

Monthly Report – July 2024

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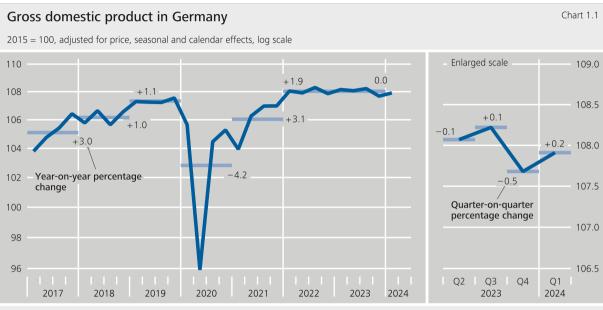
Commentary: Economic conditions

1 Gradual recovery in German economy

German economic output probably grew somewhat more slowly in the second quarter than expected. Real gross domestic product (GDP) is likely to have increased only slightly in the second quarter of 2024. Temporary hopes that industrial activity would soon pick up were distinctly dampened when data for May was published. There was a significant fall in industrial production and the signs of stabilisation in new orders sparked by April's strong order growth tailed off markedly. The industrial sector is therefore likely to have slowed economic activity in the second quarter. Higher financing costs continued to weigh on investment and thus on domestic demand for industrial goods and construction work. For this reason – as well as due to a countereffect following the mild weather in the first quarter – construction output, too, is likely to have fallen in the second quarter. By contrast, the recovery in the services sector probably continued, as indicated, for example, by survey results from the ifo Institute and S&P Global. Private consumption is likely to have buoyed demand for services. Overall, available indicators suggest that private consumption increased slightly in the second quarter.

Economic activity is likely to strengthen somewhat in the third quarter. Private consumption will probably pick up a little more momentum. This is likely to be supported, in particular, by the favourable framework conditions of strongly rising wages, subsiding inflation and a robust labour market. Furthermore, in spite of the disappointing June results, pessimism among retailers and service providers declined markedly overall in the second quarter according to the ifo Institute's Business Climate Index. This is also true for the manufacturing sector. However, the recent dip in industrial new orders suggests that the spell of weak demand has not yet been fully overcome and that industrial activity is likely to improve only slowly. As things currently stand, GDP growth in the third quarter, too, could therefore fall short of the expectations expressed in the Bundesbank's June forecast for Germany.¹⁾

¹ See Deutsche Bundesbank (2024).

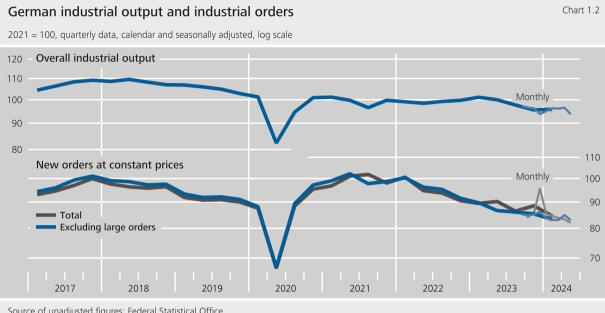


Source of unadjusted figures: Federal Statistical Office. Deutsche Bundesbank

2 Improvement in industrial activity suffers a setback

Temporary hopes of an end to the weakness in the industrial sector were not realised, as industrial output declined sharply in May. Compared with the previous month, industrial output declined sharply in seasonally adjusted terms²⁾ and fell back to the interim low of December 2023. The level of output averaged across April and May was thus also markedly lower than that of the first quarter. This decline was fairly broadly based across sectors, with two major exceptions: manufacturers of motor vehicles and motor vehicle parts, which expanded their production substantially. According to the German Association of the Automotive Industry (VDA), this is likely to have continued in June. In addition, production in energy-intensive sectors was a bright spot. Following a sharp increase at the beginning of the year, it was again slightly higher when averaged over April and May than the average for the previous quarter. Even so, the level of production in energy-intensive industries remained significantly below the levels seen before Russia launched its war of aggression against Ukraine.

² Seasonal adjustment here and in the remainder of this text also includes adjustment for calendar variations, provided they can be verified and quantified.



Source of unadjusted figures: Federal Statistical Office. Deutsche Bundesbank

Signs of stabilisation in industrial demand that emerged in April have weakened, but are still in place. New orders in Germany's industrial sector declined markedly in May compared with the previous month. Averaged over April and May, they were significantly below the average of the first quarter. Core – i.e. excluding volatile large orders – industrial new orders lost hold of the strong growth they had seen in April. While significantly more orders from the euro area were the main reason for the strong increase in April, the fall-off in May was attributable to considerably fewer orders from non-euro-area countries. Thanks to a strong April, industrial new orders excluding large orders still rose moderately when averaged over April and May compared with the previous quarter. Thus, while the signs of a stabilisation in demand have weakened, they are still in place. Survey data paint a similar picture. Despite a dampening of business sentiment in June, overall pessimism declined markedly in the second quarter compared with the previous quarter. This applies, in particular, to business expectations as surveyed by the ifo Institute, but also to ifo data on production plans and export expectations.

3 Service providers likely to have buoyed economic output

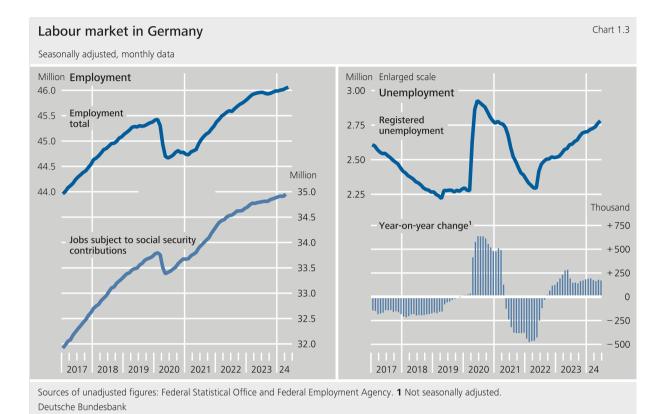
The upturn in the services sector is likely to have continued and was probably increasingly buoyed by private consumption. While production data for the services sector (excluding trade) are currently only available up to March, they are indicative of favourable starting conditions for the second guarter.³⁾ Furthermore, the sentiment indicators now available for the entire second guarter suggest that service providers continued to ramp up their activity. According to surveys conducted by the ifo Institute, service providers were markedly more satisfied with their business situation than previously. In addition, the corresponding S&P Global Purchasing Managers' Index was consistently above the expansion threshold. Private consumption is likely to have buoyed the expansion of activity by service providers. Real sales in the accommodation and food services sector, which are thus far only available up to April, still point to rather hesitant consumer behaviour in this sector. However, price and seasonally adjusted retail sales in April were significantly higher than the average of the previous guarter. The data on private vehicle registrations already available for the entire second guarter also indicate a slight increase, thanks to a sharp rise in June. According to ifo Institute surveys, retailers, but also enterprises in the accommodation and food services sector, assessed their business situation to have improved in the second guarter compared to the previous three-month period. This could signal that consumers' precautionary motives are gradually becoming less important and that they were already expanding their consumption expenditure somewhat, given rising real incomes and a robust labour market. This is also indicated by the GfK consumer climate index, which recovered in the second guarter. It shows, for the guarter as a whole, that the economic outlook and, in particular, income expectations improved. However, the propensity to save declined only slightly, and the propensity to purchase also increased only a little.

³ Even if services production in the second quarter remained constant at the level seen at the end of the first quarter, there would again have been a quarter-on-quarter increase, as its level at the end of the first quarter exceeded the quarterly average. Production in the services sector thus started the second quarter with a statistical carry-over effect.

4 Labour market resilient, but not gaining any ground

The weak economy, combined with strong immigration, currently means that both employment and unemployment in Germany are rising slightly. On the one hand, the weak economic stimulus has not yet been sufficient to keep employment in the manufacturing and construction sectors – or in temporary agency work – constant. On the other hand, employment continues to rise in most services sectors. In particular, areas of basic public services such as healthcare and long-term care, education, energy and water supply, and also the public sector, recruited noticeably more staff. Across all sectors, the number of persons in employment increased by 20,000 in May in seasonally adjusted terms. Employment subject to social security contributions also rose by this amount averaged over March and April.⁴⁾ On the other hand, the proportion of employees subject to social security contributions who are on short-time work increased further. In April, 0.7 % of them received short-time working benefits, the vast majority of whom were in the manufacturing sector.

⁴ These are the most recent data available. March (-4,000 people) and April (+44,000 people) should be considered together because of the Easter holidays falling early this year, as the spring rebound in 2024 probably only started after the Easter holidays at the beginning of April.



Leading indicators of employment suggest that current developments will continue over the next few months. The ifo Institute's employment barometer remains negative for manufacturing and construction, but has recently stabilised. The employment barometer of the Institute for Employment Research (IAB) for the economy as a whole continues to indicate a slight increase in employment. However, the number of job vacancies reported to the Federal Employment Agency is down significantly. In particular, the reporting of new vacancies is low.

Unemployment in June rose almost as much as in May. In seasonally adjusted terms, 2.78 million persons were registered as unemployed, which was 18,000 more than in May. The unemployment rate went up slightly to 6.0%. Most recently, unemployment covered by the statutory unemployment insurance scheme, which is sensitive to cyclical conditions, rose in particular. Compared with the previous year, unemployment was up by 172,000 people. However, total underemployment, which also includes persons engaged in labour market policy measures, rose less sharply as the number of persons receiving assistance fell. The IAB's unemployment barometer recovered somewhat after the significant decline in May, but remains below the neutral threshold. This suggests a somewhat slower rise in unemployment over the next few months.

5 Energy commodity prices slightly higher of late

Energy commodity prices have risen slightly of late. Crude oil prices, in particular, have picked up somewhat in recent weeks. As this report went to press, a barrel of Brent crude oil cost US\$88, just over 6 % more than in May. This is likely to have been mainly due to new production cutbacks by some OPEC countries and their partners, as well as renewed tensions at times in the Middle East. European wholesale natural gas prices also increased marginally. Concerns about Russian gas supplies to Europe and strong Asian demand for liquefied natural gas propped up prices.

6 Inflation rate somewhat lower again in June

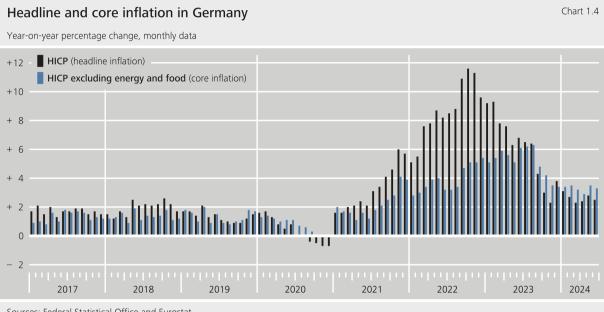
At the upstream stages of the economy, the positive price trend for non-energy products continued. For energy, there was a decline in both producer prices in June and import prices in May, the last months for which the respective data are available. However, for non-energy products sold domestically, producer prices recently rose at a similar rate to previous months. This increase was again somewhat sharper than in the preceding month. By contrast, price dynamics for imports excluding energy declined somewhat. Overall, industrial producer prices were just shy of 2 % below their previous year's level, and import prices were barely below their level of the previous year.

The inflation rate was somewhat lower again in June. The Harmonised Index of Consumer Prices (HICP) rose by only 0.1 % on the month in seasonally adjusted terms, after 0.2 % in May. Lower consumer prices for energy once again had a dampening effect. By contrast, food prices, especially for unprocessed foods, rose significantly. Prices for non-energy industrial goods also edged up slightly once again. By contrast, price dynamics for services declined markedly. ⁵⁾ Looking at the year-on-year figure, headline inflation fell considerably, from 2.8 % in May to 2.5 % in June. ⁶⁾ The core rate (HICP excluding energy and food) decreased a little less sharply, from 3.5 % to 3.3 %. It thus remains well above the headline rate.

The inflation rate is likely to fluctuate over the coming months, but is unlikely to show any further downward tendencies. This is partly due to the high volatility in oil prices last year, the impact of which is now leading to a base effect in consumer prices. Services inflation is likely to come down only slowly over the next few months, given the continued strong wage growth.

⁵ By contrast, prices for accommodation services rose extremely sharply in June, probably due to Germany hosting the men's European Football Championship.

⁶ Annual inflation according to the national consumer price index (CPI) fell from 2.4% to 2.2%.



Sources: Federal Statistical Office and Eurostat. Deutsche Bundesbank

List of references

Deutsche Bundesbank (2024), <u>Forecast for Germany: German economy slowly</u> regaining its footing – outlook up to 2026, Monthly Report, June 2024.

The global disinflation process and its costs

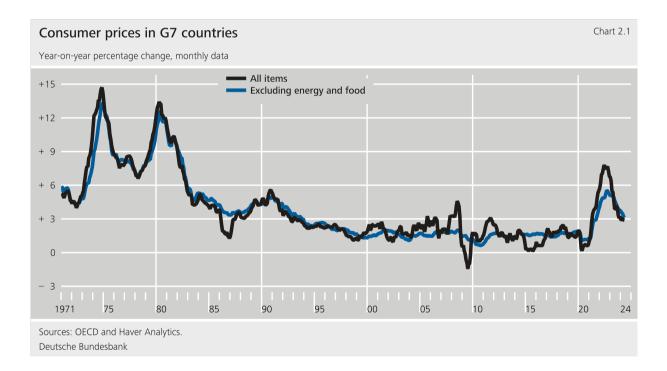
Following the exceptionally strong rise in consumer prices in recent years, the global economy appears to be heading towards a "soft landing". Inflation is on the decline worldwide. While double-digit inflation rates were not uncommon in 2022, price stability targets have recently come back within reach in many places. Against this backdrop, a number of central banks have already started lowering their key interest rates again. At the same time, economic activity is broadly robust despite monetary policy remaining tight. It has even strengthened somewhat this year.

Compared with previous episodes of disinflation, this has allowed inflation to be curbed fairly quickly and painlessly. This is partly the result of monetary policy tightening. Estimates and simulations for the euro area suggest that the rise in interest rates has caused inflation to slow down markedly. That said, other factors have also made significant contributions to disinflation. Falling commodity prices and subsiding supplyside disruptions have supported economic activity at the same time. However, severe economic slumps have largely been avoided for other reasons, too. Savings and orders that were accumulated during the coronavirus pandemic, loose fiscal policy, and industrial policy initiatives have boosted demand for goods, services and labour in many places.

However, some of these economically favourable factors are making it difficult to achieve inflation targets. Labour markets continue to be tight, wage growth remains brisk and inflation is still strong, especially in the services sector. Inflationary risks predominate on the supply side, too. This suggests that monetary policy should be data-dependent, in line with the ECB Governing Council's communication.

1 The background to the recent surge in inflation

The current global disinflation process follows the sharp rise in inflation rates observed from the beginning of 2021. As the coronavirus pandemic subsided and, later, in the wake of Russia's war of aggression against Ukraine, inflation picked up sharply in many places. In the group of advanced economies, the annual rate of change in the consumer price index (CPI) had risen to 8.6 % by October 2022. Two years earlier, it had stood at just 0.7 %. In some major economies, inflation rates even peaked in double-digits during the course of 2022. The last time that similarly high rates had been recorded was back in the 1980s (see Chart 2.1). Consumer price inflation increased significantly in emerging market economies, too.



The remarkable rise in inflation rates worldwide was initially driven by the unexpectedly rapid recovery in global demand for goods.¹⁾ In order to halt the

¹ See Deutsche Bundesbank (2021a) for an analysis of global economic developments during the coronavirus pandemic.

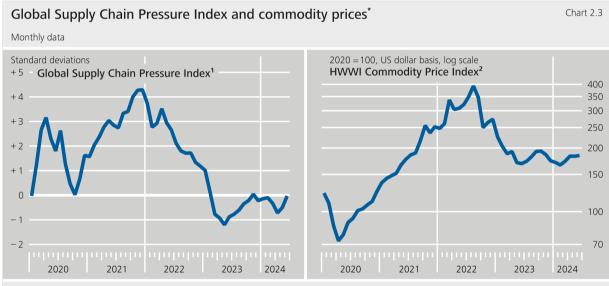
downturn in the global economy following the outbreak of the coronavirus pandemic and to avoid a protracted period of economic weakness, policymakers around the world took extensive monetary and fiscal support measures. Many of these support measures were aimed at bolstering aggregate demand. For instance, some countries, including the United States, significantly increased unemployment benefits or offset their citizens' income losses through one-off payments. Other countries, particularly in Europe, introduced or expanded labour market policies such as short-time work to safeguard jobs and income.²⁾ At the same time, consumption of contact-intensive services (such as visits to restaurants or hairdressers) was severely restricted due to public health measures taken to contain the spread of the pandemic. Instead, households increasingly purchased goods. As a result of this shift in demand, global industrial production rose considerably and global trade experienced a rapid and strong recovery (see Chart 2.2).



The shift in demand towards goods exacerbated pandemic-related supply and production bottlenecks and led to price increases at various levels of the value chain. Many enterprises were unable to quickly adjust their production to rapidly rising demand. In addition, interruptions to production caused by the pandemic exacerbated supply bottlenecks. Cross-border supply chains proved to be especially vulnerable. This was due not least to China, whose strict zero-COVID policy led to repeated closures of

2 See International Monetary Fund (2021) for a summary of key fiscal measures in selected economies.

businesses and ports. ³⁾ Bottlenecks in shipping also contributed significantly to a shortage of key industrial intermediate inputs. At times, some regions of the world lacked containers to transport goods, while, elsewhere, ships were queuing up at ports. One reason for this was the heterogeneous economic developments across regions due to local waves of infection and differing policy responses. All of this was accompanied by supply disruptions, sharply rising commodity prices, higher transport costs and mounting producer prices. Indicators of supply chain disruptions, such as the Global Supply Chain Pressure Index compiled by the Federal Reserve Bank of New York, reached new highs (see Chart 2.3, left-hand side). In this environment of sharply rising production costs and high demand, enterprises in the manufacturing sector, in particular, were also able to significantly increase their mark-ups.⁴⁾ Overall, consumer price inflation increased considerably.



Sources: Federal Reserve Bank of New York, Haver Analytics and HWWI. **1** The Global Supply Chain Pressure Index (GSCPI) is a normalised index with an average value of zero. Positive (negative) values indicate above average (below average) strained supply chains. **2** Aggregate index that covers both energy and non-energy commodities. Deutsche Bundesbank

The rise in commodity prices as a result of Russia's war of aggression against Ukraine intensified the already high global price pressures further. Numerous commodity prices – especially for energy and food – rose again sharply following the outbreak of war (see Chart 2.3, right-hand side). This was attributable primarily to the high degree of uncertainty surrounding future energy supplies from Russia and the

³ For a discussion of the impact of Chinese supply chain shocks on economic activity, see Deutsche Bundesbank (2021b, 2024a) and European Central Bank (2023a).

⁴ See European Commission (2023) and OECD (2023).

limited availability of alternative suppliers, at least in the short term. While Russian gas deliveries to Europe were gradually cut, EU Member States tried to meet their ongoing needs by making purchases from other countries and increasing their gas storage levels. As a result, gas prices rose sharply in 2022, especially in Europe, but also in other regions.⁵⁾

Finally, the recovery in demand for services contributed to inflation. Once pandemicrelated restrictions were lifted, the previously highly elevated demand for goods gradually abated again. There was now a marked amount of pent-up demand, particularly with respect to service consumption, which had been heavily affected by measures taken to contain the pandemic. Service prices rose significantly, causing the increase in consumer prices to become even more broadly based.

At the same time, labour market conditions, which had already been tight in many places before the crisis, intensified and wage growth increased. Greater demand for labour was faced with a labour supply that was, to some extent, subdued as a result of the pandemic.⁶⁾ The number of job vacancies rose sharply in many places. In the United States during the winter of 2022, for instance, there were two job vacancies for every unemployed person. This strengthened the bargaining power of workers who had suffered sizeable real income losses due to unexpectedly strong inflation. Accordingly, wage growth picked up to a considerable degree.

5 For more information on the driving forces behind European gas prices, see Deutsche Bundesbank (2023a).

⁶ See Doornik et al. (2023).

2 Monetary policy response and past experiences of disinflation

At the beginning of the recent period of high inflation, central banks faced the challenge of reliably identifying the drivers of inflation in a timely manner. Some economists cited supply shortages caused by the pandemic and, later, Russia's war of aggression against Ukraine as the main reason for the sharp rise in consumer prices.⁷⁾ Others highlighted the role of the extensive monetary and fiscal policy support measures that stimulated demand.⁸⁾ In retrospect, an econometric analysis for the United States and the euro area suggests that both supply-side and demand-side factors were important.⁹⁾ In the United States, however, demand played a much greater role.¹⁰⁾ In the euro area, by contrast, a larger contribution was attributed to supply-side influences (see Chart 2.4).¹¹⁾

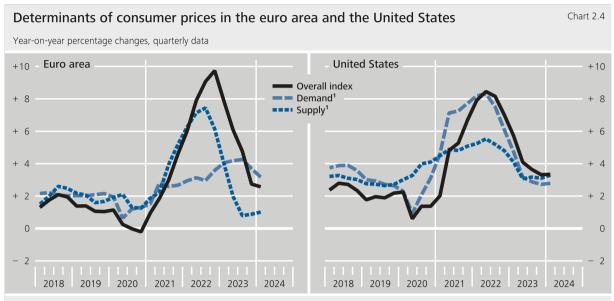
⁷ See, for example, Stiglitz and Regmi (2023).

⁸ See Summers (2021) and Furman (2022).

⁹ For a detailed description of the estimation approach, see Eickmeier and Hofmann (2022). Aggregate factors are estimated using a principle component analysis and are decomposed into supply and demand through sign restrictions on the factor loadings of inflation and real economic activity. The estimation for the United States covers 202 variables in the period from the first quarter of 1970 to the first quarter of 2024. The estimation for the euro area covers 83 variables in the period from the first quarter of 2024.

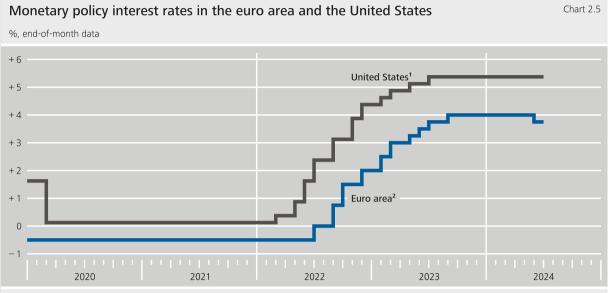
¹⁰ A recent study by Giannone and Primiceri (2024) also suggests that demand-side influences play a major role in the euro area.

¹¹ Another econometric analysis using a structural vector autoregressive model points in a similar direction. According to this, domestic factors – including strong demand – were the dominant driver of the rise in inflation in the United States. In the euro area, just over half of the rise is explained by external factors. See Deutsche Bundesbank (2022a).



Sources: Eickmeier and Hofmann (2022) and Bundesbank calculations. **1** Consumer price inflation that would have occurred if inflation had been driven only by demand-related or supply-related factors, respectively. Deutsche Bundesbank

Central banks responded to the high rates of inflation with substantial tightening measures, in some cases after initial hesitation. Up until the start of 2022, the central banks in advanced economies, in particular, largely refrained from tightening their monetary policies despite the considerable spike in inflation. One likely factor behind this was the fact that the rise in prices was, in many places, attributed to temporary supply shocks. However, demand also appeared to be broadly robust. Furthermore, the inflationary impact of supply-side shortages proved more persistent than originally thought in many cases. As the risks of deanchoring inflation expectations and of inflation spreading to labour markets increased, central banks in advanced economies responded with substantial interest rate hikes. At this point in time, inflation rates in most advanced economies were already well above their targets. The Federal Reserve System's Federal Open Market Committee raised monetary policy interest rates in the United States by no less than 5.25 percentage points over one-and-a-half years. In the euro area, the deposit facility rate rose from -0.5 % in June 2022 to 4 % in September 2023 (see Chart 2.5).



Sources: European Central Bank, Board of Governors of the Federal Reserve System and Haver Analytics. **1** Mean of the target range for the federal funds rate. **2** Deposit facility rate. Deutsche Bundesbank

Thus far, economies have proved resilient to the substantial tightening of monetary policy. Concerns about widespread recessions and a sharp rise in the unemployment rate have not materialised.¹²⁾ In fact, aggregate output in advanced economies continued to grow overall up to the end of the period under review. Most emerging market economies proved resilient, too.

At the same time, inflation rates have declined significantly since the end of 2022.

The decline in inflation seen across countries was similarly synchronous to the previous increase, albeit less steep at the end of the period under review. In the group of advanced economies, the annual rate of the CPI had fallen to 2.8 % by June 2024, according to provisional data. Compared with its peak in 2022, this represented a drop of almost 6 percentage points. The normalisation of energy prices played a key role in this regard. In the case of core components, i.e. excluding energy and food, price pressures proved more persistent. This holds especially true for some services. Although the CPI core inflation rate in advanced economies declined by 2.6 percentage points from its peak, at 3.2 % most recently, it remains markedly above levels that would be compatible with the objective of price stability over the medium term. The

¹² For example, in October 2022, the International Monetary Fund expected GDP declines in the following year in countries that collectively account for more than one-third of the global economy. Economic activity was also expected to be weak for major advanced economies and China. See International Monetary Fund (2022).

disinflation process – i.e. the reduction in inflation – is therefore not yet complete from the perspective of central banks' mandates.

Many observers now consider a soft landing – a return to price stability without any major disruptions to the real economy – to be likely. Like a number of central banks worldwide, the Eurosystem has now started lowering its monetary policy interest rates again. Nevertheless, monetary policy remains a challenge. The inflation rates targeted by monetary policymakers are still being exceeded in many places, and in some of these there has recently been a lack of progress with regard to achieving these targets. Given how comparatively robust economic developments have been thus far, the question therefore arises as to whether the tightening of monetary policy is continuing to have a dampening effect.

3 Lessons from the past

Inflationary episodes and subsequent periods of disinflation are not uncommon. In the past, too, periods of low and declining inflation were repeatedly interrupted by inflationary surges, which were also often due to the interplay between unexpected developments on the supply side and the demand side. Especially in the 1970s and 1980s, this translated into sharp rises in energy prices. ¹³⁾ In some cases, households and enterprises adjusted their inflation expectations following these developments. This is one reason why it was not always possible to curb high inflation quickly. Attempts to contain inflation over the long term by means of income policies and price controls were unsuccessful. ¹⁴⁾ Successful disinflation periods were generally linked to a tightening of monetary policy. ¹⁵⁾

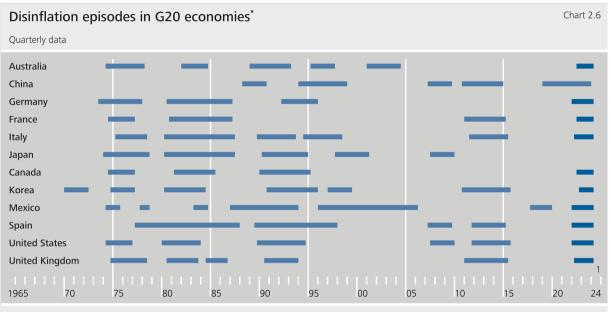
Identifying disinflation episodes using a statistical procedure allows for comparisons between countries and over time. A common dating method is based on a paper by Ball (1994). This identifies phases in which underlying inflation declined significantly. ¹⁶⁾ Amongst a large sample of 46 advanced and emerging market economies, there have been almost 230 completed episodes of disinflation since the 1960s according to this method. Among the G20 economies, there were no less than 55 episodes, three of which were in Germany (see Chart 2.6). These include the curbing of inflation following the energy price shocks of the 1970s and early 1980s. Germany also experienced disinflation after the end of the reunification boom. Global median inflation rates fell by 5 percentage points during periods of disinflation. This almost always took several years, however. It is also worth noting that, even in the past, disinflation periods often took place in many regions at the same time.

¹³ For a historical contextualisation of the rise in energy prices in 2021 and 2022, see Deutsche Bundesbank (2022b).

¹⁴ See Neely (2022) and Nelson (2022).

¹⁵ See Ari et al. (2023).

¹⁶ Underlying inflation is approximated using a centred moving average of the annualised quarterly percentage change in the seasonally adjusted consumer price index over nine quarters. If this measure falls by at least 2 percentage points between successive local highs and lows, the intervening period is considered to be an episode of disinflation. See Ball (1994).



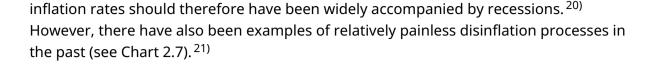
Sources: OECD and Bundesbank calculations. * Dated using the approach by Ball (1994). **1** Current episodes are ongoing. Deutsche Bundesbank

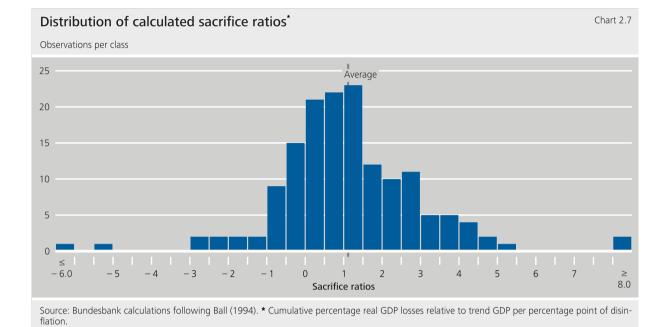
Declines in high rates of inflation have generally been accompanied by considerable drops in economic activity. In these cases, real gross domestic product (GDP) fell behind its trend. The ground lost due to such setbacks and bouts of weaker growth was often not regained quickly.¹⁷⁾ A popular measure of the economic cost of disinflation – known as the sacrifice ratio – is the ratio of GDP losses, measured as the sum of the percentage deviations of GDP from its trend, to the decline in underlying consumer price inflation. On average for the disinflation episodes under consideration, the sacrifice ratio has a value of around 1.¹⁸⁾ This means that each reduction of 1 percentage point in the inflation rate was accompanied by an average loss of GDP of 1%. In advanced economies, the sacrifice ratio has tended to be somewhat higher.¹⁹⁾ Applied to the current situation, the reduction in the (in some cases, double-digit)

¹⁷ As is customary in the literature, the calculation of disinflation costs also factors in GDP losses in the year following the end of the disinflation process. This takes into account any possible late-term effects of combating inflation. See Ball (1994). The approach, however, does not account for the possibility that the previous surge in inflation may have been the result of exaggerations with above average GDP growth rates. This could distort the trend estimate upwards. In this case, GDP losses would tend to be overstated.

¹⁸ This is consistent with estimates from the relevant literature. See, for example, Ball (1994), Katayama et al. (2019) and Cecchetti et al. (2023).

¹⁹ See also Mazumder (2014).





Both the successes in combating inflation and the associated drops in economic

activity are likely to have been, not least, the result of monetary policy tightening. Especially in recent decades, central banks have preferred to raise monetary policy interest rates in order to do so.²²⁾ Interest rate hikes affect household and corporate

Deutsche Bundesbank

²⁰ In fact, just over two-thirds of the disinflation episodes were accompanied by recessions, which were dated using the algorithm from Bry and Boschan (1971). In line with this, Cecchetti et al. (2023) found that all past disinflation episodes in the United States coincided with the recessions identified by the National Bureau of Economic Research.

²¹ Among the most popular explanations in the literature for the heterogeneity of disinflation costs are differences in the strategies, transparency and independence of central banks, in the wage negotiation process and in the openness of economies. Empirically, however, only a few indicators show a robust correlation with the sacrifice ratios. What is relatively certain is that short but significant disinflation periods incurred fairly low costs. This is often interpreted as a sign that an especially decisive and rapid fight to curb inflation can increase the credibility of the central bank. See also Ball (1994), Katayama et al. (2019) and Magkonis and Zekente (2020).

²² Previously, operational monetary policy in many places was geared towards controlling the monetary base, central bank reserves of the banking system or the exchange rate. In addition to open market operations, changes in minimum reserve requirements and foreign exchange market interventions, for example, were also used. See Bindseil (2004).

expectations, longer-term interest rates, asset prices and exchange rates via various channels and have a dampening effect on lending and aggregate demand. This dampening of demand, together with expectation effects, curbs wages, producer prices and, ultimately, consumer prices.²³⁾

Estimates show the effectiveness of monetary policy interest rate steps in the euro area and the United States.²⁴⁾ Vector autoregressive models²⁵⁾ can be used to estimate the dynamic relationships between short-term interest rates, price-adjusted and seasonally adjusted GDP as well as its key expenditure components, and consumer price inflation.²⁶⁾ In this context, the impact of monetary policy is derived based on assumptions about the timing of the transmission process.²⁷⁾ An unexpected rise of 100 basis points in the short-term interest rate in the past was estimated to dampen the euro area inflation rate at its peak by just over 1 percentage point. Euro area GDP was pushed down by almost 2% and did not start slowly catching up with the previous trend until two-and-a-half years after tightening had begun.²⁸⁾ The decline in investment, and especially housing investment, was particularly pronounced. In Germany, too, these are considered to be sensitive to interest rates (see the supplementary information on the impact of monetary policy tightening on housing investment in Germany). In the United States, the inflation-dampening and real economic effects were gualitatively similar, but less pronounced than in the euro area (see Chart 2.8). 29)

²³ See Deutsche Bundesbank (2023b), p. 39, for a schematic representation of the monetary policy transmission process.

²⁴ See Ramey (2016) for an overview of the literature and a discussion of various methodological approaches for the United States.

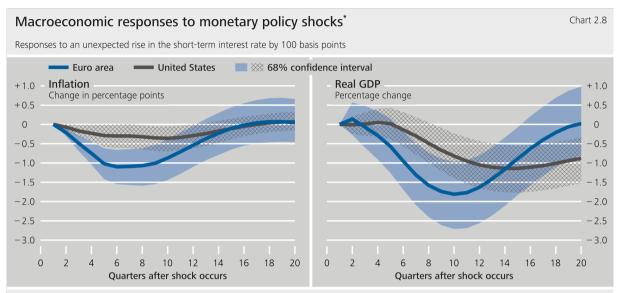
²⁵ Both models are estimated using Bayesian methods for the period from the first quarter of 1999 to the final quarter of 2023.

²⁶ In addition to GDP, private consumption, gross fixed capital formation, investment in machinery and equipment and housing investment – each seasonally and price-adjusted – are entered in the model as logarithmic levels. Also included is the annualised quarterly change in the seasonally adjusted consumer price indicator relevant for the respective monetary policy. This is the HICP for the euro area and the private consumption deflator for the United States. The interest rate used for the United States is the yield on government bonds with a residual maturity of one year, and the rate used for the euro area is a one-year interbank interest rate (EURIBOR).

²⁷ The recursive identification scheme used here assumes that GDP and its expenditure components as well as inflation respond to a monetary policy shock, i.e. an unexpected change in the short-term interest rate, with a time lag of one quarter. By contrast, monetary policy responds immediately to unexpected changes in real economic activity and inflation. See also Peersman and Smets (2003).

²⁸ These results are broadly consistent with similar estimates from the ECB, which indicate that euro area GDP declines by up to 1.25 % three years after an interest rate hike of 100 basis points. See also Lane (2023).

²⁹ The impact of monetary policy also differs across the euro area, as demonstrated by previous analyses that used a multi-country model. According to these analyses, the dampening effects of an interest rate hike on the real economy tend to be stronger in Germany than in France, Italy or Spain, for example. By contrast, there is relatively little drag on consumer price inflation in Germany. See Deutsche Bundesbank (2023b) and Mandler et al. (2022).



Source: Bundesbank calculations. * Impulse responses derived from structural BVAR models with recursive shock identification. Both models were estimated for the period between Q1 1999 and Q4 2023. Alongside short-term interest rates and the variables depicted here, data on key GDP expenditure components were also included.

Deutsche Bundesbank

On the impact of monetary policy tightening on housing investment in Germany

Price-adjusted housing investment in Germany at the end of 2023 was around 10 % below its peak in 2020. Previously, housing investment had risen steadily during the protracted upswing in the residential real estate market.^[1] The decline in investment coincided with the tightening of monetary policy in the euro area from July 2022. Housing investment is considered to be particularly interest rate-sensitive, partly because it is largely financed on credit.^[2] It is therefore not surprising that the tightening of monetary policy was an instrumental factor in the latest decline in housing investment.

A structural vector autoregressive model allows the development of housing investment to be decomposed into the contributions of its driving factors. The model incorporates the annual rates of change in housing investment, construction prices and land prices relating to residential real estate.^[3] The latter two variables can be seen as components of housing prices.^[4] In addition, the model comprises the monetary policy interest rate and the annual rates of change in real GDP and in the Harmonised Index of Consumer Prices (HICP) for the euro area.^[5]

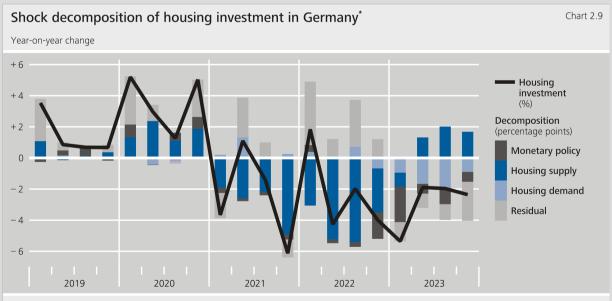
The model distinguishes between various drivers of housing investment by means of sign restrictions on the impulse responses. The focus is on housing-specific supply and demand shocks as well as monetary policy shocks. Unfavourable housing supply shocks are assumed to increase consumer, construction and land prices and dampen housing investment. Monetary policy shocks are unexpected policy interest rate changes that deviate from the usual response to macroeconomic conditions. Unexpected monetary policy tightening dampens consumer price inflation and real GDP in the euro area, as well as housing investment in Germany. However, a monetary policy shock drives construction and land prices in different directions. As with other asset prices, the price of land falls in response to a restrictive monetary policy shock.^[6] Construction prices, on the other hand, rise due to the higher cost of capital tied up in ongoing construction projects.^[7] Housing-specific demand shocks are defined as influences that push construction and land prices as well as housing investment in the same direction.^[8]

Table 2.1: Assumptions on the identification of shocks¹

Variable affected	Housing supply	Housing demand	Monetary policy
Construction prices (Germany)	+	-	+
Land prices (Germany)	+	-	-
Housing investment (Germany)	-	-	-
Shadow rate (euro area)			+
GDP (euro area)			-
HICP (euro area)	+		-

1 Assumptions on the impact of adverse supply, demand and monetary policy shocks immediately after they occur. Construction and land prices as well as housing investment refer to Germany; the remaining variables refer to the euro area. A minus sign indicates a negative impact; a plus sign indicates a positive impact. For cells with a dot, the direction of the effect is not determined beforehand.

According to the results, particularly unfavourable supply shocks have dampened housing investment since 2021. Housing investment had increased up to the end of 2020, partly owing to the favourable monetary policy stance and favourable supply conditions. The beneficial effects of housing demand shocks unfolded until 2022. The supply-side barriers that dampened housing investment from the beginning of 2021 likely relate to labour shortages, material shortages and the energy crisis.



Sources: Federal Statistical Office, Eurostat and ECB. * Contributions of identified shocks are derived from a structural VAR model with sign restrictions. The model was estimated based on data for the period between Q1 2003 and Q4 2023. Deutsche Bundesbank Restrictive monetary policy shocks diminished housing investment further from 2022 onwards, exerting their strongest negative effect as early as the 2022-23 winter half-year (October-March). In the first quarter of 2023, this effect alone meant that the annual growth rate of housing investment was down by around 2 percentage points. It appears that this effect expired towards the end of 2023. Meanwhile, demand for housing deteriorated unexpectedly in the second half of 2023.^[9] By contrast, the supply side supported housing investment from mid-2023.

According to the results, the restrictive monetary policy stance was thus swiftly and markedly transmitted to housing investment in Germany. However, the tightening effect is now likely to have peaked already.

1. See Deutsche Bundesbank (2021c).

- 2. Erceg and Levin (2006) show for the United States that investment in durable goods, such as residential property, exhibits a particularly strong and swift reaction to monetary policy shocks. Likewise, calculations based on the Bundesbank's macroeconomic model suggest that housing investment in Germany has the strongest reaction of all GDP expenditure components within the first year following an interest rate change. For more information on the Bundesbank's macroeconomic model, see Haertel et al. (2022).
- 3. The model's empirical estimation is based on the period from the first quarter of 2003 to the fourth quarter of 2023.
- 4. See Deutsche Bundesbank (2020a, 2020b). The decomposition of housing prices into construction and land prices follows the approach used by Davis and Heathcote (2007) as well as Kajuth (2021).
- 5. In the calculations, the monetary policy interest rate corresponds to an estimated shadow rate; see Geiger and Schupp (2018). The shadow rate estimates the monetary policy stance during the period from 2012 to 2022, when short-term rates were close to zero and quantitative easing measures were also being implemented.
- 6. See Davis and Heathcote (2007) as well as Kajuth (2021).
- 7. See Christiano et al. (2005) and Mishkin (2007). This assumption, like all the others, refers only to the quarter in which the shock occurs. It does not contravene the possible dampening effect of monetary policy on construction prices in subsequent periods. An alternative recursive identification strategy, which does not assume a direction of impact, also results in the interest rate hike having an immediate positive effect on construction prices. It also shows that construction prices do not begin to decline until some time after the shock.
- 8. The type of shock identification selected is one of several options. For this analysis, however, it has the advantage that the contributions of unexpected monetary policy shocks can be distinguished from the other demand-side influences on housing investment. It also allows comparisons of these contributions with those of supply shocks to housing investment developments.
- 9. The at times high contributions of the residuals reflect, for example, the estimation uncertainty regarding the extent to which the shocks impact housing investment overall.

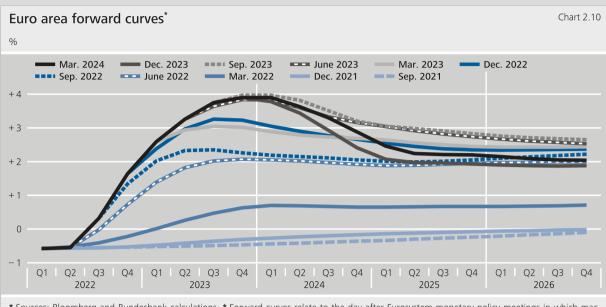
If historical experiences were applied to the most recent cycle of monetary policy tightening, substantial macroeconomic losses should have been expected in the euro area in addition to a significant decline in the rate of inflation. This is also the outcome of simulations using a variety of macroeconomic models. These simulations show that, compared with an unchanged monetary policy, the inflation rate would have been markedly and persistently contained. However, real GDP growth in 2023 alone would also have been around 4 percentage points lower than in a scenario without monetary policy tightening (see the supplementary information on the macroeconomic impact of monetary policy tightening in the euro area). The same is likely to apply to other regions of the world, where, in some cases, the monetary policy reins were tightened to an even greater extent.³⁰

³⁰ The credibility of monetary policy and its impact on inflation expectations are likely to have played a crucial role in determining the degree of tightening required. If inflation expectations were aligned with past developments, inflation processes would be more persistent and would require a stronger monetary policy response. The costs of disinflation would then be correspondingly higher. See Tetlow (2022) and International Monetary Fund (2023).

The macroeconomic impact of monetary policy tightening in the euro area

The ECB Governing Council responded to the exceptionally strong rise in inflation in the euro area with what has thus far been its most significant interest rate hiking cycle since the introduction of the euro. From July 2022 to September 2023, the ECB Governing Council raised its key interest rates by a total of 4.5 percentage points. From a monetary policy perspective, this was necessary in order to put an end to the very high dynamics of inflation, which reached double-digits for a time. Following its peak in October 2022, the rate of inflation then fell again significantly. Tighter monetary policy is likely to have played a role in this and thus paved the way for inflation to return to its target of 2% over the medium term.

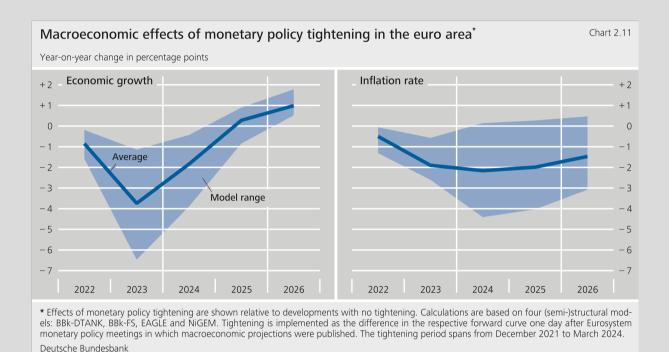
The macroeconomic impact of a change in interest rates depends crucially on the associated changes in interest rate expectations. Due to arbitrage conditions, there is a close connection between short-term key interest rates and long-term capital market rates. The latter, in turn, are an important determinant of aggregate demand and thus also price developments. An increase in key interest rates lowers the rate of inflation by dampening aggregate demand. In this context, the overall monetary policy stance is not determined by the immediate interest rate step alone. It depends largely on the impact on expected short-term interest rates, summarised by the forward curve.^[1] All else being equal, if further interest rates hikes are expected, this will shift the forward curve upwards. This expectation effect pushes up long-term interest rates, thereby amplifying the restrictive monetary policy effect of the current level of key interest rates. ^[2] Chart 2.10 depicts the evolution of various forward curves for the euro area since December 2021, when the tightening cycle began.^[3]



* Sources: Bloomberg and Bundesbank calculations. * Forward curves relate to the day after Eurosystem monetary policy meetings in which macroeconomic projections were published. The period spans from September 2021 to March 2024. Deutsche Bundesbank

In order to estimate the macroeconomic effects of monetary policy tightening, we utilise a variety of macroeconomic models. Three requirements need to be taken into account here. First, both financial market variables and macroeconomic developments are influenced by a variety of factors. The impact of monetary policy decisions must therefore be isolated from these factors.^[4] Second, when assessing monetary policy decisions, anticipation of future monetary policy measures must be taken into account. Due to these two requirements, we do not use any time series models, but instead only (semi-)structural macroeconomic models.^[5] The effects of changes in the forward curves over time are first quantified separately and then the cumulative result is reported. Finally, there is considerable uncertainty with regard to the relative strength of individual transmission channels and time lags in monetary policy. For this reason, we use a variety of models to assess the range of outcomes: three structural DSGE models (BBk-DTANK, BBk-FS and EAGLE) and a large semi-structural model (NiGEM).^[6]

According to the models, the dampening effect of monetary policy tightening on euro area economic growth reached its maximum in 2023. The strongest impact on inflation follows with a certain time lag. The tightening of monetary policy weighed considerably on economic developments (see Chart 2.11, left-hand side). Based on the model average, macroeconomic growth last year was around 4 percentage points lower than if monetary policy had remained unchanged. Thereafter, the dampening effect on economic activity is likely to gradually fade. Falling demand caused inflation to decline. The dampening effect on inflation emerges with a time lag, but is more persistent (see Chart 2.11, right-hand side). According to the model calculations, from 2022 to 2025, the cumulative decline in GDP growth amounts to around 6 percentage points and the cumulative decline in inflation amounts to around 7 percentage points.^[7]



Based on the model analyses, monetary policy tightening contributed to the decline in the high rates of inflation. However, there are substantial differences in the model outcomes in some cases. For the impact on GDP, the range of simulation results spans up to 5 percentage points. Model uncertainty is only marginally lower for the impact on inflation. These differences are related to the characteristics of the models used, which stress the different transmission channels to varying degrees. There are also differences in how they model expectation formation. In addition, it should be noted that the models have been calibrated or estimated using historical data. If transmission mechanisms have changed in recent times, this would also have an impact on the quantitative effects. In any case, the model simulations highlight the important contribution of monetary policy to reducing high rates of inflation.

Model overview

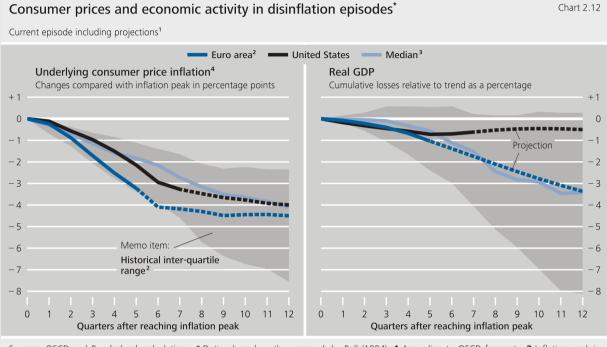
• BBk-DTANK: Based on Gerke et al. (2022), a New Keynesian DSGE model with heterogeneous agents and financial market frictions. The variant of the model used here contains estimated deviations from rational expectations. In addition, the estimation period was extended to the fourth quarter of 2019.

- BBk-FS: Based on Kühl (2018), a New Keynesian DSGE model with a detailed financial sector and financial market frictions. This model reflects the bank-based financing structure in the euro area. In the model, banks are the main financial intermediaries and pass household savings on to non-financial corporations.
- EAGLE: A large, calibrated and microfounded DSGE model (see Gomes et al. (2012) for documentation of the basic version). The EAGLE6 variant of the model used for the simulations comprises six country/regional blocks: Germany, France, Italy, Spain, the rest of the euro area and the rest of the world.
- NiGEM: Macroeconomic model of the National Institute of Economic and Social Research (see Hantzsche et al. (2018)). This is a large multi-country model that includes most OECD countries as well as major emerging market economies. International linkages are modelled through foreign trade and the interest rateexchange rate nexus.
- 1. In principle, the monetary policy stance is measured by the spread between key interest rates and the natural rate of interest. The natural interest rate is typically dependent on structural factors and is not influenced by monetary policy.
- 2. If key interest rates were tightened and the forward curve remained (more or less) constant, the monetary policy stance would be hardly affected.
- 3. In December 2021, the ECB Governing Council announced that it would normalise its monetary policy stance, initially by reducing net purchases under the asset purchase programme (APP) and the pandemic emergency purchase programme (PEPP). The first interest rate step was taken in July 2022. The reference forward curve prior to the tightening of monetary policy is from September 2021.
- 4. Only the effects of Eurosystem interest rate tightening are quantified. This factors out other restrictive monetary policy impulses such as a tightening of TLTRO III conditions or an early unwinding of the central bank balance sheet. Previous findings suggest that the latter has a rather small macroeconomic effect; see Deutsche Bundesbank (2023c).
- 5. Time series models likewise allow monetary policy to be considered in isolation. In most cases, however, they are only able to measure the effects of unexpected changes in interest rates. This would not fully reflect the monetary policy effects and would thus tend to underestimate the macroeconomic effects of tightening.
- 6. Like many structural models in the literature, the BBk-FS and EAGLE models overstate the effect of anticipated interest rate paths (the "forward guidance puzzle"; see Del Negro et al. (2023)). For the quantification, those models therefore assume that 30% of agents form their expectations based not on the forward curve, but instead on the (counterfactual) model-endogenous monetary policy rule. This approach, as well as the selection of 30%, is based on Coenen et al. (2022).
- 7. This is in line with the estimates in European Central Bank (2023b).

4 The current disinflation process: a soft landing?

The current disinflation process initially progressed at a rapid pace in the euro area and other advanced economies. Inflation rates around the world have declined considerably since the peak of the inflation surge in 2022, and price stability appears to be within reach again in many places. Compared with past experiences, initial successes in combating inflation were achieved relatively quickly. This holds particularly true for the euro area.³¹⁾ Only in a few past episodes did underlying inflation ease at a similarly rapid pace. However, the most recent episode had also been preceded by an exceptionally rapid rise in inflation. The current disinflation process began earlier in the United States, but so far has progressed somewhat more gradually than in the euro area (see Chart 2.12, left-hand side).

³¹ For this analysis, it was assumed that the disinflation process in the euro area began in the final quarter of 2022. In the three preceding quarters, the inflation rate used for dating had hardly changed.

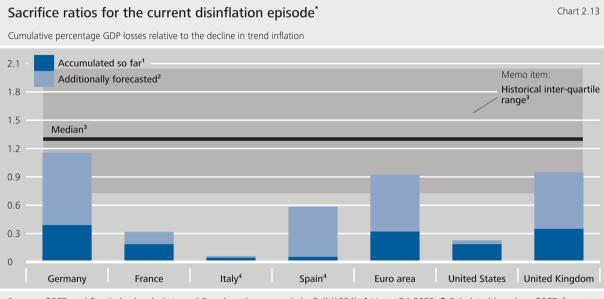


Sources: OECD and Bundesbank calculations. * Dating based on the approach by Ball (1994). **1** According to OECD forecasts. **2** Inflation peak in the euro area dated to Q3 2022. **3** Based on 229 disinflation episodes worldwide since the 1960s. **4** Approximated using a centred moving average of the annualised quarterly inflation rate over nine quarters. Deutsche Bundesbank

At the same time, drops in economic activity have so far been moderate. The remarkably rapid tightening of monetary policy after an initial lag would have led one to expect a considerable slowdown in the real economy. Indeed, economic growth in the euro area was very subdued, especially last year. Measured against the previous path of growth, there were distinct real GDP losses. However, these were no larger than in previous periods of disinflation. This is already remarkable given the above average decline in inflation. It becomes even more noteworthy when one takes into account the extraordinary additional burdens arising from the extreme increases in energy prices, the high level of uncertainty caused by the Russian war of aggression against Ukraine, and weak foreign demand. In the United States, where these factors were less significant, macroeconomic activity was only slightly below its trend (see Chart 2.12, right-hand side).

Overall, the disinflation process has been relatively painless thus far. For almost all major advanced economies, the sacrifice ratios calculated for the current disinflation episode were markedly below their historical median by the end of 2023. Admittedly, this snapshot may paint an overly favourable picture, as further GDP losses could be

incurred before price stability returns.³²⁾ This is indicated, for example, by the latest OECD forecasts.³³⁾ Yet, even if the growth outlook, which is moderate in some cases, is factored into the calculation, the sacrifice ratios remain rather low. Even for Germany, which was hit hard by the energy crisis and weak industrial activity, the ratio has remained within historical norms. Much lower values are calculated for the other major euro area members. Disinflation costs in those countries appear to be as mild as in the United States (see Chart 2.13).



Sources: OECD and Bundesbank calculations. ***** Based on the approach by Ball (1994). **1** Up to Q4 2023. **2** Calculated based on OECD forecasts. **3** For the countries depicted here. **4** Common inflation peak in Q3 2022 assumed. Deutsche Bundesbank

32 This is mainly due to the fact that, in many places, the level of real GDP remained below its previous trend up to the end of the period under review. Even during a macroeconomic recovery, further losses would therefore accumulate until the gap has been closed.

33 See OECD (2024).

5 Possible reasons for the relatively painless disinflation process thus far

Diminishing supply-side disruptions facilitated rapid disinflation and reduced macroeconomic costs. Not only did various disruptions to macroeconomic production processes contribute to the global surge in inflation in 2021 and 2022, but they also benefited the disinflation process later on as they dwindled away. Lockdowns and pandemic-related supply chain disruptions no longer posed a major obstacle to global production, at the latest when China abandoned its zero-COVID policy at the end of 2022. The shift in demand back to services also mitigated bottlenecks in the supply of intermediate inputs and on transport routes. The intertwining of supply chains was smooth once again, which boosted global production. At the same time, this curbed price pressures at upstream stages. The decline in energy commodity prices from their highs at the outbreak of the Russian war of aggression against Ukraine had a similar effect. Many non-energy commodities also dropped significantly in price. Overall, therefore, producer prices for goods in advanced economies declined for the most part over the course of last year.

The normalisation of energy and food prices also exerted a direct significant drag on consumer price inflation over the past two years. While the contribution to annual CPI inflation made by these two components together for the aggregate of advanced economies reached a notional peak of 4.2 percentage points in 2022, it was down to only 0.3 percentage point in October 2023.³⁴⁾ In the euro area, their contribution fell from 7.2 percentage points to 0 percentage point. Since then, the progress of disinflation has been largely dependent on further declines in core inflation.

Economic activity is being supported by a number of factors that are likely to make the return to price stability more difficult rather than easier. In recent years, many economies appeared to react less strongly to interest rate hikes. The macroeconomic importance of interest rate-sensitive investment declined, and financing was increasingly provided in the form of longer-term loan agreements with fixed

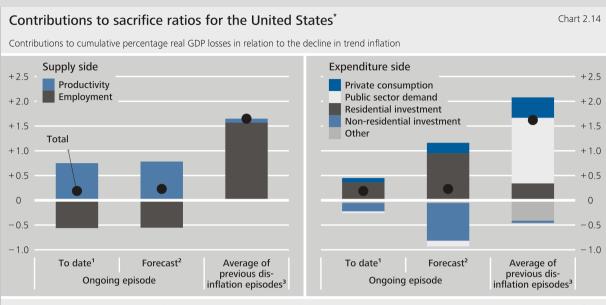
³⁴ The significant role played by energy and food price shocks in recent inflation developments both in Germany and around the world is also underscored by a model-based decomposition. This takes account of factors including the direct and indirect effects of changes in commodity prices. See Deutsche Bundesbank (2024b) and Bernanke and Blanchard (2024).

conditions. An uptick in the natural rate of interest may also have reduced the degree of monetary policy restriction. Moreover, fiscal policy remained rather expansionary, and normalisation following the COVID-19 pandemic also bolstered economic activity. Against this backdrop, a large part of the expenditure components of real GDP and, above all, employment developed much more robustly than in prior periods of disinflation in the United States and also elsewhere (see the supplementary information on the background to the mild disinflation process in the United States). However, this also entails risks to the further disinflation process.

Background to the mild disinflation process in the United States

Among the major industrial nations, the United States stands out in the current disinflation process with its particularly robust economy. Its economic upswing paused only briefly in the first half of 2022. In 2023 as a whole, US economic output grew by as much as 2.5 % in price-adjusted terms. Since then, expansion has continued at somewhat more moderate rates. Despite its exceptionally tight monetary policy, the US economy steered well clear of a recession. This was unlike almost every previous phase of disinflation since the 1970s.^[1] The sacrifice ratio, which expresses GDP losses relative to the decline in inflation, has thus far been significantly below its historical average.^[2] Many economic observers – including the OECD – are currently predicting that the return to price stability will succeed without major losses being incurred.^[3]

Decisive contributions to the soft monetary policy landing thus far have been made by robust labour markets. Statistically decomposing economic dynamics into their components can help in gaining a better understanding of the United States' remarkable economic resilience in the current disinflation process.^[4] Labour market developments stand out in particular. As in virtually all advanced economies, employment in the United States rose throughout the period under review. Employment growth was even stronger than usual under calm economic circumstances. Taken in isolation, this supported macroeconomic activity and dampened the costs of disinflation. There are no signs of a significant deterioration in labour market conditions in the near future, either. In this respect, the current disinflation process clearly distinguishes itself from historical patterns. The higher sacrifice ratios in the past were accompanied by considerably reduced labour input. Labour productivity developments, by contrast, have been somewhat more subdued since the spring of 2022 than typical during previous phases of disinflation (see Chart 2.14, left-hand side). However, this analysis does not take account of the fact that labour productivity had previously risen sharply within the context of the COVID-19 pandemic.



Sources: OECD and Bundesbank calculations. * Based on the approach by Ball (1994). **1** Q1 2022 to Q4 2023. **2** Calculated based on OECD forecasts. **3** Average across five disinflation episodes since 1974. Deutsche Bundesbank

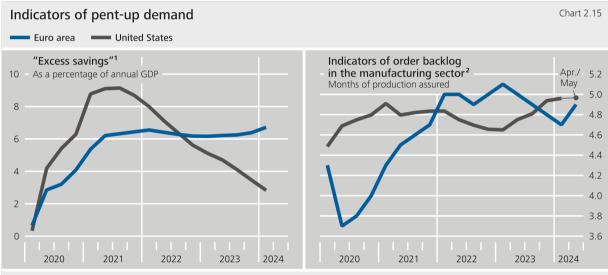
Broad-based strength of demand likewise supported the economy. Only residential investment has declined over the past two years to a similar extent as in previous disinflation phases. The exceptionally rapid tightening of monetary policy is likely to have been an important factor here. By contrast, private consumption in the United States has recently grown broadly in line with its trend, partly because households made heavy use of the savings that they had built up during the pandemic.^[5] Public sector demand continued to expand as well. Together with buoyant private consumption, this kept the sacrifice ratio low. According to current forecasts, this is unlikely to change significantly in the near future. In earlier episodes in which the United States successfully kept high inflation rates at bay, a large part of the drop in activity was attributable to private and public consumption expenditure. Private non-residential investment, by contrast, did not play a major role in the past either. Over the last two years, growth in this type of investment has even been exceptionally buoyant and, by calculation, depressed the sacrifice ratio (see Chart 2.14, right-hand side). This may also have been attributable to fiscal policy incentives.^[6]

However, the good economic and labour market situation also slowed the disinflation process. Last year, the disinflation process faltered to a more pronounced degree in the United States than in other advanced economies. Since mid-2023, the annual CPI inflation rate has barely declined. Consumer prices, particularly in the services sector, continue to rise exceptionally sharply. Against this backdrop, members of the Federal Reserve's Open Market Committee recently revised their inflation

projections for 2024 and 2025 upwards again. In line with this, they also announced that interest rates would be cut only more slowly.^[7] If persistently high consumer price inflation calls for monetary policy to remain tighter for even longer, this could also cloud the economic outlook.

- 1. Only between the end of 2011 and mid-2015 did inflation also decline markedly without having a significant impact on the economy. However, as unemployment decreased only slowly following the global financial crisis, the US Federal Reserve refrained from raising interest rates at that time.
- 2. As in the main article, the dating of disinflation phases and the calculation of sacrifice ratios are conducted following Ball (1994).
- 3. See OECD (2024).
- 4. For a similar analysis in the context of economic upturns, see Deutsche Bundesbank (2013).
- 5. In other advanced economies, the reduction of these excess savings is proceeding slowly at best. See de Soyres et al. (2023).
- 6. This applies, for example, to the Inflation Reduction Act and the CHIPS and Science Act. For a discussion of the effects on construction investment in selected sectors, see Deutsche Bundesbank (2023d).
- 7. In December 2023, the members of the Federal Reserve System's Open Market Committee still expected that inflation, as measured by the private consumption deflator, would continue to decline significantly. They projected median inflation rates of 2.4 % for the final quarter of 2024 and 2.1 % for the final quarter of 2025. By June 2024, these forecasts had been revised upwards to 2.6 % and 2.3 %, respectively. Most recently, a key interest rate of 4.1 % was considered appropriate for the end of 2025. Just six months earlier, the expectation was that interest rates would be cut to 3.6 %. See Federal Open Market Committee (2023 and 2024).

Pent-up demand from the pandemic is likely to have bolstered economic activity during the period under review. In 2020, pandemic-related production losses and supply disruptions occurred while a variety of government measures stimulated demand.³⁵⁾ This led to many households accumulating involuntary savings. Meanwhile, the order books of industrial firms filled up (see Chart 2.15). High inflation and the increase in borrowing costs as monetary policy was tightened only partially reduced pent-up demand. The remaining excess demand in advanced economies mitigated the drag from the tightening of monetary policy.

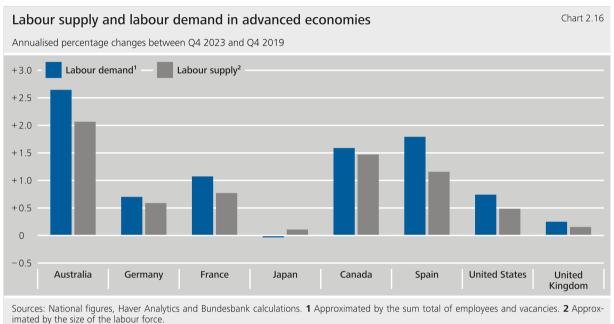


Sources: Bureau of Economic Analysis, US Census Bureau, Eurostat, European Commission, Haver Analytics and Bundesbank calculations. **1** Accumulated figures. Excess savings are the difference between actual savings and the amounts that would have been saved had saving ratios from 2019 remained constant. **2** For the euro area, according to a European Commission survey; for the United States, as a ratio of current orders on hand to the average value of shipments over the previous 12 months. Deutsche Bundesbank

The unusually robust labour market development could also be partly due to experience gained from the pandemic. Since then, demand for labour in the major advanced economies has risen sharply. This was reflected not only in continued employment growth, but also in the number of vacancies surging on a widespread basis and remaining elevated until the end of the reporting period. Many enterprises had experienced great difficulty in filling vacancies after pandemic-related containment measures were lifted. This experience, combined with the prospect of a labour shortage due to demographic factors, is likely to have prompted firms to hire new employees. In fact, labour supply has been failing to keep pace with labour demand on

³⁵ See Deutsche Bundesbank (2021a).

a widespread basis for several years now (see Chart 2.16).³⁶⁾ In the United States, in particular, this was due in part to the labour force participation rate remaining slightly subdued.³⁷⁾ In Europe, by contrast, the tendency to shorten working hours exacerbated labour shortages.³⁸⁾ Overall, labour markets in advanced economies remain very tight despite a certain degree of easing.



Deutsche Bundesbank

A relatively loose fiscal policy and industrial policy initiatives mitigated the drag caused by deteriorating financing conditions. According to analyses by the International Monetary Fund, half of all advanced and emerging market economies loosened their fiscal policies in 2023. Even in 2022, this figure was one-third despite inflation rates being even higher.³⁹⁾ Many of these measures supported the global economy directly through higher government demand. Public funds were also increasingly spent on investment and production incentives for future technologies and key industries.⁴⁰⁾ Private investment in these sectors, which had already been rising, was further stimulated by this.

³⁶ For an analysis of the background to robust labour markets, see also Doornik et al. (2023).

³⁷ For a discussion of possible causes, see Abraham and Rendell (2023).

³⁸ See Acre et al. (2023).

³⁹ See International Monetary Fund (2024a).

⁴⁰ For a discussion of such measures to promote the semiconductor industry, see Deutsche Bundesbank (2023d). In addition, there were further measures to promote green technologies in the United States, but also in Europe; see, for example, Franco-German Council of Economic Experts (2023).

Longer-term changes in the investment behaviour and financing structures of households and enterprises may have weakened or slowed down the real economic impact of interest rate hikes. For several decades now, the importance of physical investment in buildings and equipment has been on a general decline in many advanced economies. It is increasingly being replaced by investment in information and communication technologies and intellectual property products.⁴¹⁾ Intangible assets of this nature are eligible as collateral for credit operations only to a limited extent and are characterised by rapid amortisation. They should therefore be less sensitive to interest rate changes.⁴²⁾ The real economy may therefore have been less affected by the sharp monetary policy tightening of recent years than historical relationships would suggest. The tendency to take on longer-term debt at fixed conditions increases transmission lags. Many households, but also enterprises, were thus able to lock in the favourable financing conditions from the low interest rate period following the global financial crisis for years.⁴³⁾ As a result, the rise in interest rates is only gradually becoming apparent as a cost factor as existing liabilities are rolled over and new borrowing occurs. This is likely to have markedly slowed the drag on both investment and private consumption.⁴⁴⁾

Ultimately, the monetary policy stance may have been less restrictive than assumed by many. The impact of monetary policy is determined by more than just the level of market interest rates that it affects. Another important aspect is where these rates stand relative to their equilibrium value, which is associated with price stability and normal aggregate capacity utilisation.⁴⁵⁾ There are indications for a number of advanced economies that this natural interest rate may have risen since the pandemic.⁴⁶⁾ This also applies to the euro area.⁴⁷⁾ Such an increase in equilibrium interest rates could have lessened the tightening impulse from higher policy rates. However, these assessments are subject to a high degree of uncertainty. Additionally, from a longer-term perspective, estimated equilibrium rates remain extraordinarily low.

- 45 See Deutsche Bundesbank (2017).
- 46 See Benigno et al. (2024).
- 47 See Brand et al. (2024).

⁴¹ The trend towards digitalisation reflected here, amongst other things, is an important driver of aggregate productivity gains. For more information, see Deutsche Bundesbank (2023e).

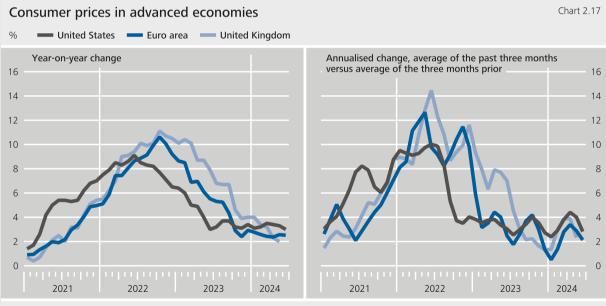
⁴² For empirical analyses that confirm this hypothesis, see, for example, Caggese and Pérez-Orive (2022), Döttling and Ratnovski (2023) and David and Gourio (2024).

⁴³ See Ampudia et al. (2023).

⁴⁴ For an analysis of the implications for the housing market and private consumption, see International Monetary Fund (2024b).

6 Implications for the "last mile" of disinflation

Since the start of 2024, there have been at most minor successes in the fight against inflation in some places. The analyses presented suggest that the falling inflation rates in the current disinflation process were not just the result of monetary policy. Diminishing supply-side disruptions also played an important role. Other factors slowed and obscured the transmission of the rise in interest rates to the real economy. Owing to this combination of factors, recessions were avoided in most countries. The robust economy is reducing the pressure on firms and workers to show restraint in terms of pricing and wage demands. As a result, consumer price inflation in some cases even intensified again in seasonally adjusted terms at the quarterly and monthly level at the start of 2024 (see Chart 2.17).

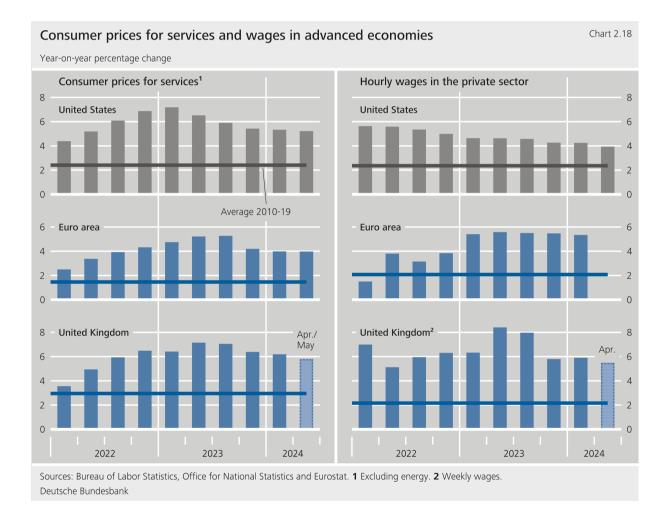


Sources: Bureau of Labor Statistics, European Central Bank, Office for National Statistics, Haver Analytics and Bundesbank calculations. Deutsche Bundesbank

In particular, the inflation of services prices is proving extraordinarily persistent.

Consumer price inflation for services in June 2024 remained at just over 4 % in the euro area and even exceeded 5 % in the United States. In other countries, too, disinflation in

the services sector is slower than has been typical in the past.⁴⁸⁾ A key factor in this is likely to be the persistently strong wage growth, which is particularly significant in the labour-intensive services sector (see Chart 2.18). In addition, productivity growth is exceptionally subdued, especially in the euro area. The high wage growth is therefore being transmitted almost entirely to unit labour costs. In view of the labour markets remaining very tight and the real wage losses that have been incurred, wage dynamics are expected to ease off only slowly. This is likely to make it more difficult to achieve a swift return to price stability.



A stronger economic recovery could delay a further decline in inflation rates. According to surveys of purchasing managers, business conditions have improved

48 This is confirmed by analyses by the Bank for International Settlements; see Amatyakul et al. (2024).

markedly worldwide since the start of 2024. In advanced economies, this was concentrated in the services sector and seems to be driven largely by growing demand. Accordingly, producer price inflation remained high in the services sector.⁴⁹⁾

Relief provided by the supply side appears to have largely petered out. Indicators of supply chain disruptions, such as the Global Supply Chain Pressure Index compiled by the Federal Reserve Bank of New York, reached their lows in mid-2023. The same happened to many commodity prices. Since then, they have tended to start edging upwards again. They are therefore unlikely to make any significant contribution to further disinflation. Instead, geopolitical conflicts pose significant supply-side upside risks to consumer prices. This applies first and foremost to the tense situation in the Middle East.

Potential further interest rate cuts should therefore be carefully considered in light of incoming data. At its June 2024 monetary policy meeting, the ECB Governing Council decided to lower the three Eurosystem key interest rates by 25 basis points each given the successes made in the fight against inflation. The central banks of other major advanced and emerging market economies had already begun cutting interest rates at that time. In the United States, too, members of the Federal Open Market Committee are signalling an interest rate reversal. However, the still too strong inflation, uncertainty about the actual degree of monetary policy restriction and various upside risks call for a data-dependent approach. This is in line with the ECB Governing Council' s communication following its monetary policy meeting in early June.⁵⁰

⁴⁹ See Deutsche Bundesbank (2024c).

⁵⁰ See European Central Bank (2024).

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Developments in loans to enterprises in Germany since the start of the monetary policy tightening cycle Over the past few years, growth in loans granted by German banks to domestic nonfinancial corporations has been characterised by unusually strong ups and downs. Although monetary policy responded to the inflationary surge that began in 2021 with substantial tightening, loan growth initially accelerated further to just under 14% by October 2022. From the fourth quarter of 2022, however, net lending declined sharply; most recently, credit growth was close to zero. This development was reflected across all categories of banks, maturities and economic sectors.

This article presents model-based analyses to establish whether such developments in lending were out of the ordinary when viewed alongside economic and interest rate developments, and examines the role played by loan supply and loan demand factors.

It is apparent that the government support loans granted to selected energy suppliers in 2022 were a key factor in the initially observed increase in loan growth. In addition, the sharp rise in input and storage costs in 2022 increased the need for short-term financing across the corporate sector.

The downturn in net lending began at the end of that year. Bundesbank models suggest that the decline in loan growth and the current stagnation are mainly attributable to the adverse macro environment, which was characterised in particular by a slowdown in economic activity, high inflation rates and rising interest rates. Banks responded to the rapid, steep rise in financial market interest rates by raising lending rates accordingly. Additionally, they tightened their lending policies in view of the increased credit risk on the corporate side. However, in our models, there is no sign of a conspicuous restriction of credit supply based on purely bank-related factors. This result is consistent with the continued stability of the German banking system.

The adverse macro environment and heightened uncertainty about the economic and geopolitical outlook, for their part, dampened private investment. This reduced the financing needs of non-financial corporations for equipment and buildings. Moreover, many enterprises already had sufficient internal financing at their disposal, not least as a result of high profits in recent years. Although the decline in loan demand caused by these factors was relatively strong, it was largely in line with historical patterns overall.

The Bundesbank's current forecast for loans to non-financial corporations anticipates a gradual recovery over the course of 2024. The German economy, which is slowly regaining momentum according to the Bundesbank's June Forecast for Germany, plus the gradual reversal of interest rate hikes by monetary policymakers currently anticipated in the financial markets, should bolster loan growth. Major bank-side restrictions on lending are not expected at present. However, the projected credit

growth rate is rising only slowly, as enterprises tend to use their remaining internal funds first during an economic upturn. In addition, the initially still difficult investment environment is dampening loan demand.

1 Stocktake

The strong and rapid rise in euro area inflation, which began in 2021, required a decisive monetary policy response. The euro area has been hit by various supply and demand shocks in recent years. Increased demand for goods, also bolstered by extensive economic policy measures, coincided with pandemic-related production and supply bottlenecks. This drove commodity prices, transport costs, and producer and consumer prices up sharply. The further rise in commodity prices brought about by the Russian war of aggression against Ukraine exacerbated the already high price pressures. Finally, the normalisation of demand for services following the lifting of mobility and contact restrictions contributed to the price increase.¹⁾ Euro area inflation reached a record high of 10.6% in October 2022. In order to ensure price stability over the medium term, the ECB Governing Council decided at the end of 2021 to move away from the low interest rate environment of previous years and tighten monetary policy. It ended its purchase programmes and raised key interest rates by a total of 450 basis points in rapid steps between July 2022 and September 2023. Having held key interest rates steady for nine months following this period, the Governing Council lowered them by 25 basis points in June 2024. At the same time, it stressed the data dependence of its future monetary policy path.

Weaker economic activity and higher interest rates weighed increasingly on net lending²) in Germany. The dampening of loan dynamics was intentional on the part of monetary policymakers.³) A significant degree of monetary policy impulses are typically transmitted via the banking system. Banks' own increased financing costs are passed through to their customers in the form of higher lending rates. As a result, loan demand on the part of non-financial corporations⁴) and households is lower. They invest less, and economic growth weakens. This leads, with a certain time lag, to a weakening of inflationary pressures.

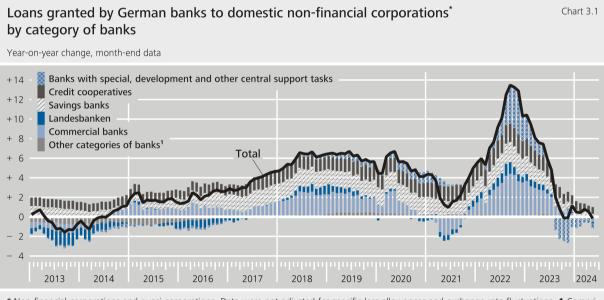
¹ See Deutsche Bundesbank (2024a).

² The term "lending" is used synonymously with "net lending" in this article.

³ For a more detailed explanation, see Deutsche Bundesbank (2023a).

⁴ The term "non-financial corporations" comprises both non-financial corporations and quasi-corporations; it is used synonymously with "enterprises" in this article.

At the start of the monetary policy tightening cycle, however, growth in corporate lending picked up significantly, declining steeply only from the end of 2022. The annual growth rate of loans issued by banks in Germany to domestic non-financial corporations accelerated significantly between 2014 and 2019, reaching 5 % at the end of 2019.⁵⁾ After a brief slowdown due to the coronavirus pandemic, loan growth picked up again, reaching its highest level since 1992, at just under 14 %, in October 2022 (see Chart 3.1). Only then was the changed macro environment reflected in loans to enterprises: their annual rate of growth declined rapidly and has been hovering around 0% since the fourth quarter of 2023. Such strong ups and downs in the rate of loan growth had only previously been observed during German reunification and the global financial crisis in 2008.



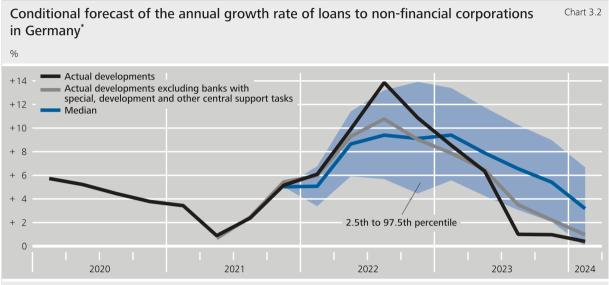
* Non-financial corporations and quasi-corporations. Data were not adjusted for specific loss allowances and exchange rate fluctuations. 1 Comprises mortgage banks and building and loan associations. Deutsche Bundesbank

5 See Deutsche Bundesbank (2020).

2 Developments in lending and macroeconomic environment

Empirical models can be used to analyse the extent to which the ups and downs of loan growth line up with economic and interest rate developments. The steep upward and downward movement of loan growth and the current weak lending dynamics raise the question of whether lending to non-financial corporations reacted more strongly to the changed macro environment than would have been expected in view of past correlations. To answer this question, actual loan growth since the start of the interest rate tightening period can be compared with hypothetical developments derived from model relationships. Chart 3.2 presents the outcome of such an exercise on the basis of a forecasting model that describes loan developments using the investment ratio, the yield spread between long-term corporate and government bonds, the lending rate and the development of credit standards set by banks. As outlined in the supplementary information on loan forecasts at the end of this article, the model is initially estimated for the period up to the end of 2021. Loan developments are subsequently forecast for the period from the beginning of 2022 to the current end using the estimated model relationships and the actual development of the macro environment.

On balance, although loan growth was relatively weak from mid-2023 onwards, it remained broadly in line with the estimated historical pattern. Chart 3.2 compares the actual growth in loans to enterprises (black line) with hypothetical developments (blue line) calculated on the basis of the forecast simulation described above since the start of the interest rate tightening cycle. The results of the forecast simulation are naturally subject to great uncertainty, and this is depicted by a forecast range. Generally speaking, actual loan developments progress largely in line with this uncertainty band. That said, the individual fluctuations in actual loan developments are more substantial than projected by the model: for instance, actual loan growth in 2022 is greater to begin with, lying slightly above the uncertainty band in the second guarter of the year. The decline in growth from autumn 2022 onwards is also steeper than forecast; in the third and fourth guarters of 2023, actual growth is below the uncertainty band. However, the ups and downs in loan growth were significantly amplified by aid loans from the KfW (Kreditanstalt für Wiederaufbau) to selected energy suppliers (see the following chapter). Adjusting the loan series for this one-off factor, actual loan growth as a whole remains within the uncertainty band (grey line).



* Simulated forecast distribution on the basis of the Bayesian vector autoregressive (VAR) model, estimation period: Q1 1991 to Q4 2021; forecast period: Q1 2022 to Q1 2024. Simulations are based on actual developments in the investment ratio, the yield spread, the lending rate and the BLS standards. Estimated levels are converted into annual rates. Deutsche Bundesbank

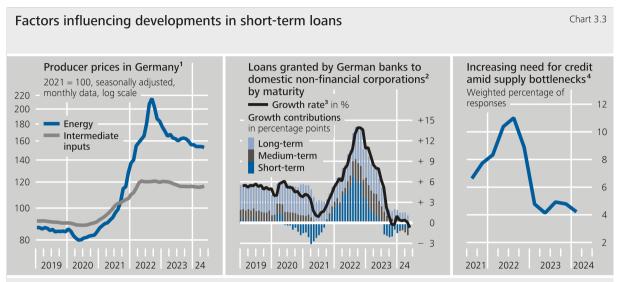
A second empirical model also reinforces the assessment that lending to enterprises has, on the whole, followed the historical pattern over the past two years. The forecasting model used above forms the basis of the Bundesbank's regularly produced loan forecasts. It focuses on forecasting quality and is therefore parsimonious. By comparison, the macro-financial Bayesian VAR model described in the second supplementary information section at the end of the article comprises a larger number of monetary, financial and real economic data. It can thus be used for analyses of a greater number of questions, including the identification of different economic shocks and their effects. In the simulation described above, this larger model produces comparable results, reinforcing the conclusion that loans to enterprises have largely developed in line with historical patterns over the past two years and that lending dynamics are not unusually weak at the current end.

3 Loan dynamics increased on the back of one-off factors up to October 2022

Sharply higher commodity prices as well as input and storage costs heightened the German corporate sector's borrowing needs. A surprisingly strong recovery in demand for goods exacerbated pandemic-related supply and production bottlenecks. As a result, commodity prices, transport and material costs rose sharply. German enterprises were hit particularly hard by these developments. In addition, the unavailability of key intermediate products and materials caused disruptions in production and sales. This led to an increase in storage costs for unfinished products. On balance, demand for short-term loans to finance inventories and working capital rose sharply.⁶⁾ An evaluation of individual firm data from the Bundesbank's representative survey of German firms (Bundesbank Online Panel Firms (BOP-F))⁷⁾ also illustrates the relationship between supply bottlenecks and lending: the share of firms that anticipate both decreased access to necessary intermediate inputs in the next year and an increase in their need for credit financing rose significantly up to mid-2022 (see Chart 3.3).

⁶ This is also in line with the data provided by banks in the Bank Lending Survey (BLS); see Chart 3.10.

⁷ For information on the structure of the BOP-F survey, see Boddin et al. (2023).



1 Producer prices of industrial products in domestic sales. 2 Non-financial corporations and quasi-corporations. 3 Year-on-year change; month-end data. Adjusted for loan sales and securitisations as well as for positions arising from notional cash pooling services provided by MFIs. 4 Bundesbank calculations based on the Bundesbank Online Panel Firms (BOP-F). Firms that anticipate both an increase in their need for credit financing as well as decreased access to intermediate inputs in the next year. Deutsche Bundesbank

Extensive government aid loans to energy suppliers were another key factor in the steep rise in loan growth in the 2022 summer half-year. Sharply higher gas and electricity prices, combined with hedging transactions and other commitments, caused considerable financial difficulties for some energy suppliers. In order to safeguard the energy supply in Germany, the KfW granted exceptionally high loans to a number of selected companies in the energy sector on behalf of the Federal Government.⁸⁾ Looking at all loans to enterprises on aggregate, this is evidenced by the steep increase in the contribution made by the category of banks "Banks with special, development and other central support tasks," to which the KfW belongs, to the annual growth rate of loans to enterprises; this category's contribution to growth rose by 4½ percentage points in 2022 (see Chart 3.1). In November 2022, it accounted for around one-third of the growth rate of all loans to enterprises.

The after-effects of the extensive fiscal policy support measures taken in the early stages of both the coronavirus pandemic and of a highly expansionary monetary policy also boosted lending in 2022.⁹⁾ The empirical macro-model described in the

⁸ These funds were mainly needed for replacement gas purchases and to fulfil short-term margin call requirements in energy trading. The loans were also used to finance gas procurement, ensuring that gas storage facilities were filled to a specific level. See Kreditanstalt für Wiederaufbau (2023).

⁹ See also Deutsche Bundesbank (2023b).

supplementary information on the macro-financial Bayesian VAR model at the end of this article decomposes the fluctuations in credit growth around a long-term equilibrium into the contributions made by economically interpretable exogenous impulses, i.e. structural shocks. The analysis attributes the acceleration of credit growth from the end of 2021 onwards to what are, from the perspective of the model, unexpectedly strong developments in macroeconomic demand (positive aggregate demand shocks) and an unusually accommodative monetary policy (expansionary monetary policy shocks) following the first few quarters of the coronavirus pandemic (Chart 3.17 in this supplementary information). Other structural economic shocks, by contrast, played no major role in loan developments. The aggregate demand shocks are, at least in part, likely to reflect the extensive pandemic-related fiscal policy support measures taken as well as, later on, the expansionary effect of pent-up demand during the pandemic. The model results suggest that the decline in credit growth from mid-2022 onwards is partly due to the gradual end of the supportive effect of the demand shocks and the tightening of monetary policy over the course of 2022.

The monetary policy tightening initiated at the end of 2021 likewise boosted demand for bank loans in the short term. In December 2021, the Governing Council of the ECB decided to discontinue net asset purchases in response to the rapid and strong rise in inflation in the euro area. This change in monetary policy led to a significant rise in capital market interest rates. By contrast, the monetary policy impulse affected banks' lending rates with a certain time lag, as was to be expected based on historical patterns. ¹⁰⁾ The fact that interest rates responded at different speeds was an incentive for enterprises with access to the capital market to increasingly finance themselves via loans rather than debt securities. In addition, loan demand was strengthened by the fact that, to secure interest rates, some enterprises took out still relatively cheap medium and long-term bank loans earlier than planned in anticipation of a rise in lending rates.

¹⁰ For more detailed information, see Deutsche Bundesbank (2023c).

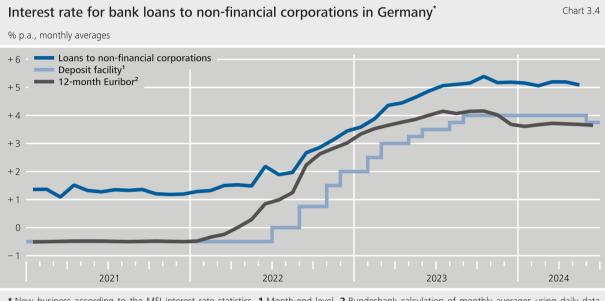
4 Subsequent phase of weakening loan dynamics

The interplay of tighter lending conditions and a decline in loan demand drove the slowdown in loan dynamics in the corporate sector observed from autumn 2022 onwards. Banks responded to the slowdown in economic activity and the turnaround in monetary policy interest rates resulting from the acceleration in inflation by gradually tightening their lending conditions. Enterprises, for their part, demanded fewer loans. However, given the sharp decline in loan growth and the relatively weak loan dynamics compared with the model forecast, the question arises as to whether this is driven more by loan supply or loan demand. A strong tightening in loan supply carries the risk that weak lending and the economic downturn could inadvertently be mutually reinforcing. Overly weak loan demand could also trigger such a macro-financial feedback loop if it is based on excessive corporate debt, and if investment that is, in fact, profitable is put on hold. This chapter explores the question based on various statistics and model results.

4.1 Higher lending rates and tighter lending conditions

Given the sharp rise in key monetary policy interest rates, it was to be expected that banks would raise their lending rates and tighten their lending conditions – and that is in line with monetary policymakers' intentions. The question is, however, whether banks' reaction was mainly due to the more adverse macro environment or whether it was notably reinforced by purely bank-related factors, such as capital or liquidity constraints. The latter could trigger major feedback effects between the financial system and developments in the real economy, which would dampen the economic slowdown further. Such a development would go beyond the usual intended effects of monetary policy and would therefore be undesirable.

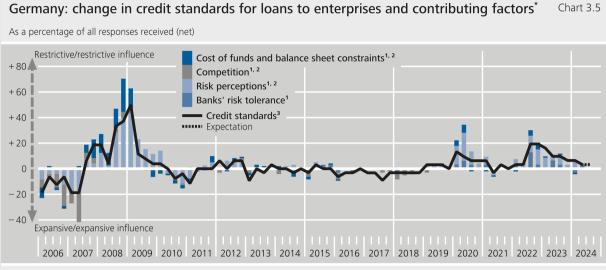
The rise of interest rates in the financial markets led banks to increase lending rates on loans to enterprises significantly – but within the expected range. After the ECB started raising its key policy rates in July 2022, interest rates in the money and capital markets continued to rise with each upward revision of rate hike expectations, with corresponding repercussions for banks' financing costs. The banks, in turn, responded by tightening lending rates (see Chart 3.4). Empirical models based on historical relationships show that changes in market interest rates are generally almost fully reflected in lending rates on loans to enterprises, albeit with a certain delay. ¹¹⁾ Although interest rates in the financial markets began to decline somewhat again in November 2023, the aggregate lending rate broadly remained at its high level until May 2024, thus continuing to have a dampening effect on lending.



* New business according to the MFI interest rate statistics. **1** Month-end level. **2** Bundesbank calculation of monthly averages using daily data provided by the European Money Markets Institute (EMMI). Deutsche Bundesbank

The data collected in the Bank Lending Survey (BLS) suggest that banks also made their lending conditions more restrictive. Since the first quarter of 2022, the banks questioned in the BLS have continuously tightened their credit standards for loans to enterprises, i.e. their internal loan approval criteria (see Chart 3.5). The intensity of the tightening has eased somewhat since the second half of 2023. While the scale of the overall tightening was considerable, it was much less pronounced than the restrictive adjustments made during the global financial crisis. In addition, banks applied stricter standards to their credit terms and conditions, for example by increasing margins or imposing more stringent collateral requirements.

¹¹ See Deutsche Bundesbank (2023c).

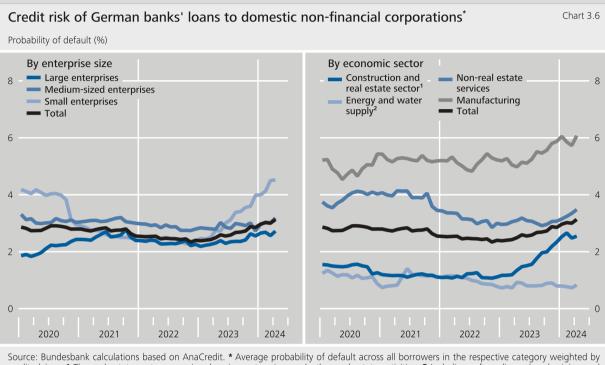


* According to the Bank Lending Survey, partly Bundesbank calculations. **1** Difference between the sum of the responses "contributed somewhat/considerably to tightening of credit standards" and the sum of the responses "contributed somewhat/considerably to easing of credit standards". **2** Mean of the individual associated factors. **3** Difference between the sum of the responses "tightened somewhat/considerably" and the sum of the responses "eased somewhat/considerably". Deutsche Bundesbank

According to BLS data, the main reason for the tightening of credit standards was the increase in credit risk on the corporate side. In particular, respondents to the survey stated that the economic situation and outlook had deteriorated, in their assessment. Furthermore, they noted that industry-specific and enterprise-specific factors and a deterioration in borrowers' creditworthiness had contributed to the tightening (see the supplementary information entitled <u>"Interaction between credit</u> risk, bank credit supply policy and loan negotiations"). In addition, the surveyed banks reported a decline in their risk tolerance. By contrast, bank-related factors affecting the cost of funds and balance sheet constraints for banks contributed only marginally to the tightening of credit standards for loans to enterprises overall, according to the surveyed bank managers.

Interaction between credit risk, bank credit supply policy and loan negotiations

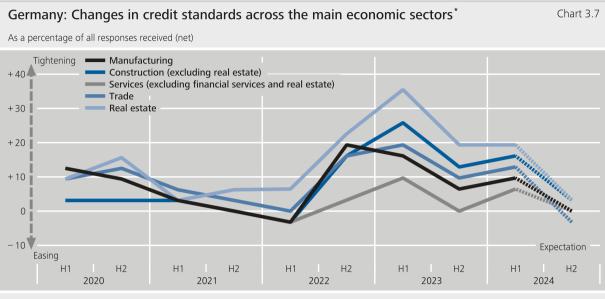
Disaggregated data illustrate that the deteriorated macro environment has led to a particularly pronounced increase in credit risk for construction firms and real estate firms as well as for smaller enterprises. Data from the analytical credit dataset (AnaCredit), the BLS and the Bundesbank's BOP-F survey suggest that, during the period of monetary policy tightening, banks adjusted their lending policy depending on the borrowers' economic sector and firm size. As regards credit risk, according to AnaCredit the average probability of default of firms in the construction and real estate sectors as well as of smaller enterprises, weighted across all credit claims in the respective segments, rose more sharply in 2023 than the probability of default of all firms (see Chart 3.6). However, compared to the average of all firms, it does not appear to be exceptionally high thus far. In the construction and real estate sectors, the increased credit risk can be explained in terms of the turnaround in the real estate market, which, in both sectors, led to an above-average deterioration in gross value added and to a rise in the number of corporate insolvencies. Small businesses are likely to be less able to circumvent the currently adverse business environment owing to the less diversified nature of their sources of income and a deterioration in access to capital markets.



Source: Bundesbank calculations based on AnaCredit. * Average probability of default across all borrowers in the respective category weighted by credit claims. **1** The real estate sector comprises housing enterprises and other real estate activities. **2** Including refuse disposal and mining and quarrying. Deutsche Bundesbank

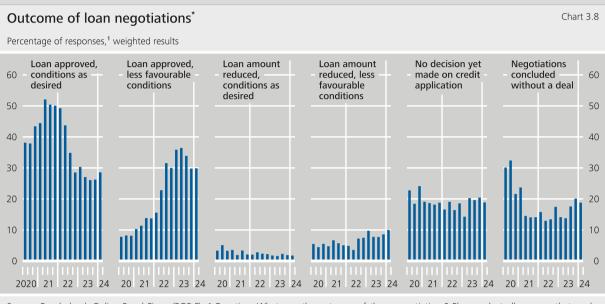
Banks reflected the elevated credit risk in part by tightening their lending policies.

Empirical models based on historical interrelationships show that, as from June 2023, banks raised their lending rates somewhat more steeply than would have been expected based on the models. This is probably because banks increased their risk premia against a backdrop of weak economic growth and an uncertain corporate outlook. In addition, the BLS banks cited industry-specific and firm-specific factors as additional reasons for tightening their credit standards. The surveyed banks reported tightening their credit standards more strongly for, in particular, construction firms and real estate firms since mid-2022 than for those in other economic sectors (see Chart 3.7). For small and medium-sized enterprises, however, the BLS banks did not report an unusually severe tightening of credit standards.



* According to the Bank Lending Survey. **1** Difference between the sum of the percentages of banks responding "tightened somewhat" and "tightened significantly" and the sum of the percentages of banks responding "eased somewhat" and "eased considerably". Deutsche Bundesbank

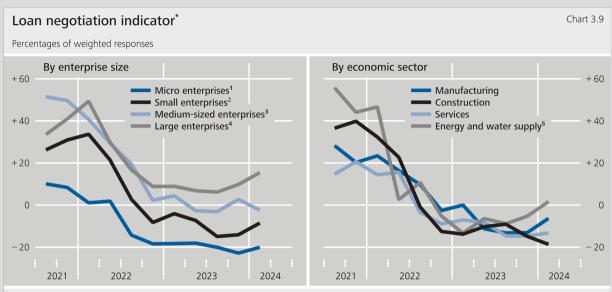
Mirroring the BLS, firms responding to the Bundesbank's BOP-F survey have reported a deterioration in loan negotiations since the beginning of the period of monetary policy tightening. For the entire corporate sector, the BOP-F survey shows that the share of firms that have received loans either at reduced amounts or at less favourable conditions, or whose loan negotiations ended without a deal, has gone up since the beginning of the period of monetary policy tightening (see Chart 3.8).^[1] For ease of comparison, it makes sense to merge the six possible responses from which firms can choose when assessing their loan negotiations into a single indicator. For each loan category, the indicator is calculated by the sum of the number of weighted responses "Loan approved, conditions as desired" multiplied by + 1, the number of weighted responses "Loan approved but for a loan amount reduced and/or less favourable conditions" multiplied by - 0.5, and the number of weighted responses "Loan negotiations concluded without a deal" multiplied by - 1.^[2]



Source: Bundesbank Online Panel Firms (BOP-F). * Question: What was the outcome of these negotiations? Please select all answers that apply. **1** Since multiple responses were possible, the percentages of responses do not necessarily add up to 100. Deutsche Bundesbank

In the BOP-F survey, construction firms^[3] assessed the results of their loan negotiations as being increasingly worse, including in comparison with other economic sectors. Whereas, according to the loan negotiation indicator, the construction sector's bargaining position was better than average at the end of 2021, it has increasingly deteriorated since then (see Chart 3.9). Most recently, the indicator value was below the average of all economic sectors.

On the other hand, data from the BOP-F survey do not suggest that the tightening of the credit supply has hit micro and small enterprises disproportionately hard. Since the beginning of the period of monetary policy tightening, the loan negotiation indicator for firms in each of the individual size classes has shown a fundamentally similar trajectory, albeit at different levels (see Chart 3.9). This suggests that, for structural reasons, loan negotiations for micro and small enterprises lead to results that are, in their view, less favourable than for medium-sized or large enterprises. During the period of monetary policy tightening, the levels of loan negotiation indicators calculated by enterprise size shifted markedly downward. On balance, however, a disproportionately strong tightening of banks' lending to micro and small enterprises cannot be inferred from the indicator.



Sources: Bundesbank Online Panel Firms (BOP-F) and Bundesbank calculations. * Calculated on the basis of the assessment of loan negotiations with banks. **1** Enterprises with up to 10 employees. **2** Enterprises with more than 10 and up to 50 employees. **3** Enterprises with more than 50 and up to 200 employees. **4** Enterprises with more than 200 employees. **5** Including refuse disposal and mining and quarrying. Deutsche Bundesbank

- 1. The share of firms that negotiated loans in the survey quarter has remained relatively stable at just under 15% since the beginning of the period of monetary policy tightening.
- 2. The weighted responses of firms whose loan negotiations had not yet been concluded at the time of the survey are entered into the indicator with a factor of zero. For the purpose of calculating the indicator value, the sum of the individual weighted responses, multiplied by the relevant factors, is reported per quarter and loan category as a percentage of the weighted number of firms that negotiated loans in the respective quarter.
- 3. Separate data on firms providing residential and other real estate services are not collected in the BOP-F survey.

Enterprises did not perceive this tightening of loan supply as exceptionally strong. In the corresponding surveys conducted by the ifo Institute and the Bundesbank (BOP-F), enterprises have noted a significant deterioration in the financing environment. However, the financing environment is not considered to be noticeably difficult when compared with previous periods and other obstacles to business activity (such as a shortage of skilled workers or insufficient demand).

The banks surveyed as part of the BLS do not regard balance sheet constraints on the part of banks as currently playing a major role in lending to enterprises, which is consistent with the overall sound health of the German banking sector. Before the start of the monetary policy tightening cycle, there was little indication that banks' balance sheet constraints played a relevant role in lending.¹²⁾ Looking at developments since the start of the tightening, there is scant evidence to date that this assessment has changed. The German banking system's liquidity situation remains favourable and the sector's CET1 ratio has continued to rise in trend terms.¹³⁾ All in all, banks' net interest income has likewise increased so far. That said, value adjustments were made on the securities held as a result of the rise in interest rates, weighing on profitability in 2022.¹⁴⁾ At the same time, only a moderate amount of credit risk has materialised so far. Although the share of non-performing loans to enterprises on German banks' books has risen since mid-2022, it remains at a very low level.¹⁵⁾ Overall, the current situation in the banking system in Germany can be seen as stable with no indications of significant restrictions in the supply of loans due to bank-related factors.

Empirical models also provide no evidence of significant restrictive loan supply shocks beyond the impact of the weakened macro environment. The last two items of supplementary information at the end of the article present two empirical macro models that allow the identification of loan supply shocks. The first approach uses the medium-sized macro model already described in <u>Chapter 2</u>, which applies monetary, financial and real economic data to identify various economic shocks relevant to lending (see the supplementary information on the macro-financial Bayesian VAR model). The second model examines lending in a smaller model framework, using the BLS banks' assessment of loan supply and loan demand to identify the shocks (see the supplementary information on the quantitative importance of loan supply and loan demand). The models thus use different information but both come to the conclusion

¹² See Deutsche Bundesbank (2022a).

¹³ See Deutsche Bundesbank (2023d).

¹⁴ These adjustments were only partly reflected in banks' profitability and capital levels. Banks absorbed a significant part of the value adjustments by reducing hidden reserves or accumulating unrealised losses so that they did not have an impact on profit or equity capital. See Deutsche Bundesbank (2023d, 2023e).

¹⁵ See Deutsche Bundesbank (2023d).

that purely bank-related factors were not a major factor in the sharp slowdown in loan growth from autumn 2022 onwards and during the subsequent period of very low growth.

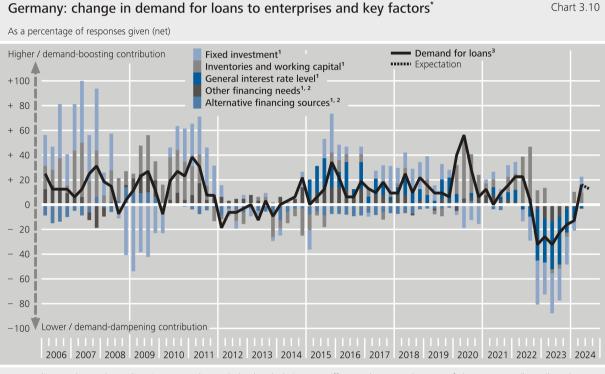
Rather, the model-based decomposition of loan growth suggests that the sharp decline in loan supply and loan demand from autumn 2022 onwards is mainly attributable to the weakened macro environment. Using observations from the BLS and other relevant variables, the model presented in the <u>supplementary information on</u> the quantitative importance of loan supply and loan demand decomposes loan growth into the impact of the macro environment and additional loan supply or loan demand effects. The model results suggest that the sharp decline in loan growth from the fourth quarter of 2022 onwards can be explained mainly by the deterioration in the macroeconomic environment (see Chart 3.18 in this supplementary information). The model also identifies consistently negative loan demand shocks from the end of 2020; their size and thus their quantitative significance for credit growth are relatively small, however.

4.2 Weakening of loan demand, mainly due to the deterioration in the macro environment

The weakness of loan demand resulted from the interplay of several factors. The fact that the model presented in the <u>supplementary information on the quantitative</u> <u>importance of loan supply and loan demand</u> points to the existence of negative loan demand shocks is consistent with the forecast simulations presented in <u>Chapter 2</u>, showing that loan dynamics were relatively weak from mid-2023 onwards. The following section describes the individual factors that have dampened enterprises' demand for loans. We will first demonstrate the importance of macroeconomic developments for the corporate sector as a whole. Second, we will examine the role of alternative financing options in the corporate sector and take a look at enterprises and their economic conditions at the disaggregated level. On the whole, it is clear that the decline in loan demand was also largely driven by the weakened macro environment.

4.2.1 Factors underlying the slowdown in demand

The BLS provides a good overview of the drivers of loan demand: the surveyed banks attribute the decline in loan demand from autumn 2022 onwards mainly to the dwindling willingness to invest and the rise in interest rates. Furthermore, there was evidence from several banks surveyed in the BLS that uncertainty about the economic outlook in Germany and geopolitics in general also dampened enterprises' demand for loans.¹⁶⁾ BLS banks believe that the weakening of loan demand in the current tightening cycle is far more pronounced than during the global financial crisis and than in 2012 and 2013, when loan dynamics cooled in the wake of the sovereign debt crisis (see Chart 3.10).



* According to the Bank Lending Survey, partly Bundesbank calculations. **1** Difference between the sum of the responses "contributed somewhat/considerably to higher demand" and the sum of the responses "contributed somewhat/considerably to lower demand". **2** Mean of the individual associated factors. **3** Difference between the sum of the responses "increased somewhat/considerably" and the sum of the responses "decreased somewhat/considerably". Deutsche Bundesbank

The declining willingness to invest should be viewed against the backdrop of the effects of the deteriorating macro environment, which are hitting the corporate sector in Germany comparatively hard.¹⁷⁾ The sharp rise in energy costs and weak foreign demand weighed on industrial output throughout the euro area, but in Germany the energy price shock hit the industry-based economy with its high dependence on imported energy commodities particularly hard. The weakness in global trade was also felt more strongly in Germany owing to firms' strong focus on exports. Heightened geopolitical tensions also exacerbated enterprises' uncertainty with regard to future energy supplies and their cost, as well as to disruptions to

16 See European Central Bank (2024).

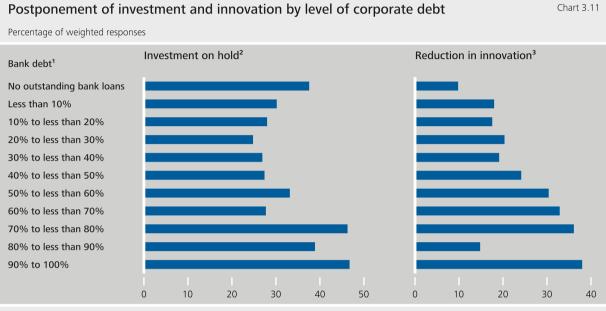
¹⁷ See Deutsche Bundesbank (2023f).

international trade links. There was also uncertainty about the challenges the green and digital transformations and demographic change pose to enterprises and policymakers.

Moreover, the strong rise in the interest rate level also led to a postponement of investment on aggregate. In December 2023, the enterprises surveyed by the ifo Institute reported that they had reduced their originally planned investments by 8.4% on average over the past one and a half years due to the higher interest rate level.¹⁸⁾ However, these adjustments were not evenly distributed across the corporate sector: rather, it emerged that 80 % of the surveyed enterprises did not adjust their investment plans at all. By contrast, enterprises that chose to adjust their investment plans typically reduced them on a larger scale. The results of the Bundesbank BOP-F survey are consistent with this. According to this survey, around 15% of the enterprises surveyed reduced their spending on innovation by 50% or more in 2022 and 2023 as a result of the ECB's interest rate hikes. In addition, the responses suggest that the effect increased the more debt an enterprise had outstanding (see Chart 3.11). More highly indebted enterprises also disproportionately chose to put their investments on hold.¹⁹⁾ This can be explained by the higher debt service and, as a consequence, the increasing relevance of interest rate changes in the event of new borrowing or interest rate adjustments.

¹⁸ See Best et al. (2024).

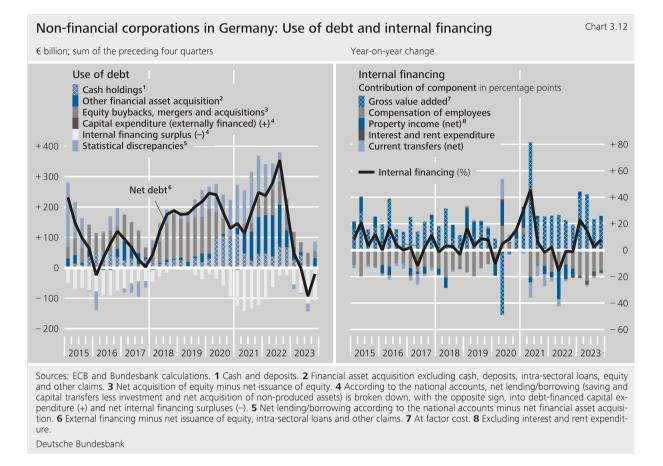
¹⁹ However, the number of more highly indebted enterprises is not high: only just over 3 % of the enterprises questioned in the BOP-F survey reported that the residual debt of all bank loans outstanding at the time of the survey amounted to 70% or more of their total assets in the fourth quarter of 2023. Just over 50% of the enterprises surveyed reported that they currently have no bank loans on their balance sheets.



Source: Bundesbank calculations based on the BOP-F survey in Q4 2023. **1** Corporate debt calculated as the ratio of remaining debt on all outstanding bank loans to total assets. **2** Answer: The firm carried out no investment in Germany in 2023. **3** Answer: The ECB's interest rate increases led to the firm reducing its actual expenditure on all innovation activities in 2022 and 2023 by 50% or more. Deutsche Bundesbank

Demand for bank loans was also weakened by the fact that firms were, on aggregate, able to resort to significant liquidity buffers as alternative financing. The non-financial corporate sector entered the tightening period with sufficient liquidity buffers, not least as a result of extensive government coronavirus aid. A significant portion of these buffers are still available at present. In addition, non-financial corporations were able to generate large profits on aggregate in 2022 and probably also in 2023. They managed to expand their profit margins in an environment of strong demand – which was in part driven by catch-up effects after the pandemic – and supply-side restrictions such as supply bottlenecks. Parts of the corporate sector generated a turnover increase that went well beyond the lagged increase in employee compensation. ²⁰⁾ In isolation, these profits strengthened the internal financing options of the enterprises concerned. Since the beginning of 2022, these have, on aggregate, been largely sufficient to finance the rather weak investment in recent years (see Chart 3.12).

²⁰ See Deutsche Bundesbank (2023g).



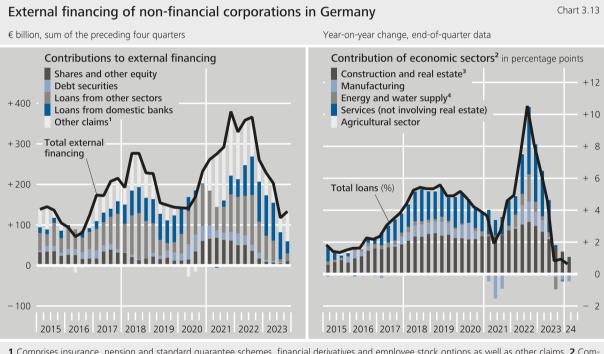
Furthermore, the repayment of short-term loans granted in large volumes during the energy crisis in 2022 also dampened lending.²¹⁾ As tensions in the energy markets subsided, the need for government support for selected energy suppliers steadily declined. A large proportion of the loans granted were repaid in a timely manner, with the last of this energy support assistance being repaid by the end of the first quarter of 2024.²²⁾ In addition, global supply chain problems have eased since mid-2022 and input and storage costs have again declined. The need for short-term funding normalised across the corporate sector as a result, leading to above-average short-term loan redemptions in 2023.

21 The net lending considered in this article reflects the balance of newly granted loans and loan redemptions.

22 See Kreditanstalt für Wiederaufbau (2024).

4.2.2 Broad-based decline in demand despite heterogeneity in the corporate sector

The identification of the deteriorated macro environment as the main driver of loan weakness fits with the broad-based decline in lending. Since the end of 2022, banks' net lending has weakened across all categories of banks, loan maturities and economic sectors (see Charts 3.1, 3.3 and 3.13). Although there were individual loan categories in which the decline was less pronounced, the general downward trend affected all categories. A similar picture emerges for enterprises' overall external financing: from the end of 2022, German enterprises not only took out fewer loans from German banks, but they also significantly reduced their borrowing via loans from other sectors as well as debt securities, shares and other equity.



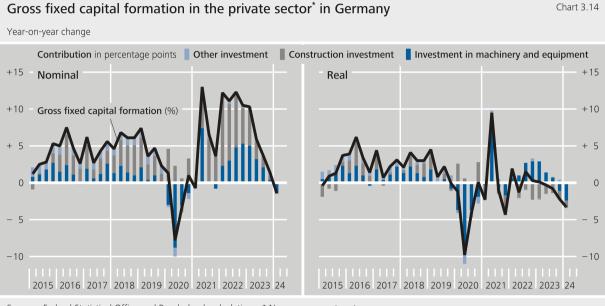
Comprises insurance, pension and standard guarantee schemes, financial derivatives and employee stock options as well as other claims.
 Comprises loans to non-financial corporations and quasi-corporations and to self-employed persons.
 The real estate sector comprises housing enterprises and other real estate activities.
 Including disposal activities, mining and quarrying.
 Deutsche Bundesbank

Although loan demand weakened broadly, a disaggregated view of loan data shows that individual economic sectors were affected in quite different ways. Loans to the manufacturing sector declined particularly sharply, especially for the manufacture of machinery and equipment and chemicals industry sectors. This is in line with the slowdown in industrial activity in Germany.

By contrast, the changed interest rate environment hit nominal demand for loans in the construction and real estate sector²³ less substantially than expected. The sharp rise in construction and funding costs triggered a cyclical turnaround in the real estate market after an upswing of many years; the annual growth rate of real private construction investment fell into negative territory in 2021 and remained there until the end of 2023. In line with this, BLS banks have observed an above-average decline in demand for loans among construction and real estate firms since mid-2022. However, the negative impact of the interest rate reversal on loan demand in the construction and real estate sector was offset by a sharp rise in construction costs. For example, the increase in material and labour costs in the construction sector was particularly strong during this period, even compared with the costs relevant to other gross fixed capital formation. This can be seen in the gap between real and nominal construction investment growth (see Chart 3.14). The sharp rise in prices kept nominal construction investment at a relatively high level until 2023, which was reflected in the nominal loan volumes demanded by the sector. As a result, the volume of loans to the construction and real estate sector fell less sharply than in other sectors of the economy.²⁴⁾

²³ In this article, the construction and real estate sector refers to the following economic sectors: construction, housing enterprises and other real estate activities.

²⁴ The slower decline in lending to the construction and real estate sector also supported developments in other loan sub-categories. For example, the lending business of savings banks and credit unions benefited from the fact that they traditionally have a strong presence in this business segment. At the same time, its business structure means that the construction and real estate sector is predominantly funded over the long term. This contributed to long-term lending declining less sharply during the period of interest rate tightening than in the shorter segments.



Sources: Federal Statistical Office and Bundesbank calculations. * Non-government sectors. Deutsche Bundesbank

Chart 3.14

5 Conclusion and outlook

Despite the interest rate reversal, loan growth accelerated in 2022 due to government aid loans to energy suppliers and other one-off factors. Although monetary policy responded to the inflationary surge with substantial tightening, lending to non-financial corporations initially continued to pick up strongly until October 2022. One key factor was the government support loans granted to selected energy suppliers in 2022 as a result of Russia's war against Ukraine. In addition, the sharp rise in input and storage costs in 2022 increased the need for short-term funding across the corporate sector. Further positive impulses came in the aftermath of fiscal and monetary policy support measures from the coronavirus pandemic.

In line with the deteriorated economic environment and the monetary policyinduced rise in interest rates, the downturn in net lending began at the end of 2022. Model-based analyses indicate that the decline in loan supply and loan demand was mainly due to the adverse macro environment and was generally consistent with historical patterns. In particular, persistently weak private investment and high funding costs were the main factors behind the weakening of loan demand. Other factors were the – on aggregate – sufficient supply of internal financing in the corporate sector and heightened uncertainty with regard to potential geopolitical conflicts and how structural problems are dealt with in Germany, which dampened firms' willingness to invest. The significant tightening of lending conditions can be explained by the rapid and strong rise in interest rates and the cyclically induced increase in credit risk on the corporate side. The German banking system remains in a stable state. Model results also provide no evidence of a significant reduction in the supply of loans beyond the impact of the adverse macro environment due to bank-related factors affecting cost of funds and bank-related balance sheet constraints.

A gradual rebound in lending is expected over the course of this year. In recent months, banks' net lending to firms has largely stagnated. New lending business, i.e. newly concluded loan agreements, excluding redemptions, recently saw slightly stronger lending. The banks surveyed in the BLS observed – for the first time since 2022 – an increase in demand for loans to enterprises in the second quarter of 2024, which they expect to continue in the third quarter. Our current forecast for loans to enterprises also expects a recovery starting from the second half of 2024; however, the projected increase in the annual growth rate is slow (see the <u>supplementary</u> information on loan forecasts). The projected gradual increase in lending is based on the assumption of a gradual improvement in the macro environment. After around two years of economic weakness, the German economy is slowly regaining momentum.²⁵⁾ The expected increase in foreign demand should stimulate the export industry. Private consumption is likely to recover. In addition, the current Forecast for Germany is based on the assumption that a gradual reversal of interest rate hikes will have a positive impact on firms' financing environment. Nevertheless, tangible growth impulses from private investment are not expected until 2026. It is therefore to be assumed that net lending will only rise again slowly. In addition, the currently elevated uncertainty amongst enterprises with regard to future underlying economic conditions and structural change is likely to persist for the time being.

Empirical analyses suggest that demand for loans will not rise immediately as the economy improves. In the past, loan growth mostly lagged behind GDP growth and investment by between two and six quarters.²⁶⁾ This lag can be explained by the role of internal financing: in the economic upturn, enterprises can initially cover their funding needs from internally generated funds. Therefore, there is often a delay before they begin to apply for loans. As German enterprises still have significant internal financing resources on aggregate, loan growth is likely to pick up only gradually, even in the economic upswing.

The robust financial situation in the German banking sector currently does not suggest that major bank-related restrictions will dampen the recovery in lending. Should the economic environment brighten up, this would also have a positive impact on future credit risk developments. Credit risks currently appear to be significant only in certain areas of commercial real estate financing. In addition, according to financial accounts data, the German corporate sector's debt situation can still be assessed as sound. A falling interest rate level would gradually improve the credit risk situation in commercial real estate in particular.

²⁵ See Deutsche Bundesbank (2024b).

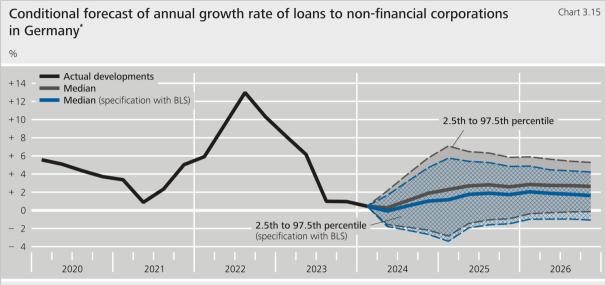
²⁶ See Deutsche Bundesbank (2015, 2011).

Loan forecasts

Forecasts of future loan developments

In order to allow a broader assessment of lending dynamics, the Bundesbank regularly conducts loan forecasts for the coming quarters. These forecasts are based on two different variants of a parsimonious Bayesian vector autoregressive (BVAR) model in levels using the approach in Giannone et al. (2015)^[1] and focusing on forecast performance. In addition to loans to non-financial corporations, the first model variant includes the investment ratio (defined as the ratio of private fixed investment to GDP), the yield spread between long-term corporate and government bonds, and the long-term interest rate on loans to enterprises. The second model variant additionally includes the cumulative BLS standards in the model.^[2] The BVAR is specified with four lags. Both the selection of the model variables and the determination of the lag structure were carried out using a forecast evaluation.

The model parameters are estimated up to the available data end, currently the first quarter of 2024. Forecasts are then conducted for the following quarters for each point in time. These are based on the Bundesbank's forecast of economic activity in Germany, which is published every June and December.^[3] All projections in this article are made using data available on 21 May 2024. Chart 3.15 shows the loan forecasts based on these data. The grey and blue paths represent the two model variants used here, with and without taking account of BLS standards. Both estimation variants suggest a slow recovery in lending dynamics from the second half of 2024 onwards. However, the projected increase in loan growth is gradual, with annual growth rates ranging from 2 % to 3 % for medium forecast horizons (in 2025). At the same time, the very broad uncertainty bands in some cases reflect the considerable uncertainty associated with the forecasts. Overall, however, they are in line with current expectations regarding the economic outlook.^[4]



* Forecast distribution on the basis of the BVAR model, estimation period: Q1 1991 to Q1 2024; forecast period: Q2 2024 to Q4 2026. The forecasts are based on the projected developments in the investment ratio, the yield spread, the lending rate and the BLS standards. Estimated levels are converted into annual rates.

Deutsche Bundesbank

Forecast of hypothetical loan developments

The forecasting model can also be used for hypothetical simulations, i.e. for simulations of loan developments derived from model relationships. <u>Chapter 2</u> of the main article compares the loan growth observed since the beginning of 2022 with hypothetical loan developments calculated on the basis of the variant of the forecasting model which also includes BLS standards. To this end, the model described above is estimated for the period from the beginning of 1991 to the end of 2021. For the period from the beginning of 2022, loan developments are then forecast based on historical relationships between the model variables and the actual development of the explanatory variables up to the current data end. The forecasts are therefore conditional on the realisations of the investment ratio, the yield spread, the lending rate and the BLS standards. In order to show the uncertainty associated with the forecast, the uncertainty band (2.5th to 97.5th percentile) is shown alongside the median.

This reveals that actual loan growth over the period under review was broadly in line with the model forecast, although there were some deviations in individual quarters. In Chart 3.2 in <u>Chapter 2</u>, the black line represents actual credit growth. The blue line shows the median distribution of the conditional forecasts.^[5] The shaded area

depicts the dispersion of the simulated forecast distribution and reflects the uncertainty associated with the forecasts. The grey line represents the loan growth rate adjusted for KfW aid loans.^[6] As these loans were very large in volume and mostly had fairly short terms, they temporarily led to the fairly large ups and downs in actual lending. As a short-term government support measure, they were exogenous in nature and thus represented a one-off effect on lending. Adjusted for this one-off effect, loan growth remained within the uncertainty band throughout the simulation period and was therefore compatible with the model relationships prevailing before 2022.

- 4. See Deutsche Bundesbank (2024b).
- 5. To better illustrate this, the forecasts of loan levels are then converted into annual growth rates.
- 6. See the supplementary information in Chapter 3.

^{1.} For a description of the approach, see Giannone et al. (2015).

^{2.} The data for the BLS credit standards are only available from the fourth quarter of 2002. In order to allow a longer estimation period from 1991 onwards, the BLS standards are extended backwards using information on firm insolvencies, see Deutsche Bundesbank (2022b).

^{3.} See Deutsche Bundesbank (2024b). For the calculation of conditional forecasts, see Bańbura et al. (2015).

Analysis of loans to non-financial corporations in Germany using a macro-financial Bayesian VAR model

Developments in loans to non-financial corporations in Germany are investigated using a vector autoregressive (VAR) model that describes the interaction of a number of real economic and financial variables. The model contains quarterly observations of ten variables: it comprises real gross domestic product (GDP) in Germany and the rest of the euro area, the Harmonised Index of Consumer Prices (HICP) in Germany and the rest of the euro area, loans to non-financial corporations in Germany, the lending rate (new business), the German contribution to M3, and the yield on German government bonds with a residual maturity of five years. In order to capture both standard and non-standard monetary policy measures, the shadow interest rate of Geiger and Schupp (2018) is used as monetary policy indicator and extended into the past or present with the interest rate on overnight loans in the interbank market (EONIA or \in STR). To control for possible spillover effects from US monetary policy, the model also contains the yields of US Treasuries with a residual maturity of five years.^[1] All variables enter the model with five lags, interest rates as decimal numbers, and the other variables in log levels.^[2]

Comparing the distribution of the conditional simulation with actual loan growth provides indications as to whether loan growth has deviated noticeably during the simulation period from the estimated relationships in the model. In addition to the actual annual growth rate of loans to enterprises, Chart 3.16 also shows selected percentiles of the probability distribution of conditional simulations of the loan growth rate, starting in the first quarter of 2022. These simulations are based on the model parameters estimated for the period from the beginning of 1999 to the end of 2021 and are conditional on actual developments in real GDP and HICP in Germany and the rest of the euro area, government bond yields and the monetary policy indicator up to the end of the first quarter of 2024.^[3]

At the end of 2023 and the beginning of 2024, loan growth does not deviate much from the simulations after having exceeded them markedly in 2022. Actual loan growth clearly exceeds the simulation from the second to the fourth quarter of 2022 and then drops to the lower end of the simulated distribution.^[4] In the last two quarters, it is close to the 25th percentile of the simulated distribution. Both the

upward and downward deviation can be partly attributed to KfW's special loans and their subsequent repayment. According to the analysis, the dynamics of loans to enterprises in Germany do not appear unusual overall conditional on the macroeconomic environment.^[5]

Identifying structural economic shocks allows the fluctuations in loan growth to be decomposed into their economically interpretable determinants. Comparing the actual loan growth rate with the conditional simulations does not allow direct conclusions to be made as to which economic determinants cause observed deviations, as the simulations are based on the reduced form of the VAR model. Fluctuations in loans to enterprises around their long-term trend are the result of structural shocks that can be interpreted economically. These are contained as linear combinations in the residuals of the VAR model and can be identified using additional assumptions. In the present analysis, identification is based on sign restrictions, i.e. on theoretically substantiated assumptions about the sign with which certain variables react to structural shocks.^[6] Five structural shocks are identified: an aggregate demand shock, an aggregate supply shock, a loan supply shock, a monetary policy shock and a money demand shock. The identification assumptions are based on those in Deutsche Bundesbank (2023b) and are summarised in Table 3.1. The analysis takes into account the fact that the Eurosystem's monetary policy responds to economic developments in the euro area as a whole and not only in Germany. In order to sufficiently capture the Eurosystem's monetary policy response function, the model includes real GDP and the HICP not only of Germany but also of the rest of the euro area.^[7] When identifying the monetary policy shock, it is assumed that, following an increase in the monetary policy interest rate, real GDP and HICP will fall not only in Germany but also in the rest of the euro area.^[8] For the other shocks, the variables for the rest of the euro area are not subject to any restrictions. Whether or not the other shocks are specific to Germany or impact the euro area as a whole thus remains undetermined by the analysis. For this analysis, the estimation period is extended until the first quarter of 2024.

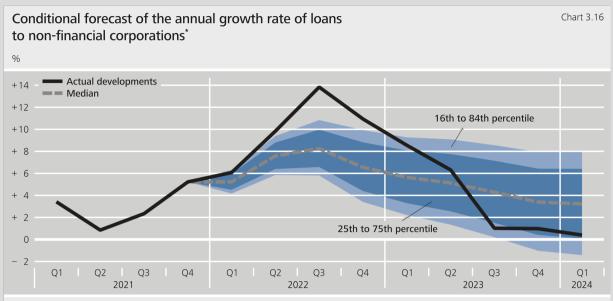
The model attributes the acceleration of loan growth from the end of 2021 and its subsequent decline to the impact of aggregate demand shocks and monetary policy shocks. Chart 3.17 shows the decomposition of the deviations of the loan growth rate from a hypothetical scenario in which no shocks would have occurred from 2019 onwards into the contributions of the identified structural shocks. "Other" summarises the contributions of the remaining five unidentified and thus uninterpretable shocks.^[9] In the phase of accelerating loan growth from mid-2021 onwards, loan growth is positively impacted by aggregate demand shocks and expansionary monetary policy shocks.^[10] According to the analysis, the decline in loan growth from mid-2022 onwards is partly due to the expiry of the supportive effect of these shocks. The results do not provide any evidence to suggest that loan supply shocks have a significant role in loan growth over the period under review. Unlike the results for the euro area in

Deutsche Bundesbank (2023a), money demand shocks were likewise not a major factor during the COVID-19 pandemic in Germany.^[11]

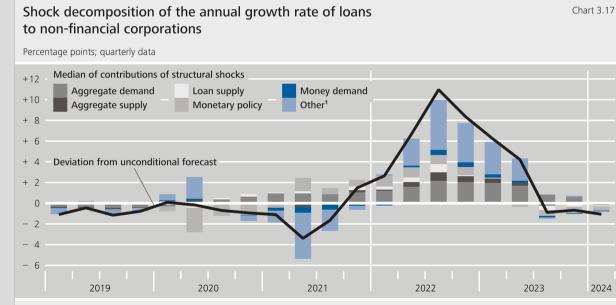
	Shock				
Variable	Aggregate demand	Aggregate supply	Loan supply	Monetary policy	Money demand
Germany					
Real GDP	+	-	+	-	-
HICP	+	+		-	-
Loans	+	•	+	-	•
Lending rate	+	•	-	+	•
Government bond yield	•	•	•	•	+
Money supply (M3)	+	•	+	-	+
Euro area					
Shadow interest rate/money market interest rate	+	+	+	+	-
Real GDP (excluding Germany)	•	•	•	-	
HICP (excluding Germany)	•		•	-	
Other					
US Treasury yield					

Table 3.1: Sign restrictions for shock identification

The restrictions apply to the period in which the shock occurs. A dot indicates that no assumption has been made for that variable regarding the direction of the effect of the shock described in the corresponding column.



* Simulated a posteriori distribution on the basis of the Bayesian VAR model. Simulations are based on actual developments in real GDP and HICP in Germany and in the euro area, the monetary policy indicator and government bond yields in the euro area and the United States. Deutsche Bundesbank



1 Sum of contributions of the unidentified shocks. Deutsche Bundesbank

- 1. The model is broadly similar to that used in Deutsche Bundesbank (2020), but additionally contains the German contribution to M3 to allow a comparison of the role of money demand shocks during the COVID-19 pandemic with the results for the euro area in Deutsche Bundesbank (2023a).
- 2. The estimation is conducted using the Bayesian approach of Giannone et al. (2015). Modelling of the increased variance during the COVID-19 pandemic follows Lenza and Primiceri (2022).
- 3. The simulation approach follows Bańbura et al. (2015).
- 4. Compared with the simulation in Chart 3.2, the distribution of the simulations is wider, especially towards the end of the simulation period. This is due, amongst other factors, to the increased estimation uncertainty associated with the larger number of variables.
- 5. However, episodes with relatively high inflation rates, as in the simulation period, play only a comparatively small role in the estimation period. This could lead to the model not correctly reflecting the relationships between the variables in a regime with elevated inflation rates and a significant role of supply-side shocks.
- 6. See Arias et al. (2018).
- 7. See Mandler and Scharnagl (2020).
- 8. It is also assumed that the coefficients of GDP and HICP are positive in the monetary policy indicator equation, i.e. that the Eurosystem responds to an increase in GDP or the price level with a more restrictive monetary policy. See Arias et al. (2019).
- 9. The analysis provides statistical distributions of the contributions of the shocks and the deviation of the actual loan growth rate from the hypothetical model simulation without shocks (unconditional forecast). The chart represents the median of each of these distributions. A difference between the black line, the median of the difference in the unconditional forecast and the sum of the median contributions of the shocks can be explained by the fact that the median of a sum is not necessarily equal to the sum of the medians of the summands.
- 10. The estimated model equation for the monetary policy indicator would have required a much more expansionary monetary policy in response to the sharp decline in GDP during the COVID-19 pandemic in the first quarter of 2020 than was actually the case. A monetary policy easing as predicted by the model would probably not have been feasible at all, owing to the effective lower bound and limits on potential monetary policy purchase programmes. The model therefore diagnoses a restrictive monetary policy shock at this point in time, followed by a somewhat less pronounced expansionary monetary policy shock in the second quarter, when GDP partially recovered. In the shock decomposition, the effect of the first, restrictive monetary policy shock prevails throughout 2020. For more information, see footnote 35 in Deutsche Bundesbank (2023a).
- 11. This also applies to the decomposition of the other variables, in particular M3. By contrast, the results pertaining to the role of aggregate demand shocks and monetary policy shocks are similar to those for the euro area in Deutsche Bundesbank (2023a).

The quantitative importance of loan supply and loan demand for loan growth

A model-based analysis is necessary in order to identify loan supply and demand as drivers of loan growth. The approach described below merges information on the dynamics of loan volumes from the balance sheet statistics of the monetary financial institutions (MFIs) with data on average interest rates for (new) loans from the MFI interest rate statistics as well as with BLS data.^[1] The analysis also takes into account the macroeconomic environment (including monetary policy), which has a bearing on developments in the loan market. This model can be used to show the observed annual growth rate of loans to non-financial corporations as the sum of all unexpected changes in loan supply and demand in the past – i.e. shocks – as well as the development of exogenous variables and an unidentified residual component. Unlike in the <u>supplementary information on the macro-financial Bayesian VAR model</u>, this approach specifically aims to map the unexpected changes in loan growth to one of the two sides of the market.

The VAR model presented here focuses on the relationships between loan growth, the lending rate, the change in credit standards according to the BLS (BLS standards) and the change in loan demand according to the BLS (BLS demand). It also takes into account the effects of various exogenous variables, namely the rates of change in gross domestic product and the consumer price index, as well as a short-term money market rate (three-month EURIBOR). These variables capture the effects of the macroeconomic environment on the loan market. These effects can influence the identification of unexpected changes in loan supply and demand, which means that they should be excluded as far as possible from a model that is, nonetheless, parsimoniously parametrised. The coefficients and residuals are estimated using the ordinary least squares (OLS) method over the period from the first quarter of 2003 to the first quarter of 2024.^[2]

The residuals of the loan growth equation are decomposed into supply and demand effects as well as into an unidentified remainder component. This is done by defining a combination of zero and sign restrictions that parts of the residuals must meet in order to be attributed to the shock in question; see Table 3.2. The restrictions reflect the definition of loan supply and demand, supplemented by the assumed response of the BLS variables. As a case in point, a tightening of the BLS standards is identified as a loan supply shock only if it exceeds the level expected according to the model and coincides with an unexpected decline in loan growth and a rise in the lending rate. The four endogenous variables of the model can now be represented as a linear combination of all shocks that occurred up to the respective point in time and exogenous influences; see Chart 3.18. "Macroeconomic environment" refers here to the universe of exogenous effects. These include the contribution made by government assistance loans to energy suppliers in 2022, which initially biased aggregated loan growth upwards and then, at end-2023/early 2024, downwards. The contribution of the unidentified shocks shown in the chart reflects the effects of the residual components that do not correspond to the schema described above.

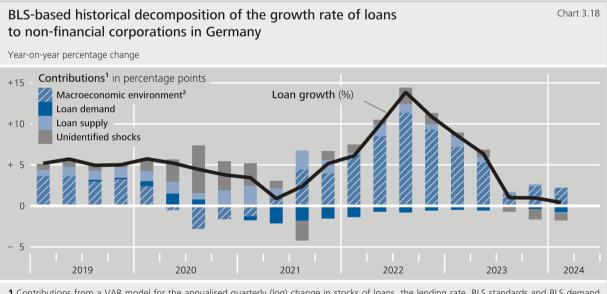
According to the model decomposition, after the peak economic impact of the coronavirus pandemic, both the increase in loan growth up to mid-2022 and the subsequent decline were mainly driven by the macroeconomic environment, which, in the specification chosen, also includes monetary policy. In addition, unexpected changes in loan growth mainly reflect particularly weak loan demand. This weakness is likely to have been driven in part by factors that cannot be adequately factored into this small model. They include, amongst other things, the repayment of loans taken out by firms during the pandemic to bridge delays in incoming payments or for precautionary reasons. However, firms' uncertainty about the longer-term consequences of the war in Ukraine, particularly regarding energy prices, is also likely to have contributed to the relatively persistent dampening effect on loan demand.

Unexpected loan supply restrictions on loans to enterprises cannot be identified for Germany. According to the model results, loan supply shocks supported loan growth, especially during the first phase of the coronavirus pandemic. The contribution of loan supply shocks is also positive rather than negative for the subsequent phase of initially rising and subsequently falling inflation rates, even though the positive contributions shown in the chart are not statistically significant throughout. The decomposition for the period considered here does not provide any evidence of significant dampening loan supply effects, which would have been caused, for example, by bank-related factors.

Table 3.2 Identifying zero and sign restrictions

	Shock		
Variable	Loan supply	Loan demand	
Loan growth	-	+	
Lending rate	+	+	
BLS standards	+	0	
BLS demand	0	+	

The restrictions apply to the period in which the shock occurs. A positive value of the "BLS standards" variable reflects a net tightening of credit standards.



1 Contributions from a VAR model for the annualised quarterly (log) change in stocks of loans, the lending rate, BLS standards and BLS demand (given exogenous GDP growth, inflation and short-term interest rates). 2 Contribution of the exogenous variables and KfW loans which were excluded from total lending when estimating the model. Deutsche Bundesbank

- 1. The modelling follows the procedure outlined in Deutsche Bundesbank (2023h).
- 2. For the estimation, loan growth was adjusted for the contribution of KfW loans to non-financial corporations in Germany, as these represent a distorting one-off effect starting from the second half of 2022, in the wake of the energy crisis. In addition, the peak economic impact of the coronavirus pandemic in 2020 was excluded by disregarding the five observations from the first quarter of 2020 to the first quarter of 2021 when calculating the coefficient estimators and the covariance matrix; see Schorfheide and Song (2021).

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The EU banking package

EU legislators have adopted a new legislative package to strengthen banking regulation. Published in the Official Journal of the European Union on 19 June 2024, this package is made up of the revised Capital Requirements Regulation (CRR) and the revised Capital Requirements Directive (CRD), and largely comprises the final elements of the global Basel III standards. It is sometimes referred to as the banking package or CRR III/CRD VI.

The bulk of the Basel III standards from 2010 have already been implemented in the EU. These have increased financial stability, strengthened banks' resilience and laid the foundations for the stable financing of the real economy. The final elements now complete the Basel framework by adjusting the methodology used in the calculation of capital requirements.

Besides implementing global standards, the banking package contains a number of other new features. One is that it incorporates environmental, social and governance (ESG) risks into banking regulation. Furthermore, it lays down clear rules for third-country banks operating in the EU, strengthens banking supervision, and tightens governance requirements.

The new regulations contained in the CRR are directly applicable and must be complied with by banks in the EU as of 1 January 2025. The amended CRD first has to be transposed into national law and is applicable as of 11 January 2026. Implementation work has been underway in Germany since the end of 2023.

1 Introduction

The banking package, as it is known, was published in the Official Journal of the European Union on 19 June 2024 and entered into force 20 days later. It is made up of the revised Capital Requirements Regulation (CRR) and the revised Capital Requirements Directive (CRD).¹⁾ As of 1 January 2025, banks in the EU will have to comply with the new CRR (CRR III) rules. The revised CRD (CRD VI), meanwhile, first has to be transposed into national law and is applicable as of 11 January 2026.

The main topic covered by the banking package is the implementation of the finalised Basel III standards adopted by the Basel Committee on Banking Supervision (BCBS) in December 2017.²⁾ These finalised standards form part of a package of measures addressing the weaknesses in the banking system that came to light during the 2007-09 financial crisis. The BCBS's first action came in 2010, when it laid down stricter capital rules (definition of capital, capital ratios, introduction of buffers), agreed on uniform liquidity standards and introduced a leverage ratio.³⁾ These standards were implemented into EU law back in 2013.^{4) 5)} The second package of measures, from 2017, aimed to reduce unwarranted variability in RWA calculations across banks.

To achieve this goal, the standardised approaches used to calculate RWAs were revised and the scope given to individual banks to use their own internal model approaches was curtailed. These measures are complemented by the introduction of an output floor requirement for the calculation of RWAs. This limits banks further in the extent to which they can model their own risks and capital requirements.

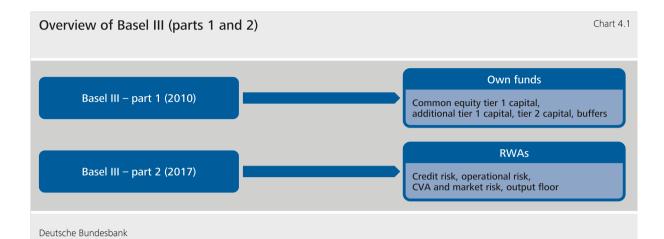
¹ See Directive (EU) 2024/1619 and Regulation (EU) 2024/1623 of 19 June 2024.

² See Basel Committee on Banking Supervision (2017).

³ See Basel Committee on Banking Supervision (2010).

⁴ See Directive 2013/36/EU of 26 June 2013 and Regulation (EU) No 575/2013 of 26 June 2013.

⁵ Banks in the EU that are categorised as global systemically important banks (G-SIBs) have been required since January 2021 to comply with a higher leverage ratio. This measure likewise forms part of the finalised Basel III standards. Its implementation was brought forward, however.



Besides implementing the finalised Basel III standards, the banking package contains other measures that can be regarded as a response to political challenges of the current era. These include the United Kingdom's withdrawal from the EU (Brexit) as well the adoption of the European Commission's Strategy for Financing the Transition to a Sustainable Economy.⁶⁾ In response to Brexit, EU legislators decided to subject banks established outside the EU to more harmonised and, in some parts, stricter supervision and regulatory treatment. Financing the transition to a sustainable economy is to be achieved, in part, by banks actively managing their sustainability (ESG) risks and this being monitored by the supervisory authorities.

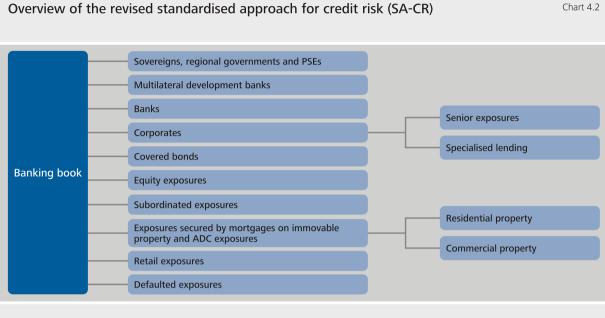
The individual components of the banking package are presented below. Part one discusses new legislation that originated from implementation of the finalised Basel III standards. Part two then presents the measures adopted in the context of political circumstances and issues of global relevance (such as climate change).

⁶ See European Commission (2021).

2 Basel III-related new legislation

2.1 Standardised approach for credit risk

The standardised approach for credit risk (SA-CR) is a methodology used for calculating the minimum capital requirements for credit risk in a bank's banking book, with the minimum capital requirements being determined based on prudential requirements. The revised SA-CR introduced more granular risk weights as a way of making the standard more risk-sensitive overall. Furthermore, the calibration was adjusted to the losses experienced during the financial crisis years, and efforts were made to achieve greater consistency with internal model approaches. One reason why this is important is that banks that use the internal ratings-based (IRB) approach to calculate their minimum capital requirements for credit risk in the banking book will also be required, going forward, to use the SA-CR to determine the RWA output floor (see the section entitled "Output floor: lower limit for capital requirements"). Another reason for updating the SA-CR is to reduce the reliance on external ratings, or to ensure that banks perform due diligence upfront to ensure the appropriateness of those ratings.



Deutsche Bundesbank

The manner in which capital requirements for interbank exposures are determined will change in terms of the importance and use of external ratings. Two techniques will be available for calculating these capital requirements: the External Credit Risk Assessment (ECRA) approach and the Standardised Credit Risk Assessment (SCRA) approach. As part of the implementation of the finalised Basel III standards, EU legislators agreed to continue to permit the use of external ratings provided these do not incorporate assumptions of government support. This measure aims to mitigate the nexus between banks and sovereigns and send the appropriate signal to market participants.^{7) 8)} The SCRA is intended for exposures without an external rating. Under this approach, the lending bank, with due regard for the prudential capital metrics and having performed due diligence, is required to assign the obligor bank to one of three risk weight buckets (grades), which indicates the appropriate risk weight to be applied. The risk weights used here range from 40 % (grade A) to 150 % (grade C). A risk weight of 30 % is also possible, subject to certain conditions (i.e. the leverage ratio meets or exceeds 5 % and the CET1 ratio meets or exceeds 14 %).

⁷ The option to determine the risk weight of an unrated exposure based on the external rating applicable to the central government of the country in which the borrowing bank is established has been deleted.

⁸ Capital requirements for public borrowers, i.e. central governments, regional governments, local authorities and public sector entities, have not been changed, however. It therefore remains possible to assign a zero weighting to these exposures.

The option of using external ratings has been retained in the corporate exposure class as well. Risk weights will be made more risk-sensitive.⁹⁾ As hitherto, a flat 100% risk weight will be assigned in the absence of an external rating. Specialised lending exposures are subdivided into three subcategories: object finance, project finance, and commodity finance. If certain conditions are met, unrated project finance exposures and, on a transitional basis, unrated object finance exposures as well, can be given privileged treatment.¹⁰⁾ EU legislators likewise decided to leave the supporting factor for small and medium-sized enterprises (the "SME SF"), which already exists in the EU, unchanged.¹¹⁾ The new 85% risk weight envisaged in the Basel standards for SMEs that cannot be assigned to the retail exposure class was not (additionally) implemented.

Subordinated debt and equity exposures will be grouped in separate exposure

classes. The risk weights have been increased to take into account the greater risk of loss compared with senior loan exposures. In future, risk weights can be as high as 400 % for certain exposures (speculative equity exposures, for example). CRR III grandfathers what it calls strategic equity holdings – that is to say, equity investments that a bank has already been holding for at least six years and over which it can exercise a certain degree of control and influence continue to be exempt from the adjustment of risk weights. Furthermore, exemptions (still) apply to equity exposures to institutions covered by the same institutional protection scheme. ¹²⁾ In general, subordinated debt exposures will receive a risk weight of 150 %.

In the retail exposure class, ¹³⁾ a distinction will be made in future between normal exposures used to finance a retail customer and revolving exposures that result from payment transactions (such as credit card payments). The latter are assigned a more favourable risk weight of 45 % (instead of 75 %) if the banks can demonstrate regular repayments and thus a lower risk of loss.

Far-reaching changes will be made concerning real estate exposures. Overall, this exposure class will be rendered more granular, thus making the capital requirement more risk-sensitive. In the first step, a distinction is made between exposures secured by a residential property and those where a commercial property is

⁹ Inter alia, by means of a new 75 % risk weight for exposures rated BBB-.

¹⁰ In these cases, the risk weight is 80% instead of 100% or 130%. The privileged treatment of object finance exposures represents a deviation from the Basel standard.

¹¹ The SME SF applies to banks that use the IRB and SA-CR approaches. The risk weights for SME corporate exposures can be multiplied by a factor of 0.7625 up to an amount of € 1.5 million and by a factor of 0.85 for amounts of € 1.5 million and above.

¹² The risk weight for these exposures remains at 100 % and has not been raised.

¹³ The criteria for assigning an exposure to the retail exposure class are set out in Article 123 of CRR.

used as collateral. In the second step, banks are required to assess whether the mortgage loan can be repaid out of the borrower's income ("classic" real estate exposure) or whether repayment is materially dependent on cash flows generated by the property (for example, rental income). CRR III continues to permit the use of the loan-splitting approach to calculate the capital requirement for "classic" real estate exposures. In this approach, the exposure is divided into a secured portion (loan-tovalue ratio (LTV) of up to 55%) and an unsecured portion (LTV above 55%). The secured portion is assigned a flat risk weight of 20% (secured by a residential property) or 60% (secured by a commercial property), while the unsecured portion is assigned the obligor's risk weight (for example, 75% for a retail obligor in a residential property exposure). The weighted average of the two portions is then the risk weight of the entire exposure. In future, exposures where repayment depends materially on the cash flows generated by the property will be subject to higher capital requirements because experience has shown that these have a higher risk of loss given default (LGD). CRR III introduces a new procedure for determining the risk weights for these exposures (the "whole loan" approach). This provides for individual ranges to which the total claim is assigned depending on the loan-to-value ratio. The higher the LTV, the higher the risk weights and thus the higher the capital requirements. Real estate exposures of this kind may, however, be subject to the same rules as "classic" real estate exposures if the national loss rates from real estate lending overall do not exceed certain ceilings, based on what is known as the hard test. The national competent authority (in Germany, the Federal Financial Supervisory Authority (BaFin)) conducts hard tests annually to assess whether this condition has been met. In addition, CRR III introduces a third category of mortgage loans. This category contains loans to companies and special-purpose vehicles (SPVs) financing land acquisition, development and construction (ADC) exposures. ADC exposures are normally risk-weighted at 150%, regardless of the obligor's creditworthiness. If certain conditions are met, ADC exposures to residential properties may be risk-weighted at 100 %.¹⁴⁾

Moreover, CRR III amends the definition of "value" for immovable property collateral and eliminates the distinction between market value and mortgage lending value. Banks have to ensure that the value of a property is not based on possible future price increases, but is sustainable in the long term. This measure is intended to help ensure that the value of the collateral contains no speculative elements. EU legislators did, however, decide that, subject to certain conditions,

¹⁴ For example, where legally binding pre-sale or pre-lease contracts amount to a significant portion of total contracts or substantial equity at risk.

increases in the value of immovable property would be permitted during the life of a loan, as long as these do not exceed the average value measured over the previous years.¹⁵⁾

Another new measure is the introduction of a risk weight multiplier for unhedged foreign currency exposures. These are exposures denominated in a currency which is different from the currency of the obligor's source of income. This risk weight multiplier is applicable to exposures to natural persons assigned to the retail and residential real estate exposure classes. The idea behind it is to cover the risk of default that could arise if the currency in which the loan is denominated appreciates significantly.

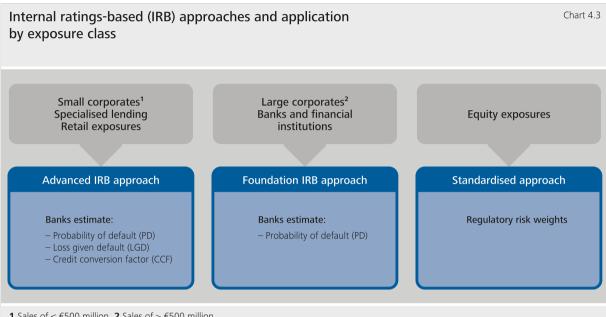
Off-balance-sheet items will also be affected by changes to the SA-CR. These changes will affect unconditionally cancellable commitments (UCCs), for example. In future, 10% of the committed but undrawn amount of such commitments will be recognised as an exposure and have to be backed by capital. Exempting these exposures from the capital requirement has proven unwarranted in practice. Unlike the Basel standard, however, CRR III allows this arrangement to be phased in up until the end of 2032.

The supervisory haircuts applied when counting financial collateral have also been updated to reflect newer market data and will have to be applied in future by all SA-CR banks that use the financial collateral comprehensive method. Institutions are no longer permitted to use their own haircut estimates as part of the financial collateral comprehensive method.

2.2 Internal ratings-based (IRB) approach

Banks that have received supervisory approval to use the IRB approach may estimate some of the parameters for calculating capital requirements for credit risk themselves. There are two different methods: the foundation IRB approach (F-IRB) and the advanced IRB approach (A-IRB). Banks using the F-IRB approach are allowed to provide their own estimates of the probability of default (PD), while the other risk parameters are specified by supervisors. Under the A-IRB approach, banks also provide their own estimates of loss given default (LGD) and the credit conversion factor (CCF) for off-balance-sheet exposures.

¹⁵ The horizon for calculating this average value is six years for residential property and eight years for commercial immovable property.



1 Sales of \leq €500 million. **2** Sales of > €500 million. Deutsche Bundesbank

CRR III contains some changes aimed at limiting the unwanted variability in RWA calculations. The BCBS had found that banks were arriving at different results when determining capital requirements for the same risks, ¹⁶⁾ resulting in a lack of transparency and comparability of capital requirements. This could be because of insufficient data for estimating the parameters or overly aggressive modelling.

To address this, the scope of application was adjusted and parameter estimates were limited, making the foundation IRB approach and SA-CR more meaningful. In future, it will not be permitted to use either the foundation or the advanced IRB approach to calculate the capital requirements for equity exposures. These must then be treated using the SA-CR. Under CRR III, portfolios in types of exposures that exhibit only low levels of default over time ("low-default portfolios") may only be treated using the foundation IRB approach. These include exposures to large corporates (i.e. with annual sales of more than € 500 million) and to banks and financial sector entities. The reason given for this measure is that reliable estimates of LGD are only possible when there is sufficient data on defaults. A separate exposure class is introduced for exposures to regional governments, local authorities and public sector entities. The advanced IRB approach is still permitted for these. Exposures in the retail, specialised

¹⁶ See Deutsche Bundesbank (2018).

lending, and central governments and central banks exposure classes can likewise continue to be treated using the advanced IRB approach. However, input floors will apply in future for the risk parameters. This measure is intended to prevent capital requirements falling below a certain level and risks being underestimated. However, this comes at the price of reduced risk sensitivity and an incentive for banks to potentially take on greater risks given the same capital requirements. EU legislators have adopted the minimum values set by the BCBS. Going forward, the existing input floor for PD of 0.03 % will go up to 0.05 %.¹⁷⁾ The input floors for the credit conversion factors are based on the regulatory values applied in the SA-CR. They have to be at least 50 % of these values. When calculating the input floors for LGD, a distinction must be made between secured and unsecured exposures. The values are based on the exposure class for unsecured exposures, and on the type of collateral for secured exposures.¹⁸⁾

The regulatory LGD and conversion factor values in the foundation IRB approach have also been adjusted, which will result in slightly reduced capital requirements in future. Other changes relate to the scaling factor of 1.06 previously contained in the risk weight function. This no longer applies in CRR III, meaning that the capital requirements will be around 6 % lower in future, all other things being equal.

Upon application of CRR III, banks will also be allowed to decide anew which exposure classes to use the IRB approach for and which to use the SA-CR for. Previously, the IRB approach had to be "rolled out" to all exposure classes subject to supervisory approval. There were only exemptions for certain exposures ("partial use"). Partial use rules are still in place but will relate in future to the individual exposure classes for which banks have received approval to use the IRB approach. In addition to the regular procedure for reverting to less sophisticated approaches, CRR III sets out a simplified procedure. Banks have three years to apply. The 92 % coverage ratio for the IRB approach that previously applied in Germany will also no longer apply in this form in future. However, the exemptions for use of the SA-CR will largely remain in place. These include, for example, immaterial exposures within an exposure class for which a bank actually has approval to use the IRB approach, or exposures to central governments and central banks within the EU. In these cases, banks may use the SA-CR.

¹⁷ A PD input floor of 0.03 % will continue to apply for exposures to regional governments, local authorities and public sector entities, whilst a future PD input floor of 0.1 % will apply for qualifying revolving retail exposures.

¹⁸ CRR III sets out a transitional period until the end of 2029 for the newly introduced input floors for specialised lending. They will increase from 50% to 100% of the final input floors up to that point.

2.3 Operational risk

There are currently three approaches to calculating capital requirements for operational risk. Two of these, the basic indicator approach and the standardised approach, are standardised procedures that use the credit institution's average gross income over the past three years as the basis for the calculation. Multiplying this average income by a regulatory percentage yields the capital requirements. The third approach, the advanced measurement approach (AMA), is an internal method that allows institutions to use their own estimates and assumptions. As regulation was reviewed in the wake of the financial crisis, however, it became clear that gross income was not a suitable indicator of a bank's operational risk. The BCBS also found that – much like with credit risk – there are large differences in the calculation of RWAs. This is because no uniform methodology for applying the AMA has become established among banks and supervisors. In addition, there were doubts as to whether an internal method, in the sense of greater risk sensitivity in this area, could create real added value.

As a result, the BCBS agreed to completely overhaul the calculation of the capital requirements. The three previous approaches were replaced by a new standardised measurement approach (SMA). While the SMA is similar to the basic indicator approach in how the calculations are made, it does not use gross income but something called the business indicator (BI) as the relevant variable. This is made up of three components:

- Interest, leases and dividend component: net interest income including income from leases and dividends;
- Services component: maximum of fee and commission income and fee and commission expense as well as maximum of other operating income and other operating expenses;
- Financial component: net profit and loss on the trading book and the banking book.



Also new in the revised framework is that positive values of all components feed into the calculation. This means that a negative net trading result, for example, also increases the basis for the calculation. Another new rule is that banks are divided into three categories according to their size. Larger banks are assumed to be exposed to higher levels of operational risk, and therefore also have to apply a higher percentage to calculate their capital requirements (18 % instead of the 12 % used by smaller banks). Finally, the calculation also includes a loss component, the internal loss multiplier (ILM). This is intended to further increase risk sensitivity and at the same time to give banks a stronger incentive to avoid operational risk. If a bank's losses are higher than average over the long term, the capital requirements increase. If they are lower than average, the capital requirements can be reduced by up to just under one-half.

EU legislators have incorporated the SMA, **as adopted by the BCBS**, **into CRR III**. Since the BCBS left its members free to choose whether or not to include the loss component and because, during the negotiations on CRR III, the dominant view was that historical operational losses are not a reliable basis on which to estimate future losses, the loss component was not implemented. However, large banks in the EU are required to record their operational losses and report them to supervisors.

2.4 Credit valuation adjustment (CVA) risk and market risk measurement approaches

CVA risk arises when the counterparty's credit quality is jeopardised and its creditworthiness may deteriorate. This risk assessment focuses on over-the-counter (OTC) derivatives. These harbour not only market risk, but also credit risk. If, for example, the credit quality of the derivative counterparty worsens, this negatively

affects the value of the derivative. The higher the price of the derivative, the greater the absolute loss in value. In order to measure this interplay between market risk and credit risk, two identical portfolios are considered, with only one assumed to exhibit potentially changing credit quality. The resulting difference in value is termed the credit valuation adjustment (CVA). Banks have to measure their CVA risk and calculate the relevant capital requirements. Aside from a change in counterparty credit quality (credit risk), CVA risk is also caused by a change in the absolute price of the derivative (market risk) or by a combination of both.

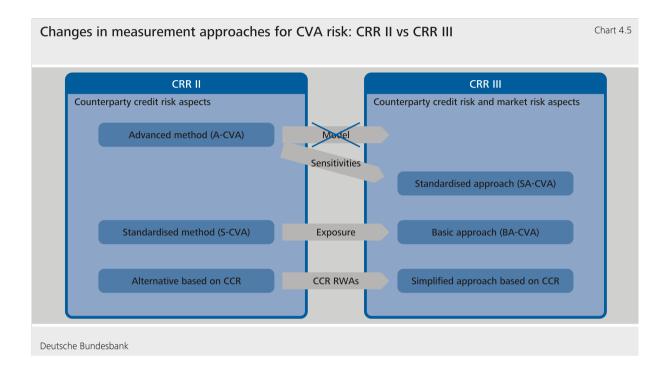
As banks incurred significant CVA losses during the financial crisis, CVA risk was included in the Basel III framework. In the EU, therefore, there is already a capital requirement for OTC derivatives. If a materiality threshold is exceeded, capital requirements for CVA risk also apply to securities financing transactions (SFTs). There are EU exemptions, however. For example, this rule does not apply to OTC derivatives transacted with EU Member States (public sector entities) and non-financial corporations. This derogation is a deviation from the Basel framework. EU legislators decided to keep this rule in CRR III as well. However, in future, banks will have to report their hypothetical CVA capital requirements for exempted transactions to supervisors.

The finalised Basel III framework revised the calculation approaches. As with operational risk, regulators decided to no longer allow internal models for calculating CVA requirements. Instead, there will be a new standardised approach (SA-CVA) that will lead to more methodological consistency with the Fundamental Review of the Trading Book (FRTB). This approach (SA-CVA) corresponds to a variance-covariance approach with correlations specified by supervisors and is intended for banks with more sophisticated derivatives portfolios. Use of this approach is therefore subject to supervisory approval. The new standardised approach also ensures that the market risk as well as the credit risk of derivatives are hedged.

In order to take the principle of proportionality into account, two further calculation methods are also introduced in CRR III. The basic approach (BA-CVA) is a method for calculating CVA capital requirements that may be used without supervisory approval. It is much simpler than the standardised approach and uses data already intended for calculating counterparty credit risk, which means banks have access to them without having to go to any extra effort. However, this approach does not hedge the market risk of derivatives.

The third approach is the simplified approach. It is intended for banks that have a comparatively small OTC derivatives portfolio. CRR III includes a threshold for this, which also applies for use of the original exposure method for counterparty credit risk (threshold for original exposure method: volume of derivatives business does not

exceed 5% of the institution's total assets and €100 million).¹⁹⁾ However, implementation of this is stricter than in the Basel standard.²⁰⁾ The capital requirements for CVA risk under this approach correspond to the capital requirements for counterparty credit risk. Supervisors can withdraw approval to use this approach, however, if CVA risk contributes materially to the bank's overall risk.



As regards market risk measurement approaches, the banking package also introduces the simplified standardised approach, the alternative standardised approach and the alternative internal model approach for capital purposes. Among the changes from CRR II, CRR III introduces new rules on the boundary of the trading book and the reclassification of positions. Moreover, it also defines requirements for internal risk transfers between the non-trading book and the trading book. At the same time, the European Commission is empowered to adopt a delegated act allowing it to delay the entry into force of the market risk rules by up to two years and, initially, to adjust the level of the capital requirements.²¹

¹⁹ Threshold for simplified approach based on CCR: the volume of derivatives business does not exceed 5 % of the bank's total assets and € 100 million.

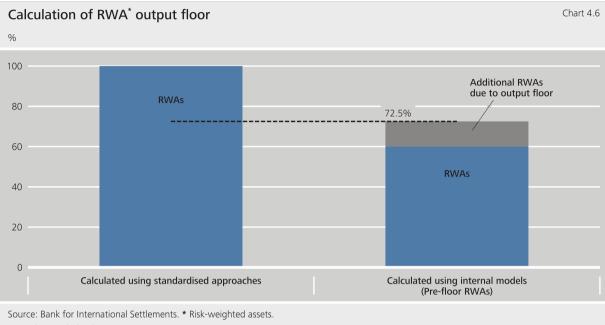
²⁰ The Basel standard stipulates that credit institutions with an OTC derivatives portfolio of less than or equal to €100 billion may apply the simplified method.

²¹ On 18 June 2024, the European Commission announced a one-year delay to application of the market risk framework to 1 January 2026. However, the exact design of the delegated act was not yet known as this Monthly Report went to press. See European Commission (2024).

2.5 Output floor: lower limit for capital requirements

The use of internal models to determine RWAs generally results in lower capital requirements than the use of regulatory standardised approaches. The gap between capital requirements is especially pronounced for lower-risk portfolios. In addition, when applying internal models of different banks to identical portfolios, there is strong dispersion in the resulting capital requirements. This leads to a lack of comparability for capital requirements and runs counter to the objective of creating a level playing field and an internationally harmonised set of rules.

Against this backdrop, there are differing views internationally on the benefits of using internal models to calculate capital requirements. While some jurisdictions, including the EU, generally consider their use to be beneficial as they increase risk sensitivity, other jurisdictions, including the United States for example, have less confidence in banks' own estimates. This led to lengthy and complicated deliberations during the negotiations on finalising the Basel III package. The upshot was that the BCBS agreed to continue to permit the use of internal models. However, the maximum possible reduction in capital requirements compared with use of the standardised approaches was limited. This means that RWAs cannot fall below a certain value when using internal models. This threshold is also referred to as the output floor. The output floor is measured as a percentage (72.5%) of RWAs calculated using the standardised approaches. Banks that use internal models must therefore additionally calculate RWAs using the standardised approaches, multiply them by 72.5% and, if necessary, increase their RWAs to that level if their model-based RWAs and thus the capital requirements are lower. The potential reduction in capital requirements compared with the use of standardised approaches is thus capped at 27.5%.



Deutsche Bundesbank

EU legislators incorporated this rule into CRR III and CRD VI. However, there will be some idiosyncrasies in the calculation of additional capital add-ons, such as the existing capital buffers and Pillar 2 add-ons. In addition to the minimum capital requirement of 8% of RWAs, there are further capital requirements for banks depending on their economic situation (e.g. the systemic risk buffer and the countercyclical capital buffer), their size and complexity (e.g. the buffers for other systemically important institutions (O-SIIs) and global systemically important institutions (G-SIIs)), and their individual risk situation (e.g. Pillar 2 add-on). Some of these add-ons may also address risks arising from the use of internal models. This is true of the systemic risk buffer and the Pillar 2 add-on, for instance. As the risk of potentially insufficient capital requirements based on models will already be limited by the output floor in future and a double capital requirement should be avoided, these add-ons are initially being reviewed by banking supervisors. An automatic increase which would arise from the RWA increase given a binding output floor cannot take place until this review. The same applies to the capital add-ons for O-SIIs and G-SIIs, as an RWA increase gives the size component a greater weight in the calculation.

Another idiosyncrasy is the level of application of the RWA output floor for banking groups in the EU. In the EU, capital requirements also apply at the single entity level. In other words, subsidiaries of banking groups must comply with the requirements, just the same as the parent institution. Accordingly, the output floor will likewise have to be complied with at the single entity level. Going forward, however, EU Member States will be able to decide for themselves whether banking groups within their national borders need to comply with the output floor only at the highest level of consolidation. This rule will not apply across borders, though, because in a crisis situation a transfer of capital across national borders does not seem sufficiently safe.

In addition to these permanent idiosyncrasies in the implementation of the output floor, CRR III includes a number of temporary derogations from the Basel standard. One is that the output floor will be phased in from 1 January 2025 to 31 December 2029. It will therefore only come into full force (72.5%) two years after the international implementation deadline. Another is that CRR III provides for various reduced requirements for the calculation of RWAs under the standardised approaches. However, these only apply to those banks that are required to calculate the output floor. ²²⁾ They include the following, in particular:

- a lower risk weight for certain corporate exposures for which no credit assessment by an ECAI is available under the SA-CR (65 % instead of 100 %), for a transitional period up to 31 December 2032;
- a lower risk weight for certain exposures secured by mortgages on residential property (10% on the secured portion instead of 20%), for a transitional period up to 31 December 2032;
- a lower risk weight when calculating capital requirements for counterparty credit risk, for a transitional period up to 31 December 2029;
- a lower risk weight for certain securitisation positions, for a transitional period up to 31 December 2032.

²² Until the full introduction, the potential RWA increase will additionally be limited to 25 % for banks in accordance with the Basel standard.

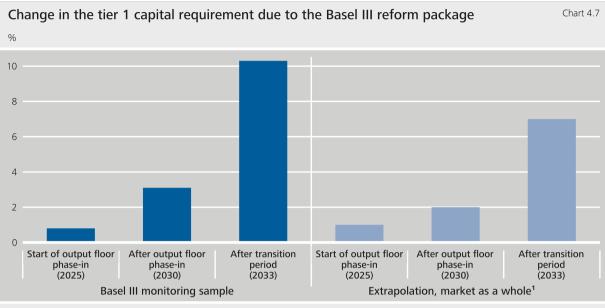
3 Impact of the Basel III finalisation on German institutions

Since 2011, the BCBS, in cooperation with national supervisory authorities, has been conducting a comprehensive global data collection initiative to assess the impact of the new standards on banks' capital requirements. 40 German banks are also participating in the initiative, primarily larger banks that use the IRB approach for credit risk. Once the transitional arrangements stipulated in the legislation come to an end in 2033, the EU implementation of the Basel III finalisation will lead to an increase of around 10.3 %²³⁾ in capital requirements²⁴⁾ in this sample. During the transitional period, a large part of this increase will thus be cushioned by the transitional arrangements. In 2030, the additional capital requirement will still be only around 3.1 %. However, as this sample is dominated by larger banks, the results cannot be extrapolated one-to-one to the German banking market as a whole. The Bundesbank estimates that the total capital requirement of all German banks could rise by around 2 % in 2030 and by 7 % in 2033. This corresponds to around € 25 billion up to 2033. This is manageable for the German banking market, as it is equipped with sufficient capital over and above the minimum requirement. ²⁵

²³ The reference date for the data collection is 31 December 2022.

²⁴ Tier 1 capital.

²⁵ Approximately € 160 billion in additional common equity tier 1 capital is available in the German banking market.



Source: Basel III monitoring, reference date: 31 December 2022. **1** Extrapolation constitutes a rough estimate. Deutsche Bundesbank

Compared with a strict implementation of the requirements in the Basel III finalisation, these effects are significantly smaller. One-to-one implementation would have led to an increase of 18.5 % in minimum requirements in the sample and an extrapolated 15 % for the German market as a whole.

In the EU, the output floor will be phased in from 2025, starting at 50 %. Initially, it will not be binding for any of the German banks in the sample. The transitional arrangements referred to in the <u>section on the output floor</u> are intended to mitigate the impact of the output floor on the capital requirement of banks using internal models. In particular, the relief for non-externally rated corporate positions is of particular importance here. Banks that apply the SA-CR will benefit most from EU-specific CVA exemptions, which were already included in CRR II and are maintained in the new legislation.

Table 4.1 – Changes in the tier 1 capital requirement due to EU implementation(%), reference date: 31 December 2022

Sample	2025 Output floor of 50 %	2030 Output floor of 72.5 %	2033 Output floor of 72.5 %
	0.8	3.1	10.3
of which			
IRB banks	0.5	3.5	13.0
SA-CR banks	1.8	1.8	1.8

4 Other changes

4.1 Sustainability risks in banking regulation

Both climate change and the transition to a sustainable and, in particular, climateneutral economy are presenting the European banking system with major challenges.²⁶⁾ For this reason, sustainability risks, especially ESG risks,²⁷⁾ play a pivotal role not only in the public perception but also in the supervisory debate and, with the new provisions, are now being more closely integrated into the CRD and the CRR;

New obligations for credit institutions				
Obligation to prepare prudential plans <i>Article 76(2) of CRD VI</i>	Introduction of ESG reporting <i>Article 430(1)(h) of CRR III</i>	Disclosure requirements regarding ESG risks for all institutions <i>Article 449a of CRR III</i>	Inclusion of ESG risks in the valuation of collateral <i>Article 207(4)(d) of CRR III</i>	
New supervisory power	S			
Integration of ESG risks into the Supervisory Review and Evaluation Process (SREP) <i>Article 98 of CRD VI</i>	Power to require institutions to make adjustments to prudential plans <i>Article 104(1)(m) of CRD VI</i>	Use of systemic risk buffer for climate-related risks <i>Article 133 of CRR III</i>		
EBA mandates				
Report on any risk discrepancies between assets subject to ESG factors and other assets <i>Article 501c of CRR III</i>	Guidelines on ESG risk management and prudential plans <i>Article 87a(5) of CRD VI</i>	Guidelines on banks' climate stress testing Article 87a(5) of CRD VI	Modification of Supervisory Review and Evaluation Process (SREP) to take account of ESG risks <i>Article 98 of CRD VI</i>	

Table 4.2 - Changes in the area of ESG risks

26 See Deutsche Bundesbank (2023).

27 The importance of ESG risks is also underlined by the fact that they are now defined for the first time in the CRR (Article 4(1) (52d).

The changes to the CRR mainly concern disclosure and supervisory reporting.

The aim is to ensure that supervisory authorities have at their disposal data that are sufficiently granular, comprehensive and comparable to ensure effective supervision. ESG-related disclosure requirements will be extended to all institutions. Until now, they were only applicable to large, publicly traded banks. In addition, the requirements will be specified in more detail and expanded. For example, institutions must disclose information on ESG risks, distinguishing environmental, social and governance risks, and physical risks as well as transition risks for environmental risks. ²⁸⁾ Moreover, banks must disclose how they integrate the identified ESG risks in their business strategy and processes, governance and risk management.

The new ESG-related provisions in CRD VI can be broken down into two categories: new obligations for banks and additional powers for supervisory authorities. In addition, they envisage various new mandates for the EBA (see Table 4.2).

In future, banks will have to take ESG risks into account in their internal capital planning and in their regular strategy review, considering the short, medium and long term. Another new element is the obligation for management bodies to set out specific plans outlining the ESG risks their bank is exposed to and how it will address them. These also include risks arising from the transition towards a climate-neutral economy, such as policy measures that could drive up costs in certain sectors and thus increase default risk for the banks financing them. Furthermore, a bank's remuneration rules and practices must be aligned with its ESG strategy. This applies, in particular, to the level of variable remuneration.

In line with banks' new obligations, supervisory authorities can demand a reduction in the exposure to ESG risks on a case-by-case basis. In addition, they can require institutions to adjust the targets, measures and actions in the above-mentioned plans.

²⁸ Transition risks are defined as risks arising from the transition to a low-emission economy. Physical risks, on the other hand, comprise damage resulting from extreme weather events or the gradual change in climate (see Deutsche Bundesbank (2023)).

4.2 Crypto-assets

The revised CRR and CRD introduce provisions on the prudential treatment of crypto-asset exposures for the first time. In December 2022, the BCBS adopted a global standard on this subject, ²⁹⁾ which has now been incorporated into the legislative text in the form of transitional arrangements.

Within this framework, crypto-assets are broken down into three groups for the purposes of calculating capital requirements. These are based in part on some of the crypto-asset categories introduced by the Markets in Crypto-Assets Regulation (MiCAR). ³⁰⁾ For the riskiest group of crypto-assets, the total permissible holdings are limited to 1 % of a bank's tier 1 capital. In addition, CRR III and CRD VI contain relevant definitions and reporting and disclosure requirements, as well as requirements for banks' risk management and supervisory processes. The European Commission has until mid-2025 to submit a separate legislative proposal addressing the other elements of the Basel standard (for example, specific liquidity requirements).

4.3 Harmonised framework for the supervision of third-country branches

At present, supervising branches of banks established outside the European

Economic Area (**EEA is largely a national matter.**³¹⁾ As a result, national requirements for third-country branches range from minimal rules to broadly similar treatment to any other (subsidiary) institution. CRD VI now establishes a single framework for the supervision of third-country branches. The rules of the framework are structured as minimum requirements. This means that Member States will be able to impose stricter requirements on third-country branches and maintain their existing framework (in whole or in part), provided that their national requirements are aligned with those applicable to a credit institution as defined in the CRR. As a general rule, a bank domiciled in a third country that operates within a Member State of the EEA may do so only via a third-country branch authorised by the competent supervisory authority.

²⁹ See Basel Committee on Banking Supervision (2022).

³⁰ See Regulation (EU) 2023/1114 of 31 May 2023 on markets in crypto-assets, and amending Regulations (EU) No 1093/2010 and (EU) No 1095/2010 and Directives 2013/36/EU and (EU) 2019/1937 (text with EEA relevance).

³¹ One of the few caveats can be found in Article 47(1) of CRD, which stipulates that third-country branches may not be given more favourable treatment than that accorded to EEA institutions.

Unlike in the case of subsidiaries, however, this authorisation applies only to the Member State in which the branch is authorised. The provision of cross-border services by a third-country branch within the EEA is not permitted. Exemptions from these principles exist for intra-group transactions both between the third-country institution and its branches and among the branches themselves, as well as for interbank transactions. Reverse solicitation is also permitted, provided that it is at the own exclusive initiative of the client.

4.4 Supervisory powers and fines

Supervisory powers will be expanded in some areas and new notification requirements will be introduced. For example, a bank will be obliged to notify the competent authority if it acquires material holdings in financial or non-financial sector entities. A holding is considered to be material if it exceeds 15 % of the eligible capital of the proposed acquirer. In future, banks and entities defined as (mixed) financial holding companies, as well as entities within the same group, will also have to notify the competent authority in advance of material transfers of assets and liabilities. In addition, the competent authorities must be notified of far-reaching business decisions such as mergers or divisions.

Periodic penalty payments are another new element in the legislation. The competent authorities are now authorised to impose periodic penalty payments per day of breach for infringements of rules resulting from the CRR and CRD or of decisions taken by a competent authority on the basis of those rules. This is to ensure that banks return to compliance with supervisory requirements as quickly as possible. In future, there will be a uniform definition of total annual net turnover, which will be used as the basis for calculating the maximum amount of administrative penalties and periodic penalty payments that can be imposed on a legal person. The maximum amount for periodic penalty payments that can be imposed on a natural person per day of breach is \notin 50,000.

4.5 Governance

The new rules introduced by CRD VI will also strengthen the governance requirements for banks. Among other elements, with regard to suitability

assessments they introduce an ex ante suitability notification for "large firms".³²⁾ In future, large firms will be required to notify the competent authority if they intend to appoint members of the management body in its management function or the chair of the management body in its supervisory function at least 30 working days before the prospective member takes up the position and submit the documents necessary for the suitability assessment.

The new legislation introduces a suitability assessment by the competent supervisory authorities for the heads of internal control functions ³³⁾ and the chief financial officers (CFO) of large institutions. If supervisors do not consider such candidates to be suitable for the position, they have the power to prevent them from taking up the position, remove them from the position or require additional measures to ensure their suitability. Another important innovation is the inclusion of direct reporting lines from the heads of internal control functions to the institution's management body in its supervisory function and the requirement that they can be removed from their function in the future and with the prior approval of the management body in its supervisory function.

³² Large firms are defined as large entities and large subsidiaries, as well as parent financial holding companies and parent mixed financial holding companies that have large institutions within their group. In accordance with Article 4(1) No 146 of Regulation (EU) 575/2013, inter alia institutions with total assets of at least € 30 billion are categorised as large institutions.

³³ The internal control functions comprise the risk control and compliance functions as well as internal audit.

5 Conclusion

The implementation of global standards will further strengthen the resilience of global financial markets. By adopting CRR III and CRD VI, the EU has sent an important signal to the global financial supervisory community. Moreover, banking regulation will thus be adapted to the challenges of today and supervisors will be given new powers to better monitor new risks.

German banks have sufficient capital. The Bundesbank therefore does not expect that banks will need to raise additional capital in order to fulfil the new requirements. Nor does it see the financing of the real economy as being jeopardised by the implementation of the new rules.³⁴⁾ This is partly thanks to the long phase-in period up to December 2032.

³⁴ See Deutsche Bundesbank (2022).

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I. Key economic data for the euro area

1. Monetary developments and interest rates

	Money stock in var	ious definitions 1,2			Determinants of th	e money stock 1		Interest rates	
			МЗ 3						
	M1	M2		3-month moving average (centred)	MFI lending, total	MFI lending to enterprises and households	Monetary capital formation 4	€STR 5,6	Yield on Euro- pean govern- ment bonds outstanding 7
Period	Annual percentage	change					-	% p.a. as a monthl	y average
2022 Oct.	3.5	5.0	4.9	5.1	5.1	5.3	- 0.4	0.66	3.0
Nov.	2.1	4.5	4.6	4.4	4.8	5.2	0.2	1.37	2.7
Dec.	0.2	3.4	3.8	3.8	3.9	4.4	0.9	1.57	2.8
2023 Jan.	- 1.3	2.5	3.0	3.1	3.0	3.7	1.6	1.90	2.9
Feb.	- 3.1	1.7	2.5	2.5	2.6	3.3	2.1	2.28	3.0
Mar.	- 4.7	1.0	2.0	2.0	2.0	2.9	2.5	2.57	3.1
Apr.	- 5.7	0.5	1.4	1.5	1.4	2.4	2.6	2.90	3.0
May	- 7.0	- 0.1	0.9	0.9	0.9	2.3	3.4	3.08	3.0
June	- 8.0	- 0.6	0.5	0.4	0.4	1.6	3.6	3.24	3.0
July	- 9.1	- 1.4	- 0.4	- 0.4	0.1	1.3	4.1	3.40	3.1
Aug.	- 10.4	- 2.4	- 1.3	- 0.9	- 0.1	0.7	4.5	3.64	3.2
Sep.	- 9.9	- 2.2	- 1.2	- 1.2	- 0.4	0.4	4.9	3.75	3.3
Oct.	- 10.0	- 2.2	- 1.0	- 1.0	- 0.5	0.4	5.5	3.90	3.5
Nov.	- 9.5	- 1.9	- 0.9	- 0.6	- 0.7	0.2	5.3	3.90	3.3
Dec.	- 8.5	- 0.9	0.1	- 0.2	- 0.4	0.4	4.8	3.90	2.7
2024 Jan.	- 8.6	- 1.1	0.1	0.2	- 0.4	0.4	5.2	3.90	2.8
Feb.	- 7.8	- 0.6	0.4	0.5	- 0.3	0.8	5.1	3.91	2.9
Mar.	- 6.6	- 0.2	0.9	0.9	- 0.2	0.8	5.2	3.91	2.9
Apr.	- 5.9	0.1	1.3	1.3	0.0	0.8	5.1	3.91	3.0
May	- 4.9	0.7	1.6		- 0.1	0.5	4.7	3.91	3.0
June								3.75	3.1

1 Source: ECB. 2 Seasonally adjusted. 3 Excluding money market fund shares/units, money market paper and debt securities with a maturity of up to two years held by non-euro area residents. 4 Longer-term liabilities to euro area non-MFIs. 5 Euro

Short-Term Rate. **6** See also footnotes to Table VI.3, p. 43[•]. **7** GDP-weighted yield on ten-year government bonds. Countries included: DE, FR, NL, BE, AT, FI, IE, PT, ES, IT, GR, SK, CY, SI.

2. External transactions and positions *

	Selected items of	of the euro area b	alance of payme	nts r					Euro exchange r	ates 1	
	Current account		Financial accour	nt					Reference	Effective exch	ange rate 3
	Balance	of which: Goods	Balance	Direct investment	Portfolio investment	Financial derivatives 2	Other Reservices Reser		rate vis-á-vis the US dollar	Nominal	Real 4
Period	€ million								EUR 1 = USD	Q1 1999 = 10	00
2022 Oct.	- 12,064	- 10,351	+ 13,389	- 15,148	- 15,008	+ 11,982	+ 27,637 +	518	0.9826	94.5	91.3
Nov.	+ 11,675	+ 5,514	- 22,018	- 32,401	- 32,225	+ 3,494	+ 38,596 +		1.0201	95.7	92.3
Dec.	+ 30,757	+ 9,240	+ 63,792	+ 79,964	+ 52,268	- 16,673	- 56,575 +		1.0589	96.8	92.6
2023 Jan.	- 16,127	- 14,473	+ 1,049	- 14,373	+ 22,276	- 5,068	+ 6,861 -	8,646	1.0769	97.1	92.8
Feb.	+ 14,206	+ 20,610	- 10,152	+ 34,568	- 39,111	+ 8,732	- 2,988 -	11,354	1.0715	97.0	93.1
Mar.	+ 30,270	+ 38,987	+ 68,146	+ 9,148	- 92,070	- 3,321	+ 152,937 +	1,453	1.0706	97.3	93.3
Apr.	+ 8,277	+ 7,348	- 6,231	- 29,333	+ 67,239	- 1,507	- 40,769 -	1,863	1.0968	98.4	94.2
May	- 10,717	+ 15,447	- 18,078	- 58,134	+ 43,581	+ 7,018	- 11,903 +	1,360	1.0868	98.0	93.6
June	+ 32,406	+ 32,585	+ 75,618	+ 82,370	- 42,091	- 10,329	+ 43,283 +	2,385	1.0840	98.2	93.8
July	+ 25,549	+ 21,945	+ 39,707	- 29,594	+ 51,761	- 8,097	+ 25,239 +		1.1058	99.2	95.0
Aug.	+ 25,057	+ 21,746	+ 10,921	+ 1,863	- 6,851	+ 3,823	+ 10,784 +		1.0909	99.0	95.0
Sep.	+ 32,885	+ 28,144	+ 43,576	+ 17,411	- 57,369	+ 3,176	+ 84,232 -		1.0684	98.5	94.6
Oct.	+ 14,816	+ 14,159	+ 44,847	+ 3,358	- 12,005	+ 17,054	+ 32,902 +	1,376	1.0563	98.0	94.1
Nov.	+ 32,629	+ 33,319	+ 28,445	+ 1,836	+ 19,914	+ 1,072	+ 4,246 +		1.0808	98.7	94.6
Dec.	+ 40,473	+ 28,842	+ 47,040	- 13,043	- 48,162	+ 4,853	+ 101,916 +		1.0903	98.2	94.0
2024 Jan.	+ 26,745	+ 26,779	+ 39,945	+ 9,663	- 19,839	+ 11,982	+ 37,318 +		1.0905	98.4	94.4
Feb.	+ 35,523	+ 36,897	+ 14,865	+ 49,381	- 13,543	+ 11,358	- 33,197 +		1.0795	98.1	94.1
Mar.	+ 43,103	+ 38,121	+ 57,195	+ 9,244	+ 17,800	- 11,891	+ 42,574 -		1.0872	98.8	94.8
Apr. May June	+ 34,443	+ 33,149 	+ 17,344 	+ 35,148 	– 22,191 	+ 7,309 	- 3,726 + 	804 	1.0728 1.0812 1.0759	98.6 98.9 98.5	p 94.5 p 94.8 p 94.4

see also Tables XII. 9 and 11, pp. 82•/ 83•. 2 Including employee stock options. 3 Bundesbank calculation. Vis-á-vis the currencies of the extended EER group of

tranding partners (fixed composition). 4 Based on consumer price indices.

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I. Key economic data for the euro area

3. General economic indicators

		1		1	1	1	1	1			
Period	Euro area	Belgium	Germany	Estonia	Finland	France	Greece	Ireland	Italy	Croatia	Latvia
	Real gross	domestic p	roduct 1								
2021 2022 2023	6.1 3.5 0.4		3.2 1.8 - 0.2	- 0.5 - 3.0	5 1.3	2.6	5.6	8.6	8.3 4.0 0.9	13.0 7.0 3.1	6.7 3.0 - 0.3
2022 Q4 2023 Q1	1.9		0.2 0.5	- 4.2		1	1	8.8	1.6 2.5	3.3 2.9	1.3 0.7
Q2 Q3 Q4	0.5 0.1 0.2	1.3 1.3	- 0.3 - 0.5 - 0.4	- 2.7 - 2.8 - 2.6	- 1.0 - 2.1	0.9 0.5	3.0 1.9	- 3.9 - 8.4	0.4 0.4 0.5	2.9 3.8 1.4 4.4	- 0.6 - 0.6 - 0.5
2024 Q1	0.5		- 0.9	- 2.3	- 1.6	1.1	1.9	- 4.7	0.7	3.9	0.1
	Annual percen	production ² tage change	2								
2021 2022 2023	8.8 2.2 - 2.2	- 0.7	4.6 - 0.3 - 1.9	12.8 - 2.3 - 8.8	3 4.0	0.0	2.5	18.9	12.3 0.3 - 2.0	6.3 1.6 – 0.1	6.6 0.8 - 3.6
2022 Q4 2023 Q1	1.9 0.8		- 0.7	- 10.4		1		1	- 2.3	- 1.4	- 1.2 - 4.3
Q2 Q3 Q4	- 0.9 - 4.8 - 4.0	- 4.3 - 6.9	- 0.4 - 3.5 - 4.5	- 12.9 - 9.8 - 4.3	9 – 3.8 3 – 2.8	1.2 0.5	- 0.2	4.2	- 0.7 - 3.5 - 2.5 - 1.5	- 1.7 0.1 - 0.4 1.6	- 4.3 - 7.4 - 2.4 - 0.1
2024 Q1	- 4.7		P - 5.5	- 7.0) – 3.2	0.3	3.6	- 19.4	- 3.5	- 4.0	- 0.2
		Itilisation in Je of full capacity	industry ³								
2021 2022 2023	81.5 82.2 80.6	79.1	84.9 85.2 83.4	78.1 71.7 67.3	80.9	81.8	75.9	79.8	77.0 79.0 77.5	75.0 77.0 77.2	75.3 75.0 72.8
2023 Q1 Q2 Q3 Q4	81.5 81.3 80.1 79.6	77.2 75.0	84.6 84.2 82.9 81.9	71.4 70.8 62.5 64.6	3 76.4 5 77.4	82.0 80.6	73.7 76.3		78.2 78.0 77.4 76.5	77.5 78.3 78.2 74.8	72.7 73.7 72.6 72.3
2024 Q1 Q2	79.2 78.9	74.0	81.3 80.3	65.7	73.3	80.9	73.5		75.5 76.0	76.0 74.3	71.4 73.0
		sed unemplo Je of civilian labou		4					•	•	
2021 2022 2023	7.8 6.7 6.6	e 5.5	3.6 p 3.1 p 3.0	e 6.2 e 5.6 e 6.4	5 e 6.8	e 7.3	e 12.5		e 9.5 e 8.1 e 7.7	e 7.6 e 6.8 e 6.1	e 7.6 e 6.9 e 6.5
2024 Jan. Feb. Mar.	6.5 6.5 6.5		3.2 3.2 3.3	7.4 7.5 7.6	5 7.7	7.4	11.5	4.6 4.1 4.0	7.2 7.3 7.1	5.6 5.5 5.5	6.9 6.9 6.9
Apr. May June	6.4 6.4 		3.3 3.3 	7.5	8.2	7.4	10.6	4.0	6.8 6.8 	5.4 5.3 	6.8 6.7
	Harmonise Annual percen	ed Index of (tage change	Consumer F	Prices							
2021 2022 2023	2.6 8.4 6 5.4	10.3	5 3.2 8.7 6.0	4.5 19.4 9.1	1 7.2	5.9	9.3	8.1	1.9 8.7 5.9	2.7 10.7 8.4	3.2 17.2 9.1
2024 Jan. Feb. Mar.	2.8 2.6 2.4	3.6	3.1 2.7 2.3	5.0 4.4 4.1	4 1 .1	3.2	3.1	2.3	0.9 0.8 1.2	4.8 4.8 4.9	1.1 0.6 1.0
Apr. May June	2.4 2.6 2.5	4.9	2.4 2.8 2.5	3.1 3.1 2.8	0.4	2.6	2.4	2.0	0.9 0.8 0.9	4.7 4.3 3.5	1.1 0.0 1.5
	General ge As a percentad	overnment f	inancial bal	ance 7							
2021 2022 2023	- 5.2 - 3.7 - 3.6	- 5.4 - 3.6	- 2.5	- 1.0) – 0.4	- 4.8	- 2.5	1.7	- 8.6	0.1	- 4.6
	General ge As a percentag	overnment c Je of GDP	lebt 7		-		-	-		-	. '
2021 2022 2023	94.8 90.8 88.6	104.3	66.1	18.5	73.5	111.9	172.7	44.4	140.5	77.5 67.8 63.0	41.8

Sources: Eurostat, European Commission, European Central Bank, Federal Statistical Office, Bundesbank calculations. Latest data are partly based on press reports and are

provisional. 1 Euro area: quarterly data seasonally and calendar adjusted. 2 Manufacturing, mining and energy: adjusted for working-day variations. 3 Manufacturing:

I. Key economic data for the euro area

1 tab	uania	Luxamb	Malta	Nothoria	Austria	Dertugal	Clauskis	Claugatic	Casia	Cuerus	Deried
	Jania	Luxembourg	Malta	Netherlands	Austria	Portugal	Slovakia	Slovenia Real	gross domes		Period
	6.3 2.4	7.2 1.4	12.5 8.1	6.3 5.0	4.2 4.8	5.7 6.8	4.8 1.9	8.2 2.5	6.4 5.8	ercentage change 9.9 5.1	2021 2022
	- 0.3 0.1	- 1.1 - 2.3	5.7 7.0	0.1	- 0.8 1.7	2.3 3.1	1.6 1.3	1.6 - 0.2	2.5 3.8	2.5	2023 2022 Q4
	- 2.4	- 1.3	6.3	1.9	2.2	2.7	0.2	1.1	4.5	3.0	2023 Q1
	0.8 0.3	- 0.4 - 1.9	5.0 7.2	- 0.3 - 0.7	- 1.7 - 2.0	2.1 2.0	1.8 2.0	1.7 1.3	2.1	2.2 2.6	Q2 Q3
	- 0.2 3.0	- 0.8 - 0.4	4.4 4.6	- 0.5	- 1.5 - 1.2	2.2	2.2	2.2	2.0 2.5	2.1	Q4 2024 Q1
									Industrial	production ² ercentage change	
	20.1 9.3	8.4 - 1.3	- 0.9 1.5	5.0 2.6	11.3 6.5	3.9 0.6	10.6 - 4.3	10.2 1.2		6.0 2.6	2021 2022
	- 5.2	- 5.7	7.3	- 0.0	- 1.3	- 3.1	0.2	- 5.6	- 1.1	2.0	2022
	- 3.1 - 11.7	- 3.3 - 4.4	8.0	1.3	2.7 1.0	0.8	- 9.4	- 5.7	0.7	1.4	2022 Q4 2023 Q1
	0.1	- 6.9	15.9 7.8	3.1	- 1.1	1.4 - 5.2 - 4.9	- 2.4	- 4.1	- 2.1	0.3	Q2 Q3
	- 5.5 - 3.2	- 7.7 - 3.8	2.0 4.5	- 0.7 - 1.8	0.0 - 4.9	- 4.9 - 3.5	1.1 2.1	- 10.1 - 5.1	- 1.8 - 1.2	2.8 4.0	Q3 Q4
	- 0.8	- 4.3	- 2.8	- 2.5	- 6.9	1.2	1.3	- 3.0		4.1	2024 Q1
								Capaci	ty utilisation As a percenta	ge of full capacity	
1	76.7	82.0 80.7	76.8	82.4	87.1	79.1 81.9	82.2	84.5	77.8	51.2	2021
	77.8 68.4	73.1	64.7 68.1	83.7 81.9	87.7 85.3	81.9	83.3 82.1	84.9 83.1	78.7 76.9	58.2 61.6	2022 2023
	68.0 69.0	74.3 75.5	65.7 53.3	83.0 82.5	87.0 86.3	81.5 83.5	80.2 84.0	83.3 83.9	77.1 76.3	59.5 61.2	2023 Q1 Q2
	68.2 68.5	72.0 70.5	69.4 84.1	81.3 80.9	84.6 83.3	80.9 80.9	83.0 81.0	82.9 82.4	76.2 77.8	62.6 63.3	Q3 Q4
	70.6	74.8	75.6	78.8	84.0	81.0	80.1	80.6	77.2	65.1	2024 Q1
1	70.1	75.3	76.4	79.6	83.3	81.2	77.6		sed unemplo		Q2
e	7.2	e 5.4	e 3.8	e 4.2	e 6.2	e 6.8	e 6.9	e 4.8	a percentage of ci e 15.0	-	2021
e e	5.9 6.9	e 4.6 e 5.2	e 3.5 e 3.1	e 3.6 e 3.5	e 4.8 e 5.1	e 6.2 e 6.5	e 6.2 e 5.9	e 4.0 e 3.7	e 13.0 e 12.2	e 6.8 e 6.1	2022 2023
	7.4	5.6	3.0	3.6	5.0	6.6	5.6	3.3	11.9	5.9	2024 Jan.
	7.5 7.5	5.6 5.6	3.0 3.1	3.7 3.6	4.7 4.9	6.6 6.5	5.6 5.6	3.3 3.3	11.8 11.7	5.4 4.9	Feb. Mar.
	7.5 7.7 	5.6 5.7	3.1 3.2 	3.7 3.6 	4.8 5.0 	6.4 6.5	5.6 5.5 	3.3 3.2 	11.7 11.7 	4.4 4.1	Apr. May June
							•		ndex of Con		June
1	4.6				2.8	0.9	2.8		3.0	2.3	2021
	18.9 8.7	8.2 2.9	6.1 5.6	11.6 4.1	8.6 7.7	8.1 5.3	12.1 11.0	9.3 7.2	8.3 3.4	8.1 3.9	2022 2023
	1.1 1.1	3.0 3.2	3.7 3.0	3.1 2.7	4.3 4.0	2.5 2.3	4.4 3.8	3.4 3.4	3.5 2.9	2.1 2.1	2024 Jan. Feb.
	0.4	3.2	2.7	3.1	4.1	2.6	2.7	3.4	3.3	1.6	Mar.
	0.4 0.9	3.0 3.2	2.4 2.3	2.6	3.4 3.3	2.3 3.8	2.4 2.6	3.0 2.5	3.4 3.8	2.1 3.0	Apr. May
I	1.0	2.8	2.2	3.4	3.1	3.1	2.4 Ge	1.6 eneral goverr	nment financ	ial balance 7	June
1	- 1.1	0.5	- 7.6		- 5.8	- 2.9	- 5.2	- 4.6		ercentage of GDP – 1.8	2021
	- 0.6 - 0.8	- 0.3 - 1.3	- 5.5 - 4.9	- 0.1	- 3.3	- 0.3 1.2	- 1.7	- 3.0 - 2.5	- 4.7	2.7	2022 2023
				•	•	•	•	•	neral govern		
1	43.4	24.5	53.9		82.5	124.5	61.1	74.4	116.8	99.3	2021
	38.1 38.3	24.7 25.7	51.6 50.4		78.4 77.8	112.4 99.1	57.7 56.0	72.5 69.2	111.6 107.7	85.6 77.3	2022 2023
quart	arly data ca		Data asllastica		-f +h		ware labored Dee		cluding Croatia fro		

quarterly data seasonally adjusted. Data collection at the beginning of the quarter. ${\bf 4}$ Monthly data seasonally adjusted. ${\bf 5}$ Influenced by a temporary reduction of value

added tax between July and December 2020. **6** Including Croatia from 2023 onwards. **7** According to Maastricht Treaty definition.

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II. Overall monetary survey in the euro area

1. The money stock and its counterparts * a) Euro area 1

€ billion

	I. Lending to in the euro a	non-banks (no ea	n-MFIs)			II. Net claims non-euro area				capital forma itutions (MFIs)			
		Enterprises and househo	olds	General government								Debt	
Period	Total	Total	of which: Securities	Total	of which: Securities	Total	Claims on non- euro area residents	Liabil- ities to non-euro area residents	Total	Deposits with an agreed maturity of over 2 years	Deposits at agreed notice of over 3 months	securities with maturities of over 2 years (net) 2	Capital and reserves 3
2022 Oct.	- 12.6	- 0.1	- 6.2	- 12.5	- 9.7	- 1.2	169.1	170.3	- 13.3	- 14.7	0.1	10.4	- 9.2
Nov.	93.8	84.8	31.8	9.0	14.3	15.1	- 40.3	- 55.3	31.6	1.4	0.2	34.0	- 3.9
Dec.	- 121.1	- 87.9	- 0.5	- 33.1	- 41.3	2.5	- 254.6	- 257.1	50.9	11.0	0.1	0.7	39.1
2023 Jan.	- 9.9	- 0.4	- 15.9	- 9.5	- 4.1	12.5	127.9	115.4	28.0	- 6.4	2.2	57.3	- 25.1
Feb.	7.9	- 12.9	3.3	20.8	29.8	6.8	- 1.4	- 8.2	15.5	- 1.1	1.6	10.3	4.7
Mar.	29.9	37.1	11.7	- 7.2	- 9.7	74.4	111.8	37.3	27.9	10.3	1.3	5.8	10.6
Apr.	- 5.6	27.9	29.5	- 33.5	- 29.3	- 21.2	- 21.7	- 0.5	10.5	9.4	1.4	3.9	- 4.2
May	- 0.2	45.5	33.2	- 45.7	- 50.0	4.4	22.2	17.8	37.6	- 0.5	2.4	27.1	8.6
June	5.1	– 9.1	– 12.3	14.3	21.1	109.5	13.5	- 96.1	43.9	1.2	2.8	26.8	13.1
July	- 45.5	7.0	5.2	- 52.5	- 52.1	37.0	109.0	72.0	33.7	0.9	2.9	18.9	11.1
Aug.	- 56.2	- 67.0	- 12.2	10.7	13.4	31.4	61.8	30.4	20.9	- 2.4	4.0	9.3	9.9
Sep.	36.9	33.5	- 1.6	3.5	2.6	62.7	- 106.7	- 169.4	43.2	15.3	5.0	11.2	11.8
Oct.	- 33.7	6.0	- 10.4	- 39.7	- 39.3	54.6	49.4	- 5.2	29.4	- 9.3	4.7	26.3	7.7
Nov.	38.1	46.9	- 1.1	- 8.8	- 4.8	59.0	51.3	- 7.7	16.6	- 4.7	5.6	22.6	- 6.8
Dec.	- 58.8	- 47.2	2.7	- 11.6	- 20.5	26.4	- 100.2	- 126.5	24.9	12.5	5.9	4.5	2.0
2024 Jan.	- 8.8	- 1.5	25.7	- 7.3	- 7.0	118.0	111.8	- 6.3	56.8	- 3.6	7.0	61.3	- 7.8
Feb.	38.9	38.2	6.8	0.7	11.2	- 15.6	98.2	113.8	5.4	0.8	4.8	15.8	- 16.0
Mar.	56.1	48.1	4.1	8.0	8.3	64.2	96.6	32.4	38.9	5.0	3.0	34.4	- 3.5
Apr.	32.1	23.6	1.1	8.5	4.4	45.3	7.5	- 37.7	6.8	- 7.4	2.5	19.7	- 7.9
May	- 24.1	- 6.6	- 1.8	- 17.5	- 14.9	43.1	73.9	30.8	9.0	2.3	1.8	- 0.5	5.5

b) German contribution

		ing to r euro ar	non-banks (nc ea	n-MFIs)						claims (uro area	on residents				ation at mone) in the euro a		
			Enterprises and househo	olds		Gener goveri										Debt	
Period	Total		Total	of whic Securiti		Total		of which: Securities	Total		Claims on non- euro area residents	Liabil- ities to non-euro area residents	Total	Deposits with an agreed maturity of over 2 years	Deposits at agreed notice of over 3 months	securities with maturities of over 2 years (net) 2	Capital and reserves 3
2022 Oct. Nov. Dec.	-	12.8 25.4 28.8	10.5 26.2 – 19.6		0.2 1.4 2.4		2.3 0.9 9.3	1.9 0.8 - 8.2	_	45.1 38.0 37.1	20.4 8.9 – 71.9	- 24.7 - 29.1 - 34.8	- 7.6 9.8 - 0.5	- 1.2 1.9 - 3.7	0.2 0.2 0.4	3.2 7.1 – 1.9	- 9.8 0.6 4.8
2023 Jan. Feb. Mar.		27.5 9.2 4.8	16.9 8.3 8.1	-	0.2 0.2 6.4	-	10.7 0.9 3.4	8.9 1.8 - 3.7	-	63.0 58.4 12.4	29.8 - 2.0 10.5	- 33.3 - 60.3 23.0	- 14.3 3.3 15.5	2.7 0.6 6.0	1.0 1.2 1.6	3.1 - 2.1 4.4	- 21.0 3.5 3.5
Apr. May June	-	3.7 5.0 1.5	13.0 11.3 – 1.9	-	1.2 1.3 4.1	-	16.7 6.3 3.4	- 20.2 - 4.7 5.4		62.7 9.6 7.6	- 15.2 16.5 - 6.6	- 77.9 6.9 - 14.3	5.0 16.9 9.7	2.0 2.7 - 0.9	1.5 2.2 2.7	- 3.0 6.1 - 0.3	4.5 5.8 8.2
July Aug. Sep.	=	5.1 6.8 8.2	6.8 - 5.0 1.7	-	1.1 6.1 0.8	- - -	1.7 1.8 9.9	- 4.7 0.3 - 13.3	-	34.0 25.7 0.1	8.3 - 5.3 - 2.8	- 25.7 - 31.0 - 2.7	24.9 6.6 21.1	- 0.3 - 2.7 0.1	3.0 2.7 2.9	10.2 0.2 11.6	12.0 6.4 6.4
Oct. Nov. Dec.	-	2.0 12.2 18.0	0.1 13.1 - 11.1	-	0.2 1.1 2.5	- - -	2.1 0.8 6.9	- 5.2 1.8 - 5.1	-	16.2 13.7 17.4	4.9 - 3.4 - 10.6	- 11.3 - 17.1 6.8	11.8 10.6 8.8	- 0.1 3.7 3.2	3.0 3.4 2.5	5.9 1.0 1.7	3.0 2.4 1.4
2024 Jan. Feb. Mar.		11.1 10.6 8.3	2.0 20.2 4.3	-	0.5 6.8 0.5	-	9.1 9.6 4.0	6.7 - 7.6 2.0	-	74.5 17.0 6.6	20.7 40.0 4.2	- 53.7 57.1 - 2.4	- 1.8 - 6.9 - 5.3	- 0.1 - 1.6 1.7	2.5 2.4 1.7	12.7 7.7 2.4	- 17.0 - 15.3 - 11.1
Apr. May	-	13.5 5.4	- 3.7 14.4	-	3.9 5.7	-	9.8 9.0	- 13.1 - 7.7		41.3 17.6	4.2 35.3	- 37.1 17.6	16.0 19.0	2.0 2.7	0.9 0.5	11.2 5.5	1.9 10.4

* The data in this table are based on the consolidated balance sheet of monetary financial institutions (MFIs) (Table II.2); statistical breaks have been eliminated from the flow figures (see also the "Notes on the figures" in the "Explanatory notes" of the Statistical Series Banking Statistics). **1** Source: ECB. **2** Excluding MFIs' portfolios. **3** After

deduction of inter-MFI participations. **4** Including the counterparts of monetary liabilities of central governments. **5** Including the monetary liabilities of central governments (Post Office, Treasury). **6** In Germany, only savings deposits. **7** Paper held by residents outside the euro area has been eliminated. **8** Less German MFIs' holdings

II. Overall monetary survey in the euro area

a) Euro area 1

	V. Other fac	tors	VI. Money st	ock M3 (balan	ice I plus II les	s III less IV les	ss V)						
		<i>.</i>		Money stock	M2							Debt secur-	
		of which: Intra-			Money stock	: M1						ities with maturities	
IV. De- posits of central gov- ernments	Total 4	Eurosystem liability/ claim related to banknote issue	Total	Total	Total	Currency in circu- lation	Overnight deposits 5	Deposits with an agreed maturity of up to 2 years 5	Deposits at agreed notice of up to 3 months 5,6	Repo transac- tions	Money market fund shares (net) 2,7,8	of up to 2 years (incl. money market paper) (net) 2,7	Period
- 5.2	66.2	0.0	- 57.9	- 77.1	- 157.5	- 0.4	- 157.1	85.4	- 5.0	4.3	36.7	- 25.5	2022 Oct.
- 10.2	1.1	0.0	70.1	20.9	- 30.6	- 3.5	- 27.1	58.8	- 7.3	27.4	22.3	16.4	Nov.
- 84.6	- 64.2	0.0	2.7	12.5	- 61.6	11.6	- 73.2	60.8	13.3	- 46.5	2.8	10.4	Dec.
- 38.8	129.3	0.0	- 133.7	- 149.8	- 232.0	- 13.3	- 218.7	76.0	6.1	35.0	6.8	- 8.1	2023 Jan.
20.3	21.2	0.0	- 42.0	- 63.4	- 135.7	- 3.5	- 132.1	72.2	0.0	- 2.2	- 6.4	29.8	Feb.
31.3	30.7	0.0	16.9	10.2	- 103.9	3.9	- 107.8	119.6	– 5.5	- 25.7	20.6	9.4	Mar.
- 27.2	- 10.5	0.0	- 0.8	- 17.9	- 52.1	4.1	- 56.3	45.6	- 11.4	6.7	11.5	0.2	Apr.
- 104.4	81.2	0.0	- 30.4	- 44.9	- 94.3	1.7	- 96.0	52.9	- 3.5	29.6	1.5	4.2	May
24.5	44.7	0.0	6.6	22.3	- 60.9	3.1	- 64.0	94.4	- 11.2	- 11.2	– 6.2	- 3.7	June
- 29.1	1.4	0.0	0.3	- 28.3	- 91.0	3.0	- 94.1	73.3	- 10.6	4.1	10.6	- 0.9	July
- 20.0	5.3	0.0	- 43.4	- 45.1	- 101.9	- 7.6	- 94.2	81.1	- 24.3	4.4	8.4	0.8	Aug.
35.1	- 14.6	0.0	46.5	44.6	- 11.6	- 3.1	- 8.5	79.8	- 23.6	- 5.8	– 0.7	- 2.1	Sep.
- 28.5	55.8	0.0	- 44.9	- 87.9	- 169.1	- 4.4	- 164.8	102.9	- 21.7	25.2	18.8	8.4	Oct.
- 48.4	45.4	0.0	76.2	54.4	18.3	- 2.9	21.3	48.8	- 12.7	22.3	16.9	- 10.2	Nov.
14.4	-223.3	0.0	166.9	166.2	71.7	13.8	57.9	75.8	18.7	– 27.1	14.4	- 2.1	Dec.
18.9	155.4	0.0	- 132.5	- 181.6	- 238.2	- 17.1	- 221.1	61.0	- 4.4	27.2	30.8	1.8	2024 Jan.
9.1	5.4	0.0	1.2	15.0	- 31.1	- 0.9	- 30.3	55.8	- 9.6	5.2	- 11.4	- 5.4	Feb.
– 26.8	- 25.9	0.0	121.6	103.7	57.9	5.2	52.7	46.7	- 0.8	23.9	15.7	- 9.2	Mar.
23.9	35.6	0.0	25.4	- 24.0	- 18.6	2.5	- 21.0	- 2.0	- 3.4	6.5	22.6	6.0	Apr.
- 24.3	2.5	0.0	36.4	63.2	47.2	2.8	44.3	10.1	5.9	- 3.6	- 19.8	- 8.0	May

b) German contribution

		V. Oth	er factor	s				VI. Mo	ney stoc	k M3 (b	alance I	plus II less III les	s IV less V) 10							
				of whic	:h:					Compo	onents o	f the money sto	ck								
IV. De posits centra ernmo	of al gov-	Total		Intra- Eurosys liability, claim related banknc issue 9,	to te	Currency in circu- lation		Total		Overni		Deposits with an agreed maturity of up to 2 years	Deposits at agree notice o up to 3 months	d f	Repo transac- tions		Money market fund shares (net) 7,8		maturities with maturities of up to 2 yea (incl. money market paper)(net) 7	ars	Period
-	5.1 22.6 16.3	-	65.9 13.6 24.6	-	0.1 0.0 2.1	-	0.1 0.3 2.4		5.4 17.3 24.6		32.1 12.6 37.6	36.8 4.3 19.0	- - -	3.3 5.5 4.1	-	0.2 3.2 2.0		0.1 0.0 0.1		6.7 2.7 0.0	2022 Oct. Nov. Dec.
-	42.9 12.9 27.1	-	147.9 50.9 34.8		2.3 1.1 2.3	-	5.1 0.7 0.9	-	0.2 0.4 15.5	- - -	37.1 33.2 45.7	38.4 32.6 31.8	- - -	6.5 8.0 10.4	-	0.1 1.3 0.2	-	0.2 0.1 0.3		5.4 7.8 8.7	2023 Jan. Feb. Mar.
	39.0 11.8 9.8		86.7 2.8 8.4		1.9 2.6 1.7		0.7 0.9 1.1		6.3 6.7 0.8	- - -	11.7 6.2 29.2	25.3 18.4 36.7	- - -	10.2 10.3 10.0		0.7 0.2 0.3	-	0.2 0.1 0.0		1.9 5.1 3.6	Apr. May June
-	6.4 7.4 11.6	-	20.0 1.5 12.1		1.6 2.9 3.6		1.3 1.9 1.7	_	0.7 6.4 5.7	- - -	21.8 21.1 13.3	31.5 30.4 17.8	- - -	10.3 11.2 8.6	-	0.3 1.1 1.0		0.3 0.1 0.1	-	0.8 7.1 0.7	July Aug. Sep.
-	2.4 9.5 7.7	-	2.9 13.9 62.1		1.5 1.1 2.4	-	0.5 0.4 2.8		1.9 11.1 10.2		31.2 9.4 6.6	38.8 11.7 25.1	- - -	9.4 10.5 5.0	-	0.8 1.1 1.2	-	0.1 0.1 0.1		3.0 0.8 2.2	Oct. Nov. Dec.
-	6.7 2.3 2.0	-	108.3 0.0 2.1	-	7.4 2.4 2.9	-	3.7 0.6 0.7	-	14.3 2.7 20.3		47.5 18.3 2.8	37.6 27.1 24.9	- - -	9.1 7.4 5.8	-	3.0 1.0 1.5		0.1 0.0 0.2	-	1.4 0.3 0.3	2024 Jan. Feb. Mar.
-	2.9 3.5	-	23.7 25.9		1.8 2.4		1.5 0.4	-	9.1 26.3	-	4.4 27.2	6.1 5.0	-	5.5 4.1	-	0.3 0.3		0.2 0.1		5.2 1.7	Apr. May

of paper issued by euro area MFIs. **9** Including national banknotes still in circulation. **10** The German contributions to the Eurosystem's monetary aggregates should on no account be interpreted as national monetary aggregates and are therefore not comparable with the erstwhile German money stocks M1, M2 or M3. **11** The difference between the volume of euro banknotes actually issued by the Bundesbank and the amount disclosed in accordance with the accounting regime chosen by the Eurosystem (see also footnote 2 on banknote circulation in Table III.2).

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II. Overall monetary survey in the euro area

2. Consolidated balance sheet of monetary financial institutions (MFIs) *

		Assets									
		Lending to non	-banks (non-MFIs	in the euro are	a						
			Enterprises and	households			General govern	ment			
	Total					Shares and				Claims on non-	
End of month	assets or liabilities	Total	Total	Loans	Debt securities 2	other equities	Total	Loans	Debt securities 3	euro area residents	Other assets
montin	Euro area (lotal	Louis	securities -	equities	Total	Louis	Securities 5	residents	435613
2022 Apr.	33,569.7	21,763.8	15,253.7	12,805.3	1,597.3	851.1	6,510.1	1,011.3	5,498.8	7,063.0	4,742.9
May June	33,482.1 33,885.7	21,815.9 21,885.6	15,304.1 15,373.2	12,878.2 12,973.4	1,567.8 1,568.7	858.1 831.1	6,511.7 6,512.4	1,003.9 1,003.0	5,507.8 5,509.4	7,013.2 7,064.5	4,653.1 4,935.5
July	33,877.3	21,984.3	15,451.1	13,043.7	1,578.2	829.2	6,533.1	1,003.0	5,530.1	7,216.9	4,676.2
Aug. Sep.	34,342.9 34,619.4	21,872.4 21,901.4	15,459.5 15,558.0	13,080.1 13,191.3	1,553.7 1,544.9	825.7 821.7	6,413.0 6,343.4	996.9 998.1	5,416.1 5,345.2	7,301.6 7,241.7	5,168.9 5,476.3
Oct. Nov.	34,548.3 34,224.5	21,890.7 22,011.6	15,552.2 15,627.3	13,190.1 13,228.2	1,532.8 1,559.0	829.3 840.1	6,338.6 6,384.3	995.2 990.3	5,343.3 5,394.1	7,334.6 7,206.4	5,322.9 5,006.5
Dec.	33,866.7	21,792.5	15,515.2	13,123.9	1,556.0	835.4	6,277.3	999.1	5,278.2	6,873.4	5,200.8
2023 Jan. Feb.	33,815.3 34,097.1	21,883.8 21,862.6	15,553.4 15,545.4	13,173.2 13,159.9	1,544.6 1,541.0	835.6 844.6	6,330.3 6,317.2	1,000.3 991.3	5,330.0 5,325.9	6,983.9 7,001.6	4,947.6 5,232.9
Mar. Apr.	33,934.8 33,944.5	21,919.3 21,908.6	15,573.5 15,601.1	13,173.8 13,168.5	1,552.3 1,566.4	847.4 866.2	6,345.7 6,307.6	995.4 991.1	5,350.4 5,316.5	7,099.4 7,038.3	4,916.1 4,997.6
May June	34,136.9 34,048.4	21,908.0 21,919.4 21,915.1	15,651.0 15,637.2	13,186.0 13,182.3	1,595.6 1,584.4	869.4 870.4	6,268.4 6,277.9	995.4 988.5	5,273.0 5,289.4	7,150.8	5,066.8 5,067.3
July	34,186.7	21,915.1	15,642.2	13,182.5	1,586.3	870.4	6,224.6	988.2	5,236.4	7,153.2	5,166.6
Aug. Sep.	34,238.9 34,381.2	21,811.6 21,796.4	15,573.8 15,601.8	13,123.8 13,156.3	1,576.8 1,574.6	873.2 870.9	6,237.8 6,194.7	986.1 987.3	5,251.7 5,207.4	7,251.4 7,195.5	5,175.9 5,389.3
Oct.	34,345.9	21,755.0	15,598.6	13,167.0	1,555.6	876.0	6,156.4	984.1	5,172.3	7,262.4	5,328.4
Nov. Dec.	34,141.5 33,768.3	21,851.5 21,858.4	15,660.3 15,626.8	13,220.8 13,177.4	1,558.5 1,552.1	881.0 897.3	6,191.3 6,231.6	980.8 989.4	5,210.4 5,242.2	7,251.7 7,143.2	5,038.3 4,766.7
2024 Jan. Feb.	33,833.6 34,006.3	21,825.7 21,839.7	15,622.8 15,653.7	13,145.8 13,167.9	1,569.4 1,569.7	907.5 916.2	6,202.9 6,185.9	987.6 977.4	5,215.3 5,208.5	7,293.2 7,382.6	4,714.7 4,784.1
Mar.	34,222.6	21,914.2	15,704.4	13,208.5	1,567.2	928.6	6,209.9	976.9	5,232.9	7,546.0	4,762.5
Apr. May	34,405.0 34,369.5	21,918.4 21,895.5	15,721.9 15,720.9	13,231.2 13,232.4	1,562.4 1,559.0	928.3 929.5	6,196.5 6,174.6	980.4 977.7	5,216.1 5,196.9	7,598.3 7,641.5	4,888.2 4,832.5
	German co	ntribution (€ billion)								
2022 Apr.	8,259.4	5,278.9	4,008.0	3,481.9	240.1	286.1	1,270.9	283.2	987.7	1,464.0	1,516.5
May June	8,228.4 8,413.5	5,304.5 5,322.6	4,034.5 4,058.9	3,506.0 3,537.6	240.8 237.8	287.7 283.5	1,270.0 1,263.7	280.3 282.5	989.7 981.2	1,445.0 1,466.1	1,479.0 1,624.8
July	8,287.9 8,546.0	5,375.0 5,364.5	4,096.1 4,132.0	3,560.3 3,600.0	252.7 249.1	283.2 282.9	1,278.8 1,232.5	283.6 281.5	995.2 951.0	1,481.5 1,492.4	1,431.4 1,689.0
Aug. Sep.	8,857.6	5,356.3	4,152.0	3,624.8	245.1	283.0	1,202.4	284.3	918.1	1,502.4	1,998.8
Oct. Nov.	8,826.7 8,653.9	5,366.0 5,402.0	4,163.6 4,189.2	3,634.6 3,656.3	245.9 249.8	283.1 283.1	1,202.4 1,212.8	284.8 283.4	917.5 929.4	1,509.0 1,502.4	1,951.8 1,749.6
Dec.	8,626.1	5,345.2	4,165.8	3,636.7	245.9	283.2	1,179.4	283.2	896.1	1,417.3	1,863.7
2023 Jan. Feb.	8,561.4 8,712.0	5,377.1 5,371.7	4,178.3 4,186.6	3,652.7 3,662.2	245.9 243.6	279.7 280.9	1,198.8 1,185.1	285.0 284.0	913.9 901.1	1,443.8 1,443.9	1,740.5 1,896.4
Mar. Apr.	8,573.5 8,559.3	5,388.1 5,383.7	4,193.6 4,206.2	3,661.9 3,672.7	252.1 252.4	279.6 281.1	1,194.5 1,177.5	284.2 287.7	910.3 889.8	1,457.2 1,435.7	1,728.2 1,739.8
May June	8,614.3 8,647.9	5,389.9 5,387.4	4,217.4 4,215.9	3,685.4 3,679.0	252.1 255.5	279.9 281.4	1,172.6 1,171.5	286.1 284.2	886.4 887.4	1,468.3 1,433.5	1,756.1 1,826.9
July	8,779.6	5,390.2	4,222.0	3,685.7	255.6	280.6	1,168.3	287.2	881.1	1,439.0	1,950.5
Aug. Sep.	8,776.6 8,834.2	5,383.7 5,362.1	4,215.6 4,216.4	3,685.5 3,686.3	249.4 248.5	280.6 281.5	1,168.1 1,145.8	285.0 288.4	883.0 857.4	1,442.2 1,446.5	1,950.7 2,025.5
Oct. Nov.	8,844.5 8,661.3	5,360.6 5,385.7	4,215.5 4,228.0	3,685.5 3,697.3	247.9 248.4	282.1 282.3	1,145.1 1,157.8	291.6 289.7	853.5 868.1	1,461.4 1,446.0	2,022.6 1,829.6
Dec.	8,491.7	5,384.9	4,217.3	3,682.2	247.9	287.2	1,167.6	287.1	880.5	1,432.1	1,674.6
2024 Jan. Feb.	8,532.9 8,600.8	5,390.7 5,391.4	4,218.3 4,236.7	3,682.5 3,694.8	246.2 250.2	289.6 291.7	1,172.4 1,154.7	289.5 287.7	882.9 867.0	1,463.2 1,502.2	1,679.1 1,707.2
Mar. Apr.	8,586.9 8,673.8	5,404.4 5,380.1	4,241.0 4,235.7	3,697.7 3,697.3	246.0 244.1	297.3 294.3	1,163.4 1,144.4	289.8 293.1	873.7 851.3	1,524.9 1,544.0	1,657.5 1,749.8
May	8,654.1	5,383.0	4,248.9	3,704.9	246.6	297.4	1,134.1	291.8	842.3		1,697.7

* Monetary financial institutions (MFIs) comprise banks (including building and loan associations), money market funds, and the European Central Bank and national central banks (the Eurosystem). 1 Source: ECB. 2 Including money market paper of

enterprises. **3** Including Treasury bills and other money market paper issued by general government. **4** Euro currency in circulation (see also footnote 8 on p.12•). Excluding MFIs' cash in hand (in euro). The German contribution includes the volume of

II. Overall monetary survey in the euro area

abilities											
	Deposits of non-	banks (non-MFIs) i	n the euro area								
			Enterprises and households								
					With agreed maturities of			At agreed notice of 6			
irrency culation 4	Total	of which: in euro ⁵	Total	Overnight	up to 1 year	over 1 year and up to 2 years	over 2 years	up to 3 months	over 3 months	End	
1,520.7	15,933.5	14,522.8	14,712.1	9,555.8	705.4	123.5	1,802.0	Euro area	a (€ billion) ¹ 31.0	202	
1,528.5	15,949.6	14,569.6	14,740.8	9,597.9 9,643.8	684.9 704.8	120.2	1,802.0 1,803.2 1,800.3	2,506.6	27.9		
1,543.7	16,183.5	14,738.8	14,937.4	9,735.4	741.0	127.1	1,791.0	2,515.8	27.1		
1,539.1	16,161.1	14,793.6	14,985.4	9,754.1	781.5	125.9	1,770.0	2,526.0	28.0		
1,537.7	16,198.7	14,785.5	15,036.4	9,688.0	913.3	125.5	1,756.3	2,525.7	27.6		
1,537.2	16,095.0	14,708.1	14,936.4	9,507.1	992.6	130.1	1,741.6	2,522.9	42.1		
1,533.7	16,084.4	14,722.6	14,917.3	9,441.8	1,042.2	134.2	1,740.7	2,516.0	42.3		
1,545.3	15,996.8	14,766.2	14,929.6	9,373.7	1,099.5	133.9	1,750.1	2,530.0	42.4		
1,533.4	15,876.1	14,667.2	14,844.5	9,206.0	1,165.1	146.4	1,746.7	2,532.0	48.2	202	
1,529.9	15,842.9	14,625.3	14,773.4	9,061.7	1,225.3	157.6	1,747.0	2,531.8	49.9		
1,533.8	15,891.9	14,649.7	14,788.7	8,967.7	1,313.9	174.0	1,756.9	2,524.8	51.4		
1,537.9	15,848.9	14,650.2	14,784.8	8,918.2	1,346.2	187.9	1,765.8	2,513.9	52.8		
1,539.7	15,718.0	14,618.0	14,756.7	8,834.7	1,387.5	200.1	1,768.2	2,511.0	55.2		
1,542.7	15,760.5	14,649.9	14,755.8	8,755.6	1,455.8	218.3	1,768.4	2,499.8	58.0		
1,545.9	15,696.0	14,619.8	14,725.4	8,662.9	1,512.2	231.6	1,768.5	2,489.2	60.9		
1,538.3	15,646.8	14,595.4	14,694.0	8,578.0	1,579.2	240.9	1,765.9	2,465.1	65.0		
1,535.2	15,756.0	14,654.7	14,766.5	8,569.2	1,647.6	255.2	1,782.7	2,441.7	70.1		
1,530.8	15,636.6	14,576.9	14,702.2	8,421.3	1,736.5	275.6	1,773.4	2,420.5	74.9		
1,527.9	15,648.3	14,645.5	14,759.2	8,426.3	1,776.1	286.2	1,782.0	2,408.0	80.6		
1,541.7	15,822.6	14,816.0	14,927.5	8,489.3	1,826.8	302.1	1,795.3	2,427.3	86.7		
1,524.1	15,687.2	14,668.3	14,801.5	8,295.5	1,879.2	317.0	1,793.6	2,423.4	92.8	202	
1,523.2	15,709.3	14,689.3	14,792.0	8,241.0	1,924.1	325.3	1,790.1	2,413.7	97.8		
1,528.4	15,792.0	14,786.0	14,897.9	8,297.0	1,964.2	327.5	1,795.6	2,412.7	100.9		
1,530.9	15,779.5	14,757.1	14,898.9	8,292.0	1,977.6	328.2	1,788.1	2,409.6	103.5		
1,533.7	15,826.3	14,819.8	14,960.7	8,321.8	1,999.0	329.1	1,789.7	2,415.8	105.3		
346.7	4,445.6	4,158.1	4,019.8	2,754.8	140.0	29.4	537.7	535.1	22.7	202	
349.4	4,478.3	4,170.7	4,016.7	2,769.9	125.8	29.7	534.8	533.9	22.6		
349.9	4,517.1	4,194.6	4,031.6	2,787.1	127.8	30.1	531.9	532.3	22.4		
359.0	4,507.6	4,222.4	4,070.3	2,813.6	142.1	31.0	530.6	530.6	22.3		
371.5	4,552.6	4,289.4	4,135.2	2,870.1	153.3	30.6	530.7	528.3	22.2		
371.8	4,541.5	4,283.4 4,267.4 4,270.2	4,135.2 4,135.1 4,140.4	2,870.1 2,834.9 2,804.0	193.7	30.9 31.6	530.3	523.0 519.8	22.2		
371.5	4,578.7	4,283.7	4,146.3	2,806.0	240.1	32.1	531.0	514.4	22.6		
374.0	4,534.2	4,260.8	4,119.2	2,764.3	260.2	34.1	527.1	510.4	23.0		
368.9	4,489.3	4,257.7	4,126.0	2,749.9	286.6	36.9	529.6	499.1	24.0	202	
368.1	4,496.6	4,250.9	4,106.5	2,706.5	314.2	39.1	530.3	491.2	25.2		
369.0	4,505.7	4,236.8	4,090.4	2,667.4	336.4	42.4	536.3	481.0	26.8		
369.8	4,473.0	4,248.0	4,104.2	2,660.3	360.2	46.1	538.3	471.0	28.3		
370.7	4,469.7	4,256.0	4,103.8	2,647.5	373.8	50.3	540.9	460.8	30.5		
371.7	4,460.3	4,259.3	4,096.2	2,616.5	400.5	54.1	541.0	450.9	33.2		
373.1	4,455.4	4,259.2	4,106.1	2,603.8	426.9	57.6	540.8	440.7	36.2		
371.2	4,460.4	4,259.8	4,101.7	2,577.8	455.8	61.5	538.1	429.6	38.9		
369.4	4,448.9	4,258.5	4,104.2	2,568.6	468.0	66.2	538.5	421.1	41.8		
369.0	4,447.4	4,259.3	4,129.3	2,553.2	507.9	73.1	538.5	411.7	44.8		
368.6	4,454.3	4,281.0	4,149.1	2,561.8	515.9	79.5	542.6	401.2	48.3		
371.4	4,470.1	4,290.9	4,150.5	2,539.8	532.4	84.0	547.3	396.2	50.8		
375.1	4,448.1	4,271.5	4,150.1	2,502.4	569.5	89.5	548.1	387.2	53.4	202	
374.5	4,447.8	4,273.8	4,147.4	2,481.0	590.5	94.7	545.6	379.8	55.8		
375.2	4,475.1	4,300.5	4,166.8	2,483.2	607.5	97.0	547.6	374.1	57.4		
376.6	4,471.9	4,300.6	4,182.7	2,486.3	620.9	98.9	549.6	368.6	58.4		
377.0	4,506.1	4,331.1	4,203.7	2,501.1	626.2	100.7	552.3	364.5	58.9		

euro banknotes put into circulation by the Bundesbank in accordance with the accounting regime chosen by the Eurosystem (see also footnote 2 on banknote circulation in Table III.2). The volume of currency actually put into circulation by the

Bundesbank can be calculated by adding to this total the item "Intra-Eurosystem liability/claim related to banknote issue" (see "Other liability items"). **5** Excluding central governments' deposits. **6** In Germany, only savings deposits.

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II. Overall monetary survey in the euro area

2. Consolidated balance sheet of monetary financial institutions (MFIs) * (cont'd)

Deposits o	posits of non-banks (non-MFIs) in the euro area (cont'd)											
General go	eneral government Other general government							Repo transad	tions		Debt securities	
								with non-bai in the euro a				
				With agreed maturities of			At agreed notice of 2			1		
Central govern- ment	Total	Overnight	up to 1 year	over 1 year and up to 2 years	over 2 years	up to 3 months	over 3 months	Total	of which: Enterprises and households	Money market fund shares (net) 3	Total	o D ir ir
Euro ar	ea (€ billior	ו) ¹										
745.8 717.1	491.8	307.8 317.7	83.4 88.4	21.2 22.3	42.6 43.3	17.2 16.8	3.4 3.3	310.1 313.0	309.9 312.9	604.0 593.9	2,073.5 2,037.7	
786.9 755.9	1	326.0 303.3	90.9 100.4	22.9 24.2	43.3 42.9	16.2 16.2	3.2 3.3	281.2 306.0	281.1 305.9	592.9 590.8	2,068.9 2,090.6	
675. 683.	5 500.1	309.7 282.0	104.6	24.2 24.0 24.5	42.5	16.1 16.0	3.2 3.2 3.2	283.8 264.8	283.7 264.7	597.5 589.1	2,113.5	
678.	480.5	287.5	109.2	24.3	41.5	14.7	3.2	268.2	268.2	625.8	2,129.7	
668.: 583.!		306.5 296.2	109.2 103.6	25.1 27.2	40.8 40.2	14.2 13.5	3.2 3.0	294.8 247.7	294.8 247.7	648.0 650.9	2,159.0 2,166.2	
550.0 570.9	498.6	283.2 297.5	113.2 115.2	27.5 28.7	40.6 40.3	12.8 13.2	3.7 3.7	283.3 281.6	283.3 281.5	657.7 651.3	2,204.8 2,259.2	
602.4 575.3	1	288.6 278.5	125.8 123.3	28.4 29.7	39.6 39.4	14.7 14.2	3.7 3.7	255.3 261.7	255.2 261.3	672.0 683.4	2,257.0 2,253.1	
470. 495.		277.9 288.6	126.7 134.7	29.3 29.4	39.4 39.3	13.8 13.8	3.6 3.6	291.9 280.4	287.8 280.3	685.0 678.8	2,298.9 2,312.7	
466.0 446.0		281.7 283.2	137.7 138.6	28.4 28.0	39.4 39.6	13.9 13.8	3.6 3.5	284.1 288.9	283.4 288.9	689.4 698.0	2,402.1 2,419.3	
481.2 452.2	1	285.3 266.6	136.7 131.0	29.3 28.5	39.7 39.2	13.8 13.1	3.4 3.3	281.7 306.8	281.7 306.6	697.3 716.2	2,442.9 2,501.6	
404.4	484.6	200.0 274.9 265.6	127.5 128.4	28.3	38.9 38.6	13.0	3.2 3.1	328.5 320.5	328.4 320.5	733.2	2,497.5	
437. 446.	448.4	238.5 260.7	127.8	28.4	37.5 38.1	12.2	4.0	345.4 348.0	343.4 347.2	777.5	2,534.9 2,545.8	
419.0	5 474.5	258.7	135.5	26.9	37.7	12.0	3.7	372.0	371.2	781.9	2,569.9	
442. 418.		232.4 244.3	129.8 127.8	22.6 22.2	37.7 37.8	11.8 11.6	3.7 3.6	378.6 374.8	372.2 366.0	804.7 784.9	2,600.7 2,585.2	
Germar	contributi	on (€ billi	on)									
167.0 190.		137.6 144.2	70.0 75.3	17.6 18.5	30.6 31.1	2.2 2.2	0.2	4.4 4.8	4.4 4.8	2.2 2.4	596.5 596.8	
205.0 166.8	1	147.7 128.3	80.5 89.0	19.0 20.2	31.0 30.6	2.2 2.2	0.1	5.4 9.8	5.4 9.8	2.3 2.4	604.2 613.8	
142. 147.4	274.6	129.4 109.0	92.2 96.6	20.4 20.8	30.4 30.3	2.2	0.1	8.0 5.4	8.0 5.4	2.3 2.4	625.7 640.0	
152.! 175.!		108.1 114.7	93.1 88.9	20.5 21.5	30.1 29.8	2.1 1.9	0.1 0.1	5.2 8.3	5.2 8.3	2.5 2.5	633.9 634.2	
159.2	2 255.8	117.3	83.2	23.9	29.6	1.8	0.1	6.3	6.3	2.6	631.2	
116.4 129.3 156.4	3 260.8	99.4 110.3 102.2	92.2 94.6 101.4	23.8 24.6 24.1	29.8 29.7 29.6	1.6 1.5 1.4	0.1 0.1 0.1	6.1 7.5 7.2	6.1 7.5 7.2	2.4 2.3 2.6	639.6 651.5 658.0	
117.4	1 251.4	97.3	97.8	25.4	29.5	1.3	0.1	7.9	7.9	2.7	654.9	
105.0 95.9	268.2	104.8 106.1	99.5 106.5	25.0 24.9	29.7 29.5	1.2 1.1	0.1 0.1	7.7 7.3	7.7 7.3	2.6 2.6	670.6 671.6	
89.! 96.8	3 261.9	96.6 100.9	109.1 107.1	23.7 23.3	29.5 29.6	0.9	0.1	7.6 8.7	7.6 8.7	2.9 3.0	679.9 688.8	
85.3 82.8	1	97.5 81.6	107.0 99.3	24.5 24.1	29.6 29.4	0.8	0.1	7.8 8.5	7.8 8.5	3.0 2.9	705.6 713.0	
73.: 81.	3 231.8	81.2 84.9	97.7 100.3	22.7 23.9	29.2 28.6	0.7 0.7	0.1 0.1	9.6 8.4	9.6 8.4	3.0 3.2	706.2 699.9	
74.4 72.0		75.5 78.6	95.6 98.8	24.0 21.6	27.8 28.6	0.7 0.6	0.1 0.1	11.4 12.4	11.4 12.4	3.3 3.3	717.4 727.1	
74.(71.:	234.4	79.3 72.0	103.5 97.9	22.5 19.3	28.3 28.2	0.6 0.6	0.1	11.0 10.6	10.9 10.6	3.5 3.7	727.8 737.0	
74.			96.1		28.2		0.1	10.3		3.8		

* Monetary financial institutions (MFIs) comprise banks (including building and loan associations), money market funds, and the European Central Bank and national central banks (the Eurosystem). 1 Source: ECB. 2 In Germany, only savings deposits. 3 Excluding holdings of MFIs; for the German contribution, excluding German MFIs' portfolios of securities issued by MFIs in the euro area. 4 In Germany, bank debt securities with maturities of up to one year are classed as money market paper.

5 Excluding liabilities arising from securities issued. **6** After deduction of inter-MFI participations. **7** The German contributions to the Eurosystem's monetary aggregates should on no account be interpreted as national monetary aggregates and are therefore not comparable with the erstwhile German money stocks M1, M2 or M3. 8 Including DEM banknotes still in circulation (see also footnote 4 on p. 10⁹). **9** For the German contribution, the difference between the volume of euro banknotes

II. Overall monetary survey in the euro area

								Memo item:					
issued (net) 3	l					Other liability	/ items		igregates 7 German contril rency in circula				
With maturit	ies of						of which: Intra- Eurosystem-					Monetary liabilities of central	
up to 1 year 4	over 1 year and up to 2 years	over 2 years	Liabilities to non- euro area residents 5	Capital and reserves 6	Excess of inter-MFI liabilities	Total 8	liability/ claim related to banknote issue 9	M1 10	M2 11	M3 12	Monetary capital forma- tion 13	govern- ments (Post Office, Treasury) 14	End of month
										Ει	ıro area (€	billion) ¹	
39.0	16.2	2,018.2	5,747.9	2,979.2	- 2.1	4,402.9	0.0	11,557.8	15,026.8	15,811.5	6,876.5	197.5	2022 Apr.
34.0	15.6	1,988.1	5,795.4	2,915.9	16.2	4,332.0	0.0	11,619.4	15,082.6	15,856.6	6,781.6	199.3	May
47.8	14.4	2,006.6	5,719.5	2,905.3	26.4	4,656.6	0.0	11,680.1	15,173.2	15,943.0	6,786.4	199.6	June
15.1	16.4	2,059.1	5,863.1	2,970.9	8.3	4,320.5	0.0	11,762.6	15,311.3	16,066.2	6,894.3	204.2	July
16.7	19.0	2,077.8	5,915.0	2,890.6	34.5	4,807.9	0.0	11,776.2	15,378.0	16,137.5	6,812.1	197.0	Aug.
34.9	19.5	2,099.1	5,899.0	2,845.2	16.9	5,114.7	0.0	11,681.6	15,419.9	16,180.2	6,773.7	196.2	Sep.
3.8	24.0	2,102.0	6,038.8	2,819.4	38.2	4,996.0	0.0	11,505.4	15,322.1	16,100.0	6,749.8	196.4	Oct.
23.7	22.8	2,112.5	5,881.3	2,857.4	66.3	4,699.5	0.0	11,459.9	15,323.0	16,151.7	6,796.8	200.1	Nov.
31.7	23.2	2,111.2	5,553.5	2,820.5	58.0	4,827.9	0.0	11,381.7	15,315.5	16,131.8	6,767.5	192.7	Dec.
17.6	27.8	2,159.4	5,636.6	2,862.7	86.0	4,674.6	0.0	11,192.9	15,211.1	16,042.8	6,861.4	191.6	2023 Jan.
47.0	30.4	2,181.8	5,670.8	2,811.6	79.8	4,970.0	0.0	11,060.3	15,153.2	16,008.8	6,834.3	192.2	Feb.
54.0	30.4	2,172.6	5,657.4	2,893.9	82.5	4,691.0	0.0	10,949.5	15,154.1	16,013.5	6,918.2	182.5	Mar.
50.1	32.9	2,170.0	5,633.4	2,886.1	110.4	4,729.6	0.0	10,894.5	15,132.7	16,007.4	6,917.8	182.9	Apr.
56.0	32.8	2,210.1	5,722.1	2,908.9	155.5	4,817.0	0.0	10,807.7	15,099.1	15,990.6	6,985.4	178.5	May
49.8	33.0	2,229.9	5,584.4	2,886.3	147.2	4,855.3	0.0	10,742.3	15,116.8	15,989.8	6,985.6	178.0	June
47.0	34.0	2,321.1	5,594.1	2,909.1	102.5	4,963.5	0.0	10,648.3	15,083.9	15,984.3	7,102.6	180.5	July
50.1	33.3	2,335.8	5,656.5	2,928.1	122.1	4,940.9	0.0	10,553.8	15,042.0	15,946.1	7,138.0	176.9	Aug.
45.1	36.4	2,361.4	5,541.0	2,889.0	113.5	5,124.6	0.0	10,547.2	15,094.2	16,001.0	7,146.4	180.3	Sep.
54.5	36.6	2,410.5	5,511.8	2,922.3	121.7	5,098.1	0.0	10,375.9	15,003.5	15,954.5	7,223.6	179.6	Oct.
45.2	35.9	2,416.4	5,446.4	2,951.3	165.3	4,843.2	0.0	10,387.7	15,047.8	16,020.2	7,272.5	180.8	Nov.
46.0	34.8	2,409.9	5,299.3	3,018.4	56.1	4,472.4	0.0	10,446.0	15,199.4	16,192.2	7,351.9	177.4	Dec.
40.6	36.1	2,458.2	5,334.6	2,998.2	105.8	4,526.0	0.0	10,212.3	15,026.4	16,060.2	7,384.2	180.3	2024 Jan.
33.7	36.3	2,475.8	5,447.5	2,960.5	99.1	4,606.7	0.0	10,181.6	15,039.0	16,057.8	7,366.1	182.7	Feb.
22.5	40.1	2,507.3	5,482.7	3,025.3	106.6	4,563.9	0.0	10,239.5	15,142.8	16,181.3	7,470.5	179.9	Mar.
28.3 17.4	39.5 42.5	2,532.9 2,525.4	5,462.7 5,464.8	3,030.8 3,033.1	107.5 103.8	4,709.6 4,662.9	0.0 0.0	10,222.5 10,266.6		16,209.6 16,252.4		187.4 186.8	Apr. May
		5740				1 2 225 C					itribution		2022.4
14.6 14.9 18.7	7.1 7.3 6.6	574.8 574.6 578.9	1,284.0 1,307.0 1,317.0	748.6 743.1	- 1,168.1 - 1,199.2 - 1,255.4	2,325.6 2,289.8 2,479.8	523.3 526.8 530.5	2,892.4 2,914.0 2,934.8	3,686.8 3,699.5 3,726.6	3,715.1 3,728.9 3,759.7	1,935.2 1,911.8 1,907.5	0.0 0.0 0.0	2022 Apr. May June
21.2	6.8	585.8	1,287.5	779.7	- 1,189.6	2,276.7	525.2	2,941.9	3,757.1	3,797.3	1,949.2	0.0	July
21.8	7.6	596.2	1,349.3	739.6	- 1,271.6	2,540.1	513.5	2,999.5	3,826.5	3,866.3	1,919.1	0.0	Aug.
27.5	8.1	604.3	1,385.2	711.9	- 1,287.1	2,858.3	516.8	2,944.0	3,811.2	3,854.6	1,899.2	0.0	Sep.
19.1	9.7	605.0	1,355.1	693.8	- 1,215.2	2,804.7	516.8	2,912.1	3,812.3	3,848.8	1,880.8	0.0	Oct.
20.8	11.2	602.2	1,310.2	714.6	- 1,191.2	2,596.7	516.8	2,920.8	3,819.7	3,862.5	1,900.3	0.0	Nov.
20.2	11.7	599.3	1,265.7	690.1	- 1,230.4	2,726.5	518.9	2,881.6	3,795.1	3,835.9	1,869.2	0.0	Dec.
24.0	13.1	602.4	1,226.5	689.1	- 1,117.5	2,625.9	521.2	2,849.3	3,789.5	3,835.2	1,874.9	0.0	2023 Jan.
29.3	15.8	606.4	1,171.8	668.4	- 1,073.2	2,787.2	522.2	2,816.8	3,782.0	3,836.8	1,860.1	0.0	Feb.
36.2	17.5	604.3	1,188.0	700.6	- 1,129.7	2,641.2	524.5	2,769.6	3,756.4	3,819.8	1,897.7	0.0	Mar.
37.0	18.5	599.4	1,107.1	704.2	- 1,028.5	2,637.8	526.4	2,757.6	3,759.4	3,825.5	1,899.8	0.0	Apr.
41.2	19.5	609.9	1,122.5	715.6	- 1,036.9	2,662.4	529.0	2,752.3	3,762.8	3,833.9	1,926.7	0.0	May
44.6	19.2	607.9	1,099.9	709.8	- 1,026.8	2,723.1	530.7	2,722.6	3,760.6	3,834.2	1,921.6	0.0	June
44.5	19.9	615.4	1,070.7	724.0	- 996.4	2,835.7	532.2	2,700.4	3,759.3	3,834.2	1,946.1	0.0	July
51.0	20.6	617.2	1,044.4	734.2	- 998.8	2,835.9	535.1	2,678.7	3,756.9	3,840.1	1,958.1	0.0	Aug.
48.5	22.6	634.5	1,048.4	722.8	- 1,000.9	2,898.6	538.7	2,666.2	3,753.7	3,835.5	1,967.4	0.0	Sep.
49.7	24.4	639.0	1,035.9	735.9	- 998.0	2,898.7	540.2	2,634.8	3,751.7	3,837.2	1,987.9	0.0	Oct.
49.6	23.6	633.1	1,012.0	753.5	- 983.0	2,705.7	541.3	2,643.0	3,760.7	3,846.5	2,006.8	0.0	Nov.
45.9	25.0	629.0	1,016.2	778.6	- 1,034.8	2,550.2	543.7	2,624.7	3,762.2	3,844.6	2,034.5	0.0	Dec.
46.9	25.6	645.0	967.8	758.4	- 959.8	2,586.3	536.2	2,577.9	3,744.3	3,831.5	2,032.8	0.0	2024 Jan.
46.4	26.4	654.4	1,024.7	731.1	- 992.0	2,646.3	538.6	2,559.6	3,745.7	3,834.2	2,015.6	0.0	Feb.
45.7	26.7	655.4	1,022.6	744.6	- 988.1	2,590.4	541.5	2,562.4	3,767.6	3,854.5	2,033.5	0.0	Mar.
40.9 39.6	•	•	•	•	- 986.5	2,676.0 2,623.5	543.3 545.7	•	•	•		0.0 0.0	

actually issued by the Bundesbank and the amount disclosed in accordance with the accounting regime chosen by the Eurosystem (see also footnote 2 on banknote circulation in Table III.2). **10** Overnight deposits (excluding central governments' deposits), and (for the euro area) currency in circulation, central governments' overnight monetary liabilities, which are not included in the consolidated balance sheet. **11** M1 plus deposits with agreed maturities of up to two years and at agreed

notice of up to three months (excluding central governments' deposits) and (for the euro area) central governments' monetary liabilities with such maturities. **12** M2 plus repo transactions, money market fund shares, money market paper and debt securities up to two years. **13** Deposits with agreed maturities of over two years and at agreed notice of over three months, debt securities with maturities of over two years, capital and reserves. **14** Non-existent in Germany.

II. Overall monetary survey in the euro area

Banking systems liquidity position * Stocks

€ billion; period averages of daily positions

		u averages of u	any positions									
	Liquidity-provi	ding factors				Liquidity-abso	rbing factors					
		Monetary poli	cy operations o	f the Eurosyste	m						Credit	
Reserve maintenance period ending in 1	Net assets in gold and foreign currency	Main refinancing operations	Longer- term refinancing operations	Marginal lending facility	Other liquidity- providing operations 3	Deposit facility	Other liquidity- absorbing operations 4	Banknotes in circulation 5	Central government deposits	Other factors (net) 6	institutions` current account balances (including minimum reserves) 7	Base money 8
	Eurosyste	m 2										
2022 June	934.2	0.5	2,198.8	0.0	4,939.1	681.3	0.0	1,591.5	624.1	1,129.1	4,046.1	6,319.0
July	943.7	1.0	2,149.4	0.0	4,958.8	678.7	0.0	1,604.0	667.6	1,158.0	3,943.3	6,226.0
Aug. Sep.	950.1	1.7	2,124.9	0.0	4,954.8	707.0	0.0	1,585.3	553.9	1,249.2	3,936.1	6,228.5
Oct. Nov. Dec.	955.8 960.4	4.0 1.9	2,118.8 1,947.1	0.0 0.0	4,948.3 4,946.1	4,490.0 4,521.5	0.0 0.0	1,563.7 1,560.8	536.7 492.5	1,104.4 1,066.9	332.0 213.8	6,385.7 6,296.2
2023 Jan. Feb. Mar.	940.4 916.8	1.2 0.9	1,303.3 1,233.3	0.1 0.0	4,942.1 4,939.0	4,051.6 4,103.0	0.0 0.0	1,565.6 1,553.9	372.8 380.2	1,001.6 861.8	195.6 191.1	5,812.7 5,848.0
Apr. May June	945.0 948.2	1.4 1.6	1,117.7 1,100.5	0.1 0.1	4,905.6 4,884.1	3,996.1 4,126.4	0.0 0.0	1,559.8 1,563.7	360.6 256.4	870.5 806.6	182.7 181.6	5,738.6 5,871.7
July Aug.	927.8	10.9	682.0	0.1	4,853.0	3,704.4	0.0	1,567.0	254.4	770.5	177.4	5,448.9
Sep. Oct.	924.3 931.2	5.6 8.1	601.0 515.4	0.1 0.1	4,811.2 4,767.9	3,647.4 3,577.4	0.0	1,564.2 1,554.7	222.5 222.7	733.8 693.3	174.3 174.6	5,386.0 5,306.7
Nov. Dec.	933.3	. 7.3	495.9	0.1 0.0	4,707.9	3,548.8	0.0 0.0	1,554.7		685.3	174.0	5,271.9
2024 Jan.	958.3	7.9	396.2	0.0	4,715.0	3,3487.4	0.0	1,556.7	168.4	666.3	172.0	5,214.6
Feb. Mar.	966.5	4.8		. 0.0	4,646.4	3,490.9	. 0.0	1,543.2	168.5	. 643.8	168.6	5,202.7
Apr.	1,002.8	2.8	249.4	0.0	4,599.5	3,337.9	0.0	1,546.1	137.8	664.3	168.4	5,052.3
May June	1,031.7	2.5	149.1	0.0	4,550.7	3,214.0	0.0	1,551.5	119.5	682.3	166.7	4,932.1
	Deutsche	Bundesbar	nk	•								
2022 June	230.4	0.1	420.2	0.0	1,087.4	189.9	0.0	388.0	196.9	- 183.1	1,147.4	1,725.3
July	231.7	0.3	409.1	0.0	1,084.3	185.8	0.0	390.3	214.9	- 175.4	1,109.7	1,685.8
Aug. Sep.	. 232.1	0.3	403.6	0.0	1,076.8	228.5	0.0	379.5	157.9	- 161.8	1,108.8	1,716.8
Oct. Nov. Dec.	231.7 232.4	0.8 0.5	400.5 352.5	0.0 0.0	1,071.5 1,079.2	1,304.0 1,346.6	0.0 0.0	379.0 378.8	127.2 121.0	- 231.4 - 242.4	125.9 60.5	1,808.8 1,785.9
2023 Jan. Feb. Mar.	229.8 228.9	0.4 0.4	231.9 212.8	0.1	1,076.8 1,077.0	1,234.6 1,263.7	0.0 0.0	377.2 374.5	77.8 69.2	- 205.4 - 242.5	54.8 54.2	1,666.7 1,692.4
Apr. May	239.2	0.7	200.2	0.1	1,066.1	1,228.0	0.0	375.7	73.4	- 221.1	50.1	1,653.9
June July Aug.	241.7 236.2	0.7 1.5	198.9 142.4	0.1 0.1	1,056.8 1,048.8	1,256.3 1,175.5	0.0 0.0	377.2 377.5	54.7 49.9	- 241.8 - 222.5	52.0 48.4	1,685.4 1,601.5
Sep.	234.5	0.8	131.2	0.1	1,041.3	1,177.8	0.0	377.3	40.1	- 235.4	48.0	1,603.1
Oct. Nov.	235.7	1.3	96.3	0.0	1,024.0	1,151.1	0.0	374.9	28.7	- 245.4	47.9	1,574.0
Dec.	236.8	0.7	89.2	0.0	1,016.7	1,171.3	0.0	373.5	18.9	- 267.7	47.3	1,592.1
2024 Jan. Feb.	243.9	0.9	69.5	0.1	1,005.8	1,127.3	0.0	379.3	19.8	- 253.3	47.0	1,553.6
Mar.	246.5	0.7	69.3	0.0	996.7	1,164.4	0.0	379.2	16.3	- 293.4	46.7	1,590.3
Apr. May	257.8	0.7	40.4	0.0	983.5	1,122.4	0.0	379.4	17.1	- 282.5	45.9	1,547.7
June	265.9	0.6	21.3	0.0	970.0	1,102.8	0.0	380.9	13.5	- 285.8	46.3	1,530.0
	Discrepancies	mav arise from	n roundina.* '	The banking sv	/stem's liauidit	v position is	are available	e in such case	s. 2 Source: E	CB. 3 Includes	liquidity provi	ded under the

Discrepancies may arise from rounding. * The banking system's liquidity position is defined as the current account holdings in euro of euro area credit institutions with the Eurosystem. Amounts are derived from the consolidated financial statement of the Eurosystem and the financial statement of the Bundesbank. **1** Figures are daily averages for the reserve maintenance period ending in the month indicated. Following the changeover in the frequency of Governing Council monetary policy meetings to a six-week cycle, a reserve maintenance period no longer ends in every month. No figures

are available in such cases. **2** Source: ECB. **3** Includes liquidity provided under the Eurosystem's asset purchase programmes. **4** From August 2009 includes liquidity absorbed as a result of the Eurosystem's foreign exchange swap operations. **5** From 2002 euro banknotes and other banknotes which have been issued by the national central banks of the Eurosystem and which are still in circulation. In accordance with the accounting procedure chosen by the Eurosystem for the issue of euro banknotes, a share of 8% of the total value of the euro banknotes in circulation is

II. Overall monetary survey in the euro area

Flows

Liquidity	y-provi	iding fac	tors						Liquidi	ty-abso	rbing fac	tors]
		Moneta	ary pol	icy operations of	of the Eur	osyste	m													
Net asse in gold and fore currency	eign	Main refinan operati		Longer- term refinancing operations	Margina lending facility	al	Other liquidit providi operati	ng	Depos facility		Other liquidity absorbin operatio	ng	Bankno in circulat		Central government deposits	Other factors (net) 6		Credit institutions' current account balances (including minimum reserves) 7	Base money 8	Reserve maintenance period ending in 1
																		Eu	rosystem ²	:
+	21.0	+	0.1	- 1.0	+ ±	0.0	+	49.9	-	33.6	±	0.0	+	15.6	- 43.7	+	12.4	+ 118.8	+ 100.9	2022 June
+ +	9.5 6.4	++++	0.5 0.7	- 49.4 - 24.5	± ±	0.0 0.0	+ _	19.7 4.0	-+	2.6 28.3	± ±	0.0 0.0	+ _	12.5 18.7	+ 43.5 -113.7	+++	28.9 91.2	- 102.8 - 7.2		Aug.
+ +	5.7 4.6	+	2.3 2.1	- 6.1 - 171.7	± ±	0.0 0.0	-	6.5 2.2	+3	,783.0 31.5	± ±	0.0 0.0	-	21.6 2.9	- 17.2 - 44.2	-	144.8 37.5	-3,604.1 - 118.2	+ 157.2 – 89.5	
-	20.0	-	0.7	- 643.8	+	0.1	-	4.0	-	469.9	±	0.0	+	4.8	-119.7	-	65.3	- 18.2	- 483.5	2023 Jan. Feb.
+	23.6 28.2	+	0.3 0.5	- 70.0 - 115.6	-+	0.1 0.1	-	3.1 33.4		51.4 106.9	± ±	0.0 0.0	-+	11.7 5.9	+ 7.4 - 19.6	+	139.8 8.7	- 8.4	- 109.4	
+	3.2 20.4	+ +	0.2 9.3	- 17.2 - 418.5	± ±	0.0 0.0	-	21.5 31.1		130.3 422.0	±	0.0 0.0	+++++++++++++++++++++++++++++++++++++++	3.9 3.3	-104.2 - 2.0	-	63.9 36.1	- 1.1 - 4.2	+ 133.1 - 422.8	June July Aug.
- +	3.5 6.9	-+	5.3 2.5	- 81.0 - 85.6	± ±	0.0 0.0	-	41.8 43.3	-	57.0 70.0	± ±	0.0 0.0	-	2.8 9.5	- 31.9 + 0.2	-	36.7 40.5	- 3.1 + 0.3	- 62.9 - 79.3	Sep. Oct.
+	2.1	-	0.8	- 19.5	-	0.1	-	52.9	-	28.6	±	0.0	-	3.6	- 28.6	-	8.0	- 2.6	- 34.8	Nov. Dec.
+	25.0	+	0.6	- 99.7	+	0.1	-	28.2	-	61.4	±	0.0	+	5.6	- 25.7	-	19.0	- 1.5	- 57.3	2024 Jan. Feb.
+	8.2	-	3.1	+ 1.1	-	0.1	-	40.4	+	3.5	±	0.0	-	13.5	+ 0.1	-	22.5	- 1.9	- 11.9	
+	36.3	-	2.0	- 147.9	±	0.0	-	46.9	-	153.0	±	0.0	+	2.9	- 30.7	+	20.5	- 0.2	- 150.4	Apr. May
+	28.9	-	0.3	- 100.3	±	0.0	-	48.8	-	123.9	±	0.0	+	5.4	- 18.3	+	18.0	- 1.7		1
																	D	eutsche B	undesbank	
+	6.6	+	0.1	- 0.6	-	0.0	+	18.7	-	7.7	±	0.0	+	3.0	+ 0.2	+	6.0	+ 24.1	+ 19.4	2022 June
+	1.3	+	0.2	- 11.1	-	0.0	-	3.1	-	4.1	±	0.0	+	2.4	+ 18.0	+	7.7	- 37.7	- 39.5	July Aug.
+	0.4	+	0.0	- 5.5	-	0.0	-	7.5	+	42.7	±	0.0	-	10.8	- 57.1	+	13.5	- 0.9	+ 31.0	Sep.
- +	0.5 0.7	+ -	0.5 0.4	- 3.1 - 48.0	+++	0.0 0.0	-+	5.3 7.7	+1+	,075.5 42.7	± ±	0.0 0.0	-	0.6 0.1	- 30.7 - 6.2	-	69.6 11.0	- 982.9 - 65.4		
-	2.5 1.0	-+	0.1 0.0	- 120.6 - 19.1	+ -	0.1 0.0	-+	2.4 0.2	- +	112.0 29.1	± ±	0.0 0.0	-	1.6 2.7	- 43.2 - 8.6	+ -	37.0 37.1	- 5.6 - 0.7	- 119.3 + 25.7	2023 Jan. Feb. Mar.
+ +	10.3 2.6	+++	0.2 0.1	- 12.7 - 1.3	++++	0.0 0.0	-	11.0 9.3	-+	35.7 28.3	± ±	0.0 0.0	+++	1.2 1.4	+ 4.1 - 18.7	+ _	21.4 20.7	- 4.1 + 1.9		
-	5.6 1.7	+ -	0.8 0.7	- 56.5 - 11.2	-+	0.0 0.0	-	8.0 7.5	-+	80.8 2.3	± ±	0.0 0.0	+	0.4 0.2	- 4.7 - 9.8	+ _	19.3 13.0	- 3.5 - 0.4		
+	1.2	+	0.5	- 35.0	-	0.0	-	17.3	-	26.7	±	0.0	-	2.4	- 11.5	-	9.9	- 0.0	- 29.1	Oct. Nov.
+	1.1	-	0.6	- 7.1	-	0.0	-	7.3	+	20.1	±	0.0	-	1.4	- 9.8	-	22.3	- 0.7	+ 18.1	Dec.
+	7.1	+	0.2	- 19.7	+	0.0	-	10.9	-	44.0	±	0.0	+	5.8	+ 0.9	+	14.3	- 0.3	- 38.5	2024 Jan. Feb.
+	2.6	-	0.2	- 0.2	-	0.0	-	9.0	+	37.2	±	0.0	-	0.2	- 3.5	-	40.1	- 0.3	+ 36.7	Mar.
+	11.3	+	0.0	- 28.9	-	0.0	-	13.3	-	42.0	±	0.0	+	0.3	+ 0.7	+	10.9	- 0.8	- 42.6	Apr. May
+	8.1	-	0.1	- 19.2	-	0.0	-	13.4	- 1	19.6	±	0.0	+	1.5	- 3.5	- 1	3.2	+ 0.4	- 17.7	

allocated to the ECB on a monthly basis. The counterpart of this adjustment is shown under "Other factors". The remaining 92% of the value of the euro banknotes in circulation is allocated, likewise on a monthly basis, to the NCBs, with each NCB showing in its balance sheet the share of the euro banknotes issued corresponding to its paid-up share in the ECB's capital. The difference between the value of the euro banknotes allocated to an NCB and the value of the euro banknotes which that NCB has put into circulation is likewise shown under "Other factors". From 2003 euro

banknotes only. **6** Remaining items in the consolidated financial statement of the Eurosystem and the financial statement of the Bundesbank. **7** Equal to the difference between the sum of liquidity-pro viding factors and the sum of liquidity-absorbing factors. **8** Calculated as the sum of the "Deposit facility", "Banknotes in circulation" and "Credit institutions' current account balances".

III.Consolidated financial statement of the Eurosystem

1. Assets *

		€ billion								
				Claims on non-eur in foreign currency	o area residents der /	nominated		Claims on non-euro a residents denominat		
As at reporting date		Total assets	Gold and gold receivables	Total	Receivables from the IMF	Balances with banks, security investments, external loans and other external assets	Claims on euro area residents denominated in foreign currency	Total	Balances with banks, security investments and loans	Claims arising from the credit facility under ERM II
		Eurosystem 1								
2023 Dec.	22 29	6,987.4 6,899.2 6,935.5	613.3 613.3 649.1	507.6 507.9 499.6	234.1 233.7 229.0	273.5 274.2 270.6	14.2 15.4 13.9	15.0 14.9 20.1	15.0 14.9 20.1	
2024 Jan.	5 12 19 26	6,919.8 6,923.7 6,889.3 6,887.6	649.1 649.1 649.1 649.1	499.9 498.7 498.8 499.1	229.5 229.2 229.1 229.6	270.5 269.5 269.6 269.5	13.3 15.0 14.5 14.9	15.3 15.7 15.2 15.8	15.3 15.7 15.2 15.8	
Feb.	2 9 16 23	6,865.4 6,861.4 6,842.7 6,830.9	649.1 649.1 649.1 649.1	499.5 499.6 500.4 500.8	230.0 229.9 229.9 229.9 229.9	269.5 269.7 270.5 270.9	14.7 14.7 14.5 14.6	16.0 15.0 15.4 16.1	16.0 15.0 15.4 16.1	
Mar.	1 8 15 22	6,820.0 6,813.2 6,815.6 6,810.0	649.1 649.1 649.1 649.1	501.3 499.9 501.4 498.2	229.8 229.6 229.6 229.1	271.5 270.3 271.8 269.1	13.8 15.1 13.9 15.7	15.1 15.4 15.6 15.7	15.1 15.4 15.6 15.7	- - - -
Apr.	29 5 12 19	6,619.7 6,585.3 6,596.7 6,593.2	711.2 711.2 711.2 711.1	504.7 506.1 505.5 505.4	231.5 231.5 231.4 231.3	273.2 274.7 274.1 274.1	15.1 14.1 14.9 14.8	15.9 15.7 16.6 16.2	15.9 15.7 16.6 16.2	
May	26 3 10 17	6,598.9 6,582.1 6,581.0 6,562.4	711.1 711.1 711.1 711.1 711.1	505.0 505.6 505.4 505.7	231.7 231.6 232.1 232.2	273.3 273.9 273.2 273.5	15.3 15.1 15.3 15.1	16.4 16.6 16.3 17.0	16.4 16.6 16.3 17.0	
June	24 31 7	6,577.7 6,560.7 6,541.6 6,534.5	711.1 711.1 711.1 711.1	506.6 506.7 507.3 507.1	232.2 232.6 232.6	274.4 274.2 274.8 274.7	14.6 13.8 14.3	17.7 16.8 17.2	17.7 16.8 17.2 16.5	
July	14 21 28 5	6,536.8 6,522.0 6,497.7	711.1 711.1 757.5 757.5	507.1 506.1 510.2 510.2	232.4 232.4 232.4 232.4 232.4	274.7 273.8 277.8 277.8	14.6 15.5 14.1 15.0	16.5 17.1 17.0 16.9	17.1 17.0 16.9	
		Deutsche Bu	l ndochank				1	1	1	1 1
2023 Dec.	15	2,512.8	190.2	92.9	58.9	34.0	0.0			
2024 Jan.	22 29 5	2,490.5 2,536.2 2,501.5	190.2 201.3 201.3	92.6 90.9 90.4	58.7 57.5 58.0	33.9 33.4 32.3	0.0 0.0 0.0	5.2 0.4	5.2 0.4	
	12 19 26	2,513.7 2,483.0 2,497.5	201.3 201.3 201.3	90.0 90.3 90.5	57.7 57.7 57.8	32.3 32.6 32.8	0.0 0.0 0.0	0.6 0.1 0.5	0.6 0.1 0.5	
Feb.	2 9 16 23	2,512.4 2,508.1 2,518.7 2,500.9	201.3 201.3 201.3 201.3	90.9 91.2 91.6 92.3	57.9 57.9 57.8 57.6	33.0 33.3 33.9 34.7	0.0 0.0 0.0 0.0	0.7 0.9 1.4 1.9	0.7 0.9 1.4 1.9	
Mar.	1 8 15 22 29	2,504.7 2,496.1 2,481.0 2,478.2 2,447.7	201.3 201.3 201.3 201.3 201.3 220.6	92.2 91.8 91.8 91.5 92.2	57.5 57.5 57.5 57.5 57.5 57.8	34.6 34.3 34.3 34.0 34.3	0.0 0.0 0.0 0.0 0.0	0.9 1.2 1.3 1.1 0.8	0.9 1.2 1.3 1.1 0.8	- - - - -
Apr.	5 12 19 26	2,448.6 2,439.1 2,423.9 2,413.4	220.6 220.6 220.5 220.5	91.9 91.9 92.6 92.1	57.8 57.8 57.8 57.8 57.8	34.1 34.1 34.8 34.4	0.0 0.0 0.0 0.0	0.8 1.2 0.8 0.4	0.8 1.2 0.8 0.4	- - -
May	3 10 17 24 31	2,446.6 2,458.4 2,442.2 2,461.4 2,425.5	220.5 220.5 220.5 220.5 220.5 220.5	92.1 92.1 91.5 91.7 92.0	57.9 57.9 57.9 57.9 58.2	34.2 34.2 33.6 33.8 33.8	0.0 0.0 0.0 0.0 0.0	1.0 0.6 1.2 1.7 1.0	1.0 0.6 1.2 1.7 1.0	- - - - -
June	7 14 21 28	2,439.1 2,420.5 2,436.8 2,447.3	220.5 220.5 220.5 234.9	92.2 92.4 92.4 93.3	58.2 58.2 58.2 58.2 58.2	34.0 34.2 34.2 35.1	0.0 0.0 0.0 0.0	0.9 0.1 0.4 0.4	0.9 0.1 0.4 0.4	- - - -
July	5	2,466.7	234.9	93.2	58.1	35.1	0.0	0.4	0.4	-

* The consolidated financial statement of the Eurosystem comprises the financial statement of the European Central Bank (ECB) and the financial statements of the national central banks of the euro area Member States (NCBs). The balance sheet items

for foreign currency, securities, gold and financial instruments are valued at the end of the quarter. ${\bf 1}$ Source: ECB.

III. Consolidated financial statement of the Eurosystem

nding to e nominated		lit institutions	related to mo	onetary policy	operations			Securities of e in euro	euro area reside	ents				
al	Main re- financing opera- tions	Longer- term re- financing opera- tions	Fine- tuning reverse opera- tions	Structural reverse opera- tions	Marginal lending facility	Credits related to margin calls	Other claims on euro area credit institutions denomi- nated in euro	Total	Securities held for monetary policy purposes	Other securities	General government debt deno- minated in euro	Other assets	As at reporting date	
											Eur	osystem 1		
502.7 404.8 410.3	6.5 8.4 14.1	496.0 396.2 396.2			0.3 0.2 0.0	-	27.0 33.5 28.7	4,905.7 4,904.0 4,899.0	4,701.4 4,701.3 4,694.3	204.3 202.7 204.6	21.0 21.0 20.9	380.9 384.5 393.9	2023 Dec	
403.6 402.2 402.1 401.8	7.4 6.0 5.9 5.6	396.2 396.2 396.2 396.2					32.0 28.5 25.0 24.0	4,895.2 4,897.7 4,877.2 4,880.9	4,691.0 4,693.3 4,671.2 4,673.4	204.2 204.4 206.0 207.5	20.9 20.9 20.9 20.9 20.9	390.5 395.9 386.5 381.1	2024 Jan.	•
403.3 401.7 401.3 401.5	6.4 4.7 4.3 4.5	396.9 396.9 396.9 396.9			 0.0 0.0		30.4 21.0 20.4 26.6	4,866.7 4,866.2 4,848.7 4,847.3	4,661.9 4,663.9 4,646.7 4,644.6	204.9 202.3 202.0 202.7	20.9 20.9 20.9 20.9	364.8 373.2 372.0 354.1	Feb	•
403.4 401.6 400.4 400.0 156.2	5.3 3.6 2.4 2.0 5.9	398.0 398.0 398.0 398.0 398.0 150.3			0.0		37.2 23.7 27.9 35.1 34.4	4,830.7 4,832.7 4,829.7 4,824.3 4,802.6	4,628.7 4,630.1 4,624.7 4,618.1 4,595.0	202.0 202.5 204.9 206.2 207.6	20.9 20.9 20.9 20.9 20.9 20.8	348.5 354.8 356.8 350.9 358.7	Mar	r.
152.5 151.7 151.9 154.8	2.2 1.4 1.6 4.5	150.3 150.3 150.3 150.3			 0.0 0.0		23.0 21.7 24.5 26.7	4,789.3 4,795.6 4,786.6 4,788.5	4,579.4 4,582.8 4,571.4 4,572.6	209.9 212.8 215.1 215.9	20.8 20.8 20.8 20.8	352.5 358.6 361.8 360.2	Apr.	
151.4 151.1 150.6 150.8 152.0	2.0 1.7 1.2 1.3 4.9	149.4 149.4 149.4 149.4 149.4 147.1					27.1 21.7 20.0 26.2 35.4	4,777.4 4,782.2 4,763.2 4,765.5 4,740.1	4,562.2 4,566.6 4,547.2 4,548.2 4,522.4	215.2 215.6 216.0 217.4 217.7	20.8 20.8 20.8 20.8 20.8 20.8	356.8 357.0 358.7 364.3 363.9	May	y
149.5 149.3 151.4 95.0	2.3 2.2 4.3 11.1	147.1 147.1 147.1 83.8			- - 0.1		28.0 26.9 33.9 32.5	4,739.7 4,732.4 4,729.6 4,714.7	4,521.4 4,513.3 4,510.5 4,496.0	218.3 219.1 219.1 218.7	20.8 20.8 20.8 20.8	353.7 355.8 351.2 360.1	June	e
90.6	6.7	83.8	-	-	0.1	-	28.4	4,707.1	4,489.0	218.1	20.8	351.2	July	,
										De	utsche Bu	ndesbank		
89.6 70.4 72.3	0.2 0.7 2.7	89.1 69.5 69.5			0.3 0.2 -		10.4 10.4 5.8	1,010.5 1,010.2 1,009.1	1,010.5 1,010.2 1,009.1		4.4 4.4 4.4	1,114.8 1,112.2 1,147.2	2023 Dec	
69.9 69.7 70.1 70.2	0.4 0.1 0.6 0.7	69.5 69.5 69.5 69.5					9.6 12.1 8.7 8.6	1,005.6 1,006.1 1,001.6 1,002.2	1,005.6 1,006.1 1,001.6 1,002.2		4.4 4.4 4.4 4.4	1,119.9 1,129.5 1,106.5 1,119.6	2024 Jan.	
70.1 69.7 69.9 70.1	0.8 0.4 0.5 0.7	69.3 69.3 69.3 69.3			- 0.0 0.0		9.2 7.4 5.5 9.2	1,002.2 1,002.3 994.2 992.7	1,002.2 1,002.3 994.2 992.7		4.4 4.4 4.4 4.4	1,133.5 1,130.8 1,150.3 1,129.0	Feb	•
70.4 69.9 69.8 69.8 22.8	1.1 0.6 0.4 0.5 1.6	69.3 69.3 69.3 69.3 21.2			0.0		10.8 10.1 10.1 11.9 13.0	993.3 994.0 989.1 987.7 987.0	993.3 994.0 989.1 987.7 987.0		4.4 4.4 4.4 4.4 4.4	1,131.4 1,123.4 1,113.2 1,110.4 1,107.0	Mar	r.
21.7 21.6 21.6 22.3	0.5 0.4 0.4 1.1	21.2 21.2 21.2 21.2 21.2			 0.0 0.0		8.8 9.1 9.9 11.6	974.4 975.0 973.4 974.8	974.4 975.0 973.4 974.8		4.4 4.4 4.4 4.4	1,125.9 1,115.2 1,100.7 1,087.3	Apr.	•
21.8 21.6 21.6 21.7 22.4	0.5 0.3 0.3 0.4 1.1	21.3 21.3 21.3 21.3 21.3 21.3					11.7 8.4 7.0 11.1 11.2	975.7 977.3 964.3 965.0 965.8	975.7 977.3 964.3 965.0 965.8		4.4 4.4 4.4 4.4 4.4	1,119.3 1,133.4 1,131.7 1,145.3 1,108.2	May	,
21.7 21.7 21.7 14.5	0.4 0.4 0.4 1.5	21.3 21.3 21.3 13.0					11.0 11.3 11.3 10.4	965.1 957.2 955.5 955.5	965.1 957.2 955.5 955.5		4.4 4.4 4.4 4.4	1,123.3 1,112.9 1,130.6 1,133.9	June	9
13.7	0.6	13.0	-	-	0.1	-	9.9	953.3	953.3	-	4.4	1,156.9	July	r

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III. Consolidated financial statement of the Eurosystem

2. Liabilities *

						redit institutio		D				Liabilities to other euro a	roa rosidonts	
				monetary p		ons denomin						denominated		
As at reporting date		Total liabilities	Banknotes in circu- lation 1	Total	Current accounts (covering the minimum reserve system)	Deposit facility	Fixed- term deposits	Fine- tuning reverse opera- tions	Deposits related to margin calls	Other liabilities to euro area credit institutions deno- minated in euro	Debt certifi- cates issued	Total	General govern- ment	Other liabilities
date		Eurosyster		Total	Systemy	lucinty	deposito	lions	cons		issued	Total	ment	nabinties
2023 Dec.	15 22 29	6,987.4 6,899.2 6,935.5	1,556.6 1,565.1 1,567.7	3,725.2 3,649.6 3,508.9	191.5 204.0 174.0	3,533.7 3,445.6 3,334.8	=	=	0.0 0.0 0.0	36.2 40.1 58.9		259.8 232.5 303.9	177.5 145.0 212.8	82.3 87.5 91.1
2024 Jan.	5 12 19 26	6,919.8 6,923.7 6,889.3 6,887.6	1,561.6 1,553.6 1,548.8 1,545.5	3,679.9 3,703.5 3,666.6 3,678.6	139.7 136.3 162.3 174.2	3,540.1 3,567.2 3,504.3 3,504.3			0.0 0.0 0.0 0.0	40.0 37.5 35.7 36.3		239.9 239.2 259.9 257.0	158.8 161.6 181.5 178.9	81.1 77.6 78.5 78.0
Feb.	2 9 16 23	6,865.4 6,861.4 6,842.7 6,830.9	1,545.2 1,544.3 1,543.3 1,541.7	3,676.9 3,655.9 3,640.2 3,678.6	167.8 153.8 153.9 154.5	3,509.1 3,502.0 3,486.2 3,524.0			0.0 0.0 0.0 0.0	33.8 33.7 32.0 31.7		239.2 257.6 264.3 231.0	162.3 182.7 187.4 155.4	76.9 74.9 76.9 75.6
Mar.	1 8 15 22 29	6,820.0 6,813.2 6,815.6 6,810.0 6,619.7	1,542.7 1,543.4 1,542.9 1,543.8 1,550.3	3,657.1 3,662.1 3,660.0 3,675.2 3,379.5	163.1 198.0 156.3 150.7 169.7	3,493.9 3,464.1 3,503.8 3,524.5 3,209.8			0.0 0.0 0.0 0.0 0.0	33.3 33.1 35.1 35.6 37.5		228.4 229.9 234.2 212.3 226.1	150.6 148.2 149.3 135.2 142.6	77.8 81.6 84.9 77.1 83.6
Apr.	5 12 19 26	6,585.3 6,596.7 6,593.2 6,598.9	1,547.8 1,546.4 1,546.2 1,548.6	3,392.0 3,416.7 3,415.2 3,416.3	161.7 185.5 170.0 153.7	3,230.3 3,231.2 3,245.2 3,262.6			0.0 0.0 0.0 0.0	33.3 31.3 31.9 32.1		219.1 205.3 201.1 204.7	140.7 127.0 119.4 123.9	78.3 78.3 81.7 80.8
May	3 10 17 24 31	6,582.1 6,581.0 6,562.4 6,577.7 6,560.7	1,553.2 1,553.3 1,552.9 1,551.2 1,553.4	3,391.0 3,399.0 3,376.8 3,372.8 3,322.2	153.2 152.6 152.0 151.9 168.7	3,237.9 3,246.3 3,224.8 3,220.9 3,153.5			0.0 0.0 0.0 0.0 0.0	32.9 31.9 32.4 33.7 36.3		197.5 194.3 195.9 201.7 210.6	118.3 115.1 117.3 120.2 131.8	79.3 79.2 78.6 81.5 78.8
June	7 14 21 28	6,541.6 6,534.5 6,536.8 6,522.0	1,553.8 1,554.2 1,555.7 1,559.9	3,350.0 3,351.7 3,345.0 3,237.5	196.9 173.7 152.3 170.2	3,153.1 3,177.9 3,192.8 3,067.3				33.4 32.9 33.3 36.1		199.9 185.9 188.6 205.1	106.1 107.6 111.8 125.7	93.9 78.3 76.8 79.4
July	5	6,497.7	1,562.2	3,255.2	160.8	3,094.3	-	-	-	33.7	-	193.3	115.9	77.4
2023 Dec.	15	Deutsche I 2,512.8	Bundesbai	nk 1,191.5	59.6	1,131.9			0.0	5.7	1	1 45 2	I 21.1	14.2
	22 29	2,490.5 2,536.2	378.9 377.0	1,173.8 1,109.9	54.2 53.0	1,119.6 1,056.8	-	-	0.0 0.0	6.6 14.5	-	45.3 35.1 44.4	31.1 18.5 26.0	14.2 16.6 18.5
2024 Jan.	5 12 19 26	2,501.5 2,513.7 2,483.0 2,497.5	381.5 379.6 378.8 377.8	1,189.7 1,200.0 1,174.7 1,182.8	38.5 37.1 39.0 51.5	1,151.2 1,162.9 1,135.7 1,131.2			0.0 0.0 0.0 0.0	8.9 8.9 6.6 7.2		37.4 30.4 29.6 28.5	22.5 17.2 17.4 15.6	14.9 13.2 12.2 12.9
Feb.	2 9 16 23	2,512.4 2,508.1 2,518.7 2,500.9	379.1 379.8 379.8 379.8 379.4	1,206.7 1,203.6 1,214.8 1,221.1	46.2 41.9 40.4 40.6	1,160.5 1,161.6 1,174.4 1,180.5			0.0 0.0 0.0 0.0	5.5 5.8 5.2 5.2		29.5 29.3 31.9 26.0	17.2 17.3 20.6 15.2	12.4 12.0 11.3 10.8
Mar.	1 8 15 22 29	2,504.7 2,496.1 2,481.0 2,478.2 2,447.7	378.1 379.0 379.0 379.6 379.8	1,225.2 1,219.4 1,204.6 1,198.2 1,141.0	43.1 60.4 45.3 40.0 45.0	1,182.1 1,159.0 1,159.3 1,158.1 1,095.9			0.0 0.0 0.0 0.0 0.0	5.2 5.3 6.7 6.7 8.3		27.5 25.1 26.6 26.0 29.1	16.2 13.1 15.1 15.1 16.0	11.3 12.0 11.5 10.9 13.1
Apr.	5 12 19 26	2,448.6 2,439.1 2,423.9 2,413.4	379.2 379.3 379.6 380.5	1,154.1 1,146.2 1,131.7 1,119.4	40.4 58.0 43.8 40.6	1,113.7 1,088.1 1,087.8 1,078.8			0.0 0.0 0.0 0.0	6.8 5.4 5.1 5.4		29.2 31.8 28.2 31.0	18.0 20.1 15.5 19.9	11.3 11.6 12.7 11.1
May	3 10 17 24 31	2,446.6 2,458.4 2,442.2 2,461.4 2,425.5	380.8 381.6 382.2 381.5 380.6	1,160.5 1,171.6 1,151.9 1,169.8 1,122.8	41.9 39.5 38.5 38.3 43.4	1,118.6 1,132.0 1,113.4 1,131.4 1,079.5			0.0 0.0 0.0 0.0 0.0	5.4 4.9 4.6 4.6 5.5		23.8 22.9 23.3 24.3 29.5	11.9 12.0 11.7 11.7 16.9	11.9 10.9 11.6 12.6 12.6
June	7 14 21	2,439.1 2,420.5 2,436.8	380.9 381.3 381.8	1,149.7 1,122.6 1,138.0	63.1 44.6 40.7	1,086.6 1,078.0 1,097.4				5.1 4.9 5.1		22.9 23.0 25.7	11.8 11.3 14.2	11.2 11.7 11.5

* The consolidated financial statement of the Eurosystem comprises the financial statement of the European Central Bank (ECB) and the financial statements of the national central banks of the euro area Member States (NCBs). The balance sheet items for foreign currency, securities, gold and financial instruments are valued at market

45.5

41.1

1,078.9

1,116.8

1,124.4

1,157.9

2,447.3

2,466.7

28

July 5 382.2

383.4

rates at the end of the quarrter. 1 In accordance with the accounting procedure chosen by the Eurosystem for the issue of euro banknotes, a share of 8% of the total value of the euro banknotes in circulation is allocated to the ECB on a monthy basis. The counterpart of this adjustment is disclosed as an "Intra-Eurosystem liability related to

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25.2

24.4

11.8

12.5

6.1

4.5

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13.4

11.9

III. Consolidated financial statement of the Eurosystem

		Liabilities to nor residents denom foreign currency	ninated in							
Liabilities to non-euro area residents denominated in euro	Liabilities to euro area residents in foreign currency	Total	Deposits, balances and other liabilities	Liabilities arising from the credit facility under ERM II	Counterpart of special drawing rights allocated by the IMF	Other liabilities 2	Intra- Eurosystem liability related to euro banknote issue 1	Revaluation accounts	Capital and reserves	As at reporting date
									Eurosystem ³	
232.7 229.7 281.9	17.3 18.0 16.4	4.2 4.5 4.5	4.2 4.5 4.5		180.7 180.7 177.1	250.2 254.6 260.9		604.2 604.2 635.1	120.2 120.2 120.2	2023 Dec. 15 22 29
193.7 186.3 186.5 185.9	17.6 17.9 17.2 17.0	3.5 3.4 2.3 1.8	3.5 3.4 2.3 1.8		177.1 177.1 177.1 177.1 177.1	251.1 249.8 239.9 233.3		635.1 635.0 635.0 634.8	120.3 120.3 120.3 120.3 120.3	2024 Jan. 5 12 19 26
192.5 189.9 187.0 190.6	17.3 17.6 17.5 17.4	1.7 2.3 2.9 3.7	1.7 2.3 2.9 3.7	- - -	177.1 177.1 177.1 177.1 177.1	226.7 228.0 235.8 218.9	- - -	634.9 634.9 634.9 634.9 634.9	120.1 120.1 107.6 105.2	Feb. 2 9 16 23
197.2 191.6 189.1 188.1 199.5	16.8 17.0 17.1 16.4 15.9	4.4 3.6 3.9 4.9 6.4	4.4 3.6 3.9 4.9 6.4		177.1 177.1 177.1 177.1 177.1 178.5	222.8 215.2 215.9 216.4 221.8		634.9 634.9 634.9 634.9 702.9	105.3 105.3 105.3 105.3 105.3 101.1	Mar. 1 8 15 22 29
180.9 183.7 184.4 183.6	16.2 16.6 15.6 15.5	5.2 5.7 6.6 7.2	5.2 5.7 6.6 7.2	- - -	178.5 178.5 178.5 178.5 178.5	208.4 208.4 210.7 209.6		702.9 702.9 702.9 702.9 702.9	101.1 101.1 100.0 99.9	Apr. 5 12 19 26
196.6 194.5 195.7 203.6 218.9	15.6 14.7 14.9 15.0 13.8	6.4 6.6 6.4 6.8 6.7	6.4 6.6 6.4 6.8 6.7		178.5 178.5 178.5 178.5 178.5 178.5	207.5 205.4 206.3 211.8 217.6		702.9 702.9 702.9 702.9 702.9 702.9	99.9 99.7 99.7 99.7 99.7 99.7	May 3 10 17 24 31
195.6 202.7 206.0 221.8	14.6 15.0 15.3 15.0	6.7 6.7 5.0 5.3	6.7 6.7 5.0 5.3		178.5 178.5 178.5 178.5 179.0	206.4 204.4 206.7 212.1	- - -	702.9 702.9 702.9 702.9 750.4	99.7 99.7 99.7 99.7 99.7	June 7 14 21 28
200.8	15.8	5.7	5.7	-	179.0	201.9	-	750.4	99.7	July 5
								Deutsche	Bundesbank	
76.2 77.9 161.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0		46.6 46.6 45.7	37.1 37.2 37.3	541.3 541.3 543.7	187.4 187.4 197.1	5.5 5.5 5.5	2023 Dec. 15 22 29
75.6 71.2 69.4 71.7	0.0 0.0 0.0 0.0	0.0 0.0 0.1 0.1	0.0 0.0 0.1 0.1		45.7 45.7 45.7 45.7	23.2 38.5 38.6 39.1	536.7 536.7 536.7 541.9	197.1 197.1 197.1 197.1	5.5 5.5 5.5 5.5	2024 Jan. 5 12 19 26
68.7 65.9 61.9 63.9	0.0 0.0 0.0 0.0	- 0.0 0.5 1.0 1.5	- 0.0 0.5 1.0 1.5		45.7 45.7 45.7 45.7	38.3 38.5 39.5 21.5	536.2 536.2 536.2 536.2	197.1 197.1 197.1 197.1	5.5 5.5 5.5 3.2	Feb. 2 9 16 23
61.4 60.6 57.3 60.9 61.2	0.0 0.0 0.0 0.0 0.0	1.3 0.7 0.7 0.5 0.4	1.3 0.7 0.7 0.5 0.4	- - - -	45.7 45.7 45.7 45.7 45.7 46.1	21.4 21.4 21.6 21.8 20.5	538.6 538.6 538.6 538.6 538.6 541.5	197.1 197.1 197.1 197.1 216.6	3.2 3.2 3.2 3.2 3.2 3.2	Mar. 1 8 15 22 29
50.9 47.7 50.0 48.0	0.0 0.0 0.0 0.0	0.4 0.4 1.1 0.7	0.4 0.4 1.1 0.7	- - -	46.1 46.1 46.1 46.1	20.6 20.9 20.9 21.0	541.5 541.5 541.5 541.5	216.6 216.6 216.6 216.6	3.2 3.2 3.2 3.2	Apr. 5 12 19 26
46.0 47.3 49.0 50.1 53.6	0.0 0.0 0.0 0.0 0.0	0.5 0.5 0.2 0.4 0.4	0.5 0.5 0.2 0.4 0.4		46.1 46.1 46.1 46.1 46.1	20.4 20.5 21.9 21.5 21.5	543.3 543.3 543.3 543.3 543.3 545.7	216.6 216.6 216.6 216.6 216.6 216.6	3.2 3.2 3.2 3.2 3.2 3.2	May 3 10 17 24 31
46.8 55.0 52.5 61.5	0.0 0.0 0.0 0.0	0.4 0.5 0.2 0.6	0.4 0.5 0.2 0.6	- - -	46.1 46.1 46.2	21.7 21.9 22.0 19.5	545.7 545.7 545.7 547.3	216.6 216.6 216.6 231.1	3.2 3.2 3.2 3.2	June 7 14 21 28
49.0	0.0	0.6	0.6	-	46.2	19.2	547.3	231.1	3.2	July 5

euro banknote issue". The remaining 92% of the value of the euro banknotes in circulation is allocated, likewise on an monthly basis, to the NCBs, with each NCB showing in its balance sheet the share of the euro banknotes issued corresponding to its paid-up share in the ECB's capital. The difference between the value of the euro

banknotes allocated to the NCB according to the aforementioned accounting procedure and the value of euro banknotes put into circulation is also disclosed as an "Intra-Eurosystem claim/liability related to banknote issue". **2** For the Deutsche Bundesbank: including DEM banknotes still in circulation. **3** Source: ECB.

1. Assets and liabilities of monetary financial institutions (excluding the Deutsche Bundesbank) in Germany * Assets

€ billion

	€ billion												
			Lending to b	anks (MFIs) in	the euro area					Lending to n	on-banks (noi	n-MFIs) in the	
				to banks in t	he home cour	itry	to banks in o	ther Member St	ates		to non-bank	s in the home	country
												Enterprises a holds	nd house-
	Delever					Convition			Convition			noius	
	Balance sheet	Cash				Securities issued			Securities issued		L		
Period	total 1	in hand	Total	Total	Loans	by banks	Total	Loans	by banks	Total	Total	Total	Loans
2014	7 002 2	10.2	2 022 0	1 520 5 1	1 1 4 7 2	202.2	402.2.1		150.4	2 65 4 5		l of year o	
2014	7,802.3	19.2	2,022.8	1,530.5	1,147.2	383.3	492.3	333.9	158.4	3,654.5	3,239.4	2,661.2	2,384.8
2015	7,665.2	19.5	2,013.6	1,523.8	1,218.0	305.8	489.8	344.9	144.9	3,719.9	3,302.5	2,727.4	2,440.0
2016	7,792.6	26.0	2,101.4	1,670.9	1,384.2	286.7	430.5	295.0	135.5	3,762.9	3,344.5	2,805.6	2,512.0
2017	7,710.8	32.1	2,216.3	1,821.1	1,556.3	264.8	395.2	270.1	125.2	3,801.7	3,400.7	2,918.8	2,610.1
2018 2019	7,776.0 8,311.0	40.6 43.4	2,188.0 2,230.1	1,768.3 1,759.8	1,500.7 1,493.5	267.5 266.3	419.7 470.4	284.8 327.6	134.9 142.8	3,864.0 4,020.1	3,458.2 3,584.9	3,024.3 3,168.7	2,727.0 2,864.9
2019	8,943.3	47.5	2,230.1	2,177.9	1,913.5	264.4	444.8	307.1	137.7	4,020.1	3,709.8	3,297.0	2,804.9
2021	9,172.2	49.7	2,789.6	2,333.0	2,069.6	263.4	456.6	324.4	132.2	4,350.4	3,860.4	3,468.8	3,147.6
2022	10,517.9	20.0	2,935.2	2,432.2	2,169.2	263.0	502.9	359.6	143.3	4,584.6	4,079.3	3,702.9	3,365.4
2023	10,321.0	18.7	2,884.4	2,349.7	2,081.8	267.9	534.7	374.6	160.1	4,651.2	4,109.2	3,729.7	3,395.7
2022 Aug.	10,627.2	23.6	3,166.4	2,625.3	2,359.2	266.1	541.1	409.1	132.0	4,555.4	4,039.2	3,664.4	3,331.1
Sep.	11,063.0	20.7	3,268.0	2,714.2	2,442.2	272.0	553.7	419.7	134.0	4,579.6	4,057.2	3,685.0	3,351.1
Oct.	11,036.0	20.0	3,259.8	2,696.8	2,424.2	272.6	563.0	416.3	146.7	4,591.1	4,077.8	3,699.7	3,365.9
Nov.	10,762.4	19.1	3,180.1	2,630.6	2,360.1	270.5	549.5	403.2	146.2	4,610.5	4,089.4	3,715.1	3,379.3
Dec.	10,517.9	20.0	2,935.2	2,432.2	2,169.2	263.0	502.9	359.6	143.3	4,584.6	4,079.3	3,702.9	3,365.4
2023 Jan.	10,585.0	18.2	3,085.7	2,550.5	2,288.2	262.3	535.1	383.8	151.4	4,600.1	4,080.1	3,706.1	3,372.3
Feb.	10,760.9	18.0	3,085.7	2,541.4	2,274.9	266.5	544.3	390.6	153.8	4,614.2	4,094.2	3,714.7	3,381.3
Mar.	10,553.8	17.9	3,041.3	2,497.8	2,229.3	268.4	543.5	391.2	152.3	4,620.6	4,094.7	3,718.2	3,386.0
Apr.	10,564.3	18.9	3,047.7	2,507.0	2,237.3	269.7	540.7	384.5	156.2	4,630.5	4,096.8	3,721.7	3,390.4
May	10,653.7	18.2	3,091.2	2,550.3	2,279.7	270.6	541.0	383.4	157.5	4,642.2	4,103.4	3,733.0	3,400.9
June	10,577.7	17.7	2,967.0	2,434.5	2,166.3	268.2	532.5	371.5	161.0	4,646.7	4,108.0	3,734.5	3,397.1
July	10,743.2		3,002.4	2,456.4	2,188.8	267.6	546.0	384.8	161.2	4,651.1	4,114.5	3,738.2	3,402.0
Aug.	10,735.3	17.5	2,994.8	2,455.6	2,187.1	268.4	539.2	377.9	161.4	4,649.4	4,111.7	3,733.9	3,400.6
Sep.		18.0	2,916.4	2,371.6	2,106.3	265.3	544.8	382.8	162.0	4,649.8	4,113.1	3,735.7	3,401.7
Oct.	10,797.9	17.5	2,980.6	2,430.9	2,165.6	265.3	549.7	387.7	162.1	4,653.7	4,116.8	3,736.3	3,401.6
Nov.	10,610.8	16.9	2,987.1	2,438.4	2,168.4	270.0	548.7	386.5	162.2	4,666.3	4,123.1	3,740.9	3,406.9
Dec.	10,321.0	18.7	2,884.4	2,349.7	2,081.8	267.9	534.7	374.6	160.1	4,651.2	4,109.2	3,729.7	3,395.7
2024 Jan.	10,454.3	16.3	2,979.1	2,420.8	2,144.5	276.3	558.2	394.5	163.7	4,665.4	4,113.3	3,729.2	3,393.3
Feb.	10,584.8	16.3	3,012.3	2,441.5	2,160.1	281.4	570.8	406.8	163.9	4,675.8	4,120.6	3,736.2	3,399.3
Mar.	10,509.6	17.6	2,957.6	2,389.6	2,105.8	283.8	568.1	403.0	165.1	4,695.4	4,126.2	3,741.0	3,401.3
Apr.	10,598.5	16.6	2,959.3	2,382.9	2,097.2	285.7	576.4	412.6	163.8	4,690.1	4,127.5	3,741.6	3,402.0
May	10,578.7	16.7	2,951.1	2,378.9	2,092.4	286.5	572.2	406.7	165.5	4,701.3	4,135.1	3,747.0	3,406.5
Widy	10,570.7		2,551.1	2,570.5	2,052.4	200.5	572.2	400.7	105.5	4,701.5	4,155.1		hanges ³
2015	- 191.4	0.3	- 18.2	- 12.1	66.1	- 78.2	- 6.1	6.6	- 12.8 - 8.8	64.8	64.1	68.1	56.6
2016	184.3	6.5	120.3	178.4	195.3	- 16.8	- 58.1	- 49.2	- 9.5	57.5	53.4	88.8	81.0
2017	8.0	6.1	135.9	165.0	182.6	- 17.6	- 29.1	- 19.6		51.3	63.5	114.8	101.1
2018	101.8	8.5	- 29.2	- 49.7	- 53.4	3.7	20.6	13.0	7.6	78.7	71.9	118.1	127.8
2019	483.4	2.8	20.7	- 3.8	- 2.3	- 1.5	24.5	16.9	7.5	161.8	130.5	148.2	140.9
2020	769.5	4.1	505.4	524.2	512.6	11.6	- 18.8	- 16.2	- 2.6	161.0	130.0	132.3	132.2
2021	207.2	2.2	161.3	155.6	156.4	- 0.8	5.7	11.7	- 5.9	175.7	154.6	173.7	155.9
2022	1,170.5	- 29.7 - 1.3	149.5	103.7 - 76.2	100.5	3.2	45.8 34.7	33.1 17.2	12.7 17.5	242.4 84.5	223.1	237.5	220.6
2023 2022 Sep.	- 133.8 428.4	- 2.9	- 41.5 99.8	- 70.2 88.6	- 80.2 82.4	10.0 6.2	11.3	9.0	2.3	27.0	44.6 17.2	40.5 19.5	41.3 18.7
Oct.	- 19.3	- 0.7	- 6.7	- 17.0	- 17.7	0.6	10.3	- 2.4	12.7	12.4	21.1	15.3	15.5
Nov.	- 245.9	- 0.9	- 75.9	- 65.0	- 63.0	- 2.0	- 10.9	- 10.5	- 0.5	21.4	- 8.4	17.1	15.1
Dec.	- 225.1	0.9	- 240.0	- 196.2	- 189.2	- 7.1	- 43.8	- 41.2	- 2.6	- 24.0		- 9.9	- 11.6
2023 Jan.	87.5	- 1.8	155.0	122.2	119.3	2.8	32.8	24.0	8.9	22.8	6.5	8.1	8.0
Feb.	167.0	- 0.2	- 0.8	- 9.1	- 13.4	4.3	8.3	5.8	2.5	13.4	13.6	7.9	8.3
Mar.	- 195.2	- 0.1	- 42.8	- 43.2	- 45.0	1.8	0.4	1.9	- 1.5	8.2	2.0	5.0	6.2
Apr.	16.7	1.0	7.7	9.8	8.1	1.7	- 2.1	- 6.0	3.9	11.0	3.0	4.2	5.1
May	91.9	- 0.7		42.2	41.3	0.9	- 0.2	- 1.6	1.3	12.3	6.8	11.5	10.6
June July	- 65.9	- 0.5	- 121.0 34.6	- 113.5 22.2	- 112.5 22.7	- 1.1 - 0.6	- 7.5 12.4	- 11.0	3.5 0.2	4.7 6.0	5.5 7.6	2.5 4.7	- 1.7 5.8
Aug.	- 15.1	0.3	- 7.6	- 1.1	- 1.9	0.8	- 6.5	- 6.6	0.1	- 0.5	- 2.4	- 3.9	- 1.0
Sep.	1.6	0.6	- 78.5	- 83.9	- 80.8	- 3.1	5.3	4.7	0.7	1.6	2.3	2.7	2.0
Oct.	68.3	- 0.5	64.7	59.5	59.5	0.0	5.1	5.1	0.1	5.1	4.6	1.5	0.9
Nov. Dec.	- 174.8 - 286.4	- 0.6 1.8	8.2 - 102.9	7.9 - 89.1	3.2 - 86.8	4.7 - 2.3	0.3 - 13.8	0.3 - 11.6	- 2.2	13.7 - 13.7	- 12.3	6.4 - 10.1	7.2 - 10.1
2024 Jan.	123.8	- 2.4	90.9	68.6	61.1	7.6	22.3	18.9	3.3	15.1	5.4	0.8	0.1
Feb.	132.1	0.0	33.5	20.9	15.7	5.3	12.5	12.3	0.2	11.2	7.4	7.3	6.3
Mar.	- 75.2	1.3	- 55.0	- 52.0	- 54.3	2.4	- 3.0	– 3.9	0.9	20.1	6.2	5.5	2.8
Apr.	86.9	- 1.1	1.5	- 6.7	- 8.6	1.9	8.2	9.2	- 1.1	- 3.8	1.9	1.4	1.2
May		0.2	- 8.2	- 3.9	- 4.8	0.9	- 4.3	- 5.9	1.6	11.9	8.1	5.9	5.1
	- * This table s	erves to sunnli	- 			ection II. Linii		, aks (including bi	-		- 		funda 1 Coo

 \star This table serves to supplement the "Overall monetary survey" in Section II. Unlike the other tables in Section IV, this table includes - in addition to the figures reported by

banks (including building and loan associations) - data from money market funds. **1** See footnote 1 in Table IV.2. **2** Including debt securities arising from the exchange

euro area														Claim]
					to non-b	anks i	in other Men	nber States						Claims on no residents	on-euro area		
	General g	overnmer	nt				Enterprises a households	nd		General gove	rnment						
Securities	Total	Loan	s	Securities	2 Total		Total	of which: Loans		Total	Loans		Securities	Total	of which: Loans	Other assets 1	Period
End of	year or m	onth															
276			327.9	250		5.0	270.0	142.		145.0		31.9	113.2	1,050.1	805.0	1,055.8	2014
287 293 308 297 303	.6 538 .7 481 .2 433 .8 416	.9 .9 .9	324.5 312.2 284.3 263.4 254.7	250 226 197 170 161	7 418 6 40 5 409 6 43	8.4 1.0 5.8 5.2	276.0 281.7 271.8 286.7 312.6	146. 159. 158. 176. 199.	.5 .3 .5 .0	141.5 136.7 129.1 119.2 122.6		29.4 28.5 29.8 28.6 29.4	112.1 108.2 99.3 90.6 93.2	1,006.5 1,058.2 991.9 1,033.2 1,035.8	746.3 802.3 745.3 778.5 777.5	905.6 844.1 668.9 650.2 981.5	2015 2016 2017 2018 2019
303 321 337 334	.2 391 .5 376 .0 379	.6 .4 .5	252.3 245.1 248.0 254.3	160 146 128 125	5 490 4 50 2 54	0.1 5.3 2.0	327.5 362.7 384.9 411.1	222. 244. 270. 283.	.0 .2 .5	142.3 127.4 120.4 130.9		29.7 28.4 30.8 28.4	112.7 99.0 89.6 102.5	1,003.2 1,094.2 1,137.2 1,134.5	751.2 853.3 882.9 876.1	1,090.3 888.3 1,841.0 1,632.3	2020 2021 2022 2023
333 333			243.4 244.5	131 127			387.1 390.5	268. 273.		129.1 132.0		33.7 35.4	95.4 96.6	1,211.7 1,220.9	952.6 961.0	1,670.0 1,973.8	2022 A Se
333 335 337	.9 374	.2	246.0 246.3 248.0	132 127 128	9 52	1.1	385.7 394.0 384.9	268. 276. 270.	.5	127.6 127.1 120.4		34.4 32.7 30.8	93.2 94.4 89.6	1,234.2 1,224.6 1,137.2	975.7 963.4 882.9	1,930.8 1,728.1 1,841.0	O N D
333 333 332	.5 379	.5	250.3 248.2 248.9	123 131 127	3 520	0.0	393.5 393.3 397.5	280. 279. 275.	.2	126.6 126.8 128.4		30.2 31.3 30.9	96.4 95.4 97.5	1,161.9 1,167.6 1,168.5	904.0 904.4 902.6	1,719.2 1,875.3 1,705.4	2023 Ja Fe N
331 332 337	.1 370	.5	250.9 249.8 248.7	124 120 124	7 53	3.7	405.8 407.7 403.1	280. 284. 279.	.6	128.0 131.0 135.6		32.3 31.9 31.0	95.7 99.1 104.5	1,149.9 1,177.7 1,150.6	883.9 912.0 886.7	1,717.3 1,724.4 1,795.7	A N Ju
336 333 334	.3 377	.9	252.1 249.5 252.0	124 128 125	4 53 4 53	7.7 5.7	407.3 404.5 404.7	282. 282. 282.	.9	129.3 133.2 132.0		30.7 31.1 32.0	98.7 102.1 100.0	1,156.3 1,157.7 1,163.8	895.0 899.2 902.7	1,916.3 1,915.9 1,989.5	ال م S
334 334 334	.0 382 .0 379	.2 .5	255.1 254.4 254.3	125 127 125	8 543 2 543	3.2 2.0	405.6 412.1 411.1	282. 288. 283.	.2 .5	131.4 131.1 130.9		32.0 30.9 28.4	99.4 100.2 102.5	1,165.8 1,153.0 1,134.5	909.5 895.0 876.1	1,980.1 1,787.6 1,632.3	
335 336 339 339	.9 384 .7 385 .7 385	.5 .2 .8	256.3 254.8 257.2 259.9	127 129 128 126	6 555 0 569 0 562	5.2 9.2 2.7	414.9 420.3 426.8 422.4	287. 293. 294. 294.	.8 .6 .1	137.1 134.9 142.5 140.3		28.8 28.5 28.1 28.8	108.3 106.4 114.4 111.4	1,167.8 1,205.6 1,211.2 1,218.9	911.4 942.8 942.8 947.8	1,625.8 1,674.7 1,627.7 1,713.6	2024 Ja Fe N
340 Change		.1	259.6	128	5 56	5.3	429.9	296.	.6	136.3		27.8	108.6	1,248.0	978.1	1,661.5	N
11		.9 –	4.2	0	3 ().7 🛔	4.4	1.	.8	- 3.7	-	1.0	- 2.8	- 88.3	- 101.0	- 150.1	2015
7 13 - 9	.8 - 35	.4 – .3 – .2 –	12.1 22.8 19.1 8.6	- 23 - 28 - 27 - 9	3 5 – 12 0	4.0 2.2 5.8 1.3	8.2 - 3.4 18.2 29.5	14.	.6 .0 .6	- 4.2 - 8.7 - 11.4 1.7	-	0.9 0.1 1.5 0.0	- 3.3 - 8.9 - 9.9 1.7	51.4 - 12.3 29.0 - 32.1	55.0 - 6.7 18.9 - 33.3	- 51.4 - 173.1 14.8 330.3	2016 2017 2018 2019
0 17 16	.2 – 2 .8 – 19 .9 – 14	.4 –	1.7 6.1 1.9 6.4	- 0 - 13 - 16 - 2	7 3 [°] 1 2 [°] 3 19	1.0 1.1 9.3 9.9	30.6 35.5 20.7 28.3	20. 22. 24. 15.	.9 .6 .4	0.3 - 14.3 - 1.4 11.7		0.4 1.1 2.6 2.4	0.7 - 13.2 - 3.9 14.1	- 9.7 71.7 15.0 42.6	- 8.2 84.9 - 0.8 34.1	108.8 - 203.7 793.3 - 218.1	2020 2021 2022 2023
0 - 0	.8 - 2	.4 .9	1.1 1.4	- 3 4	5 9 4 – 4	9.9 3.7 3.4	3.3 - 4.4	4. - 4.	.0 .6	6.6 - 4.3 - 0.8		1.7 1.0	4.8 - 3.3 0.9	0.7 19.7	0.1 20.4	303.7 - 44.0 - 199.3	2022 S
1 0	.8 1 .1 – 1	.1 .5 .6	0.0 0.9 2.3	- 4 0 - 3	6 – 1! 9 10	5.6 5.3	9.2 - 9.3 9.4	- 6. 10.		- 6.4 6.9	-	1.7 1.9 0.6	- 4.5 7.5	8.8 - 75.0 33.4	4.8 - 69.5 27.8	112.9 - 121.8	N D 2023 Ja
- 1 - 1	.2 - 3	.6 – .0 .2	2.0 0.8 2.1	7 - 3 - 3	7 (3 3	0.2 5.1 3.0	- 0.7 4.6 8.5	- 3. 5.	.4 .0 .4	0.5 1.5 - 0.5	-	1.1 0.4 1.4	- 0.7 1.9 - 1.9	- 1.7 9.6 - 14.9	- 6.6 6.5 - 15.4	156.4 - 170.1 11.9	F N A
4 - 1	.2 3 .2 3	.7 – .0 – .0	1.2 1.1 3.4	- 3 4 - 0	1 – (4 – ·	5.4).9 1.7	- 2.1 - 5.5 4.4	- 5. 3.	.4	3.4 4.6 - 6.1	- - -	0.4 0.9 0.3	3.7 5.5 - 5.7	28.3 - 9.4 10.3	- 8.3 12.6	10.1 60.3 120.4	N IL IL
0 0	.7 – 0 .7 – 3	.5 –	2.6 2.6 3.1	4 - 2 - 0	9 - 0	1.9).7).5	- 1.9 0.4 1.1	- 0. 0.	.3 .5	3.8 - 1.1 - 0.5		0.5 0.9 0.0	3.4 - 2.0 - 0.6	- 5.1 6.6 3.9	- 1.9 3.7 8.3	- 2.2 71.3 - 5.0	A S C
- 0 0	.1 - 2	.9 – .2 .6	1.5 0.7 2.0	- 2 - 2	8 – 1 6 9	5.4 1.4 9.7	- 0.9 3.5	- 4. 3.	.8 .4 .4	- 0.5 - 0.3 - 0.5 6.2	-	1.2 2.5 0.4	0.9 2.0 5.8	- 3.0 - 15.2 25.3	- 5.3 - 15.5 27.8	- 193.1 - 156.4 - 5.1	N D 2024 Ja
2 0	.7 0 .1 0	.1 – .7 .6 .2 –	1.7 2.4 2.6 0.3	1 - 1 - 2	6 13 0 - 1	3.9 3.9 5.8 3.8	6.0 6.4 - 4.0 7.7	- 0.	.4 .0 .4 .7	- 2.1 7.6 - 1.8 - 3.9		0.3 0.4 0.7 1.1	- 1.8 7.9 - 2.5 - 2.8	38.2 5.4 4.6 29.2	31.8 - 0.2 1.8 30.2	49.2 - 47.1 85.7 - 52.1	F N A

of equalisation claims. ${\bf 3}$ Statistical breaks have been eliminated from the flow figures (see also footnote * in Table II.1).

Assets and liabilities of monetary financial institutions (excluding the Deutsche Bundesbank) in Germany * Liabilities

€ billion

	€ billion												
		Deposits of b	anks (MFIs)		Deposits of r	ion-banks (noi	n-MFIs) in the	euro area					
		in the euro a							ter.			Deposits of r	an hanks
			of banks			Deposits of r	ion-banks in th	ne nome coun	try			Deposits of r	ion-banks
					1						41		
								With agreed	maturities	At agreed no	otice		
	Balance		in the	in other					of which:		of which:		
Period	sheet total 1	Total	home country	Member States	Total	Total	Overnight	Total	up to 2 years	Total	up to 3 months	Total	Overnight
							e renngni		_) ====				
2014	7,802.3	1 1 2 2 4 0	1 1112 2	211.7	3,197.7	3,107.4	1,514.3	985.4	298.1	607.7	531.3	d of year of 79.7	34.4
2014	7,602.5	1,324.0 1,267.8	1,112.3 1,065.9	201.9	3,307.1	3,107.4	1,514.5	965.4 948.4	298.1	596.4	531.5	80.8	35.3
2016	7,792.6	1,205.2	1,033.2	172.0	3,411.3	3,318.5	1,794.8	935.3	291.2	588.5	537.0	84.2	37.2
2017 2018	7,710.8 7,776.0	1,233.6 1,213.8	1,048.6 1,021.8	184.9 192.0	3,529.1 3,642.8	3,411.1 3,527.0	1,936.6 2,075.5	891.7 872.9	274.2 267.2	582.8 578.6	541.0 541.1	108.6 104.5	42.5 45.0
2019	8,311.0	1,242.8	1,010.4	232.4	3,778.1	3,649.8	2,230.9	843.7	261.7	575.1	540.5	116.3	54.6
2020	8,943.3	1,493.2	1,237.0	256.3	4,021.6	3,836.7	2,508.4	767.8	227.1	560.5	533.2	135.1	57.0
2021 2022	9,172.2 10,517.9	1,628.6 1,618.6	1,338.6 1,231.6	289.9 387.0	4,129.9 4,343.5	3,931.8 4,093.8	2,649.3 2,712.1	721.3 848.6	203.9 353.7	561.2 533.2	537.1 510.2	153.8 180.5	70.7 84.1
2023	10,321.0	1,489.3	1,099.9	389.4	4,419.1	4,174.5	2,530.0	1,198.7	693.4	445.9	395.3	186.3	75.9
2022 Aug. Sep.	10,627.2 11,063.0	1,785.7 1,814.5	1,403.5 1,415.7	382.2 398.8	4,322.0 4,342.6	4,089.0 4,105.7	2,760.7 2,748.5	777.8 812.0	272.2 306.6	550.5 545.2	528.3 523.1	185.0 191.1	103.0 102.4
Sep. Oct.	11,036.0	1,814.5	1,415.7	418.4	4,342.0	4,105.7	2,748.5	812.0	306.6	545.2	523.1	191.1	92.4
Nov.	10,762.4	1,773.7	1,345.0	428.7	4,401.0	4,132.6	2,752.4	843.3	344.7	536.8	514.3	193.1	97.3
Dec. 2023 Jan.	10,517.9 10,585.0	1,618.6 1,642.4	1,231.6 1,231.2	387.0 411.2	4,343.5 4,392.0	4,093.8 4,124.2	2,712.1 2,706.4	848.6 895.1	353.7 397.6	533.2 522.7	510.2 498.8	180.5 188.7	84.1 94.3
Feb.	10,585.0	1,633.5	1,226.0	411.2	4,392.0	4,124.2	2,700.4	926.7	428.4	515.9	498.8	191.2	94.3
Mar.	10,553.8	1,618.0	1,210.4	407.6	4,368.3	4,092.1	2,625.3	959.7	462.3	507.2	480.5	197.9	98.8
Apr. May	10,564.3 10,653.7	1,632.8 1,622.7	1,227.7 1,229.8	405.1 392.9	4,370.1 4,384.2	4,099.8 4,108.2	2,620.9 2,613.0	980.3 1,004.7	482.3 504.1	498.6 490.6	470.4 460.2	199.5 201.6	93.6 97.9
June	10,577.7	1,530.6	1,149.6	381.0	4,378.1	4,110.1	2,586.3	1,040.5	541.1	483.3	450.2	196.6	90.9
July	10,743.2	1,563.0	1,159.8	403.2	4,382.4	4,116.2	2,569.6	1,070.7	572.0	475.9	439.9	197.0	90.2
Aug. Sep.	10,735.3 10,737.5	1,549.2 1,500.0	1,162.1 1,112.7	387.0 387.3	4,388.3 4,384.5	4,124.6 4,126.8	2,555.7 2,545.8	1,101.4 1,119.2	603.4 620.4	467.5 461.8	428.7 420.1	191.6 193.4	87.5 89.5
Oct.	10,797.9	1,530.0	1,132.1	398.0	4,398.0	4,135.1	2,528.3	1,151.4	653.5	455.4	410.8	198.1	88.2
Nov. Dec.	10,610.8 10,321.0	1,547.2 1,489.3	1,136.6 1,099.9	410.5 389.4	4,414.1 4,419.1	4,158.1 4,174.5	2,538.2 2,530.0	1,171.5 1,198.7	670.5 693.4	448.3 445.9	400.3 395.3	197.0 186.3	89.8 75.9
2024 Jan.	10,454.3	1,538.7	1,125.8	412.8	4,411.2	4,162.0	2,484.1	1,238.6	733.2	439.4	386.3	189.6	81.6
Feb.	10,584.8	1,553.3	1,134.8	418.5	4,408.0	4,160.5	2,466.4	1,259.7	753.8	434.4	378.9	191.6	82.1
Mar. Apr.	10,509.6 10,598.5	1,495.3 1,520.0	1,083.4 1,094.3	411.9 425.7	4,436.4 4,435.0	4,186.1 4,186.5	2,467.5 2,463.4	1,288.2 1,297.4	781.6 789.0	430.3 425.7	373.2 367.7	191.5 191.0	82.7 84.1
May	10,578.7	1,503.4	1,088.4	415.0	4,464.5	4,209.9	2,484.8	1,303.0	793.5	422.2	363.7	195.6	
		-	-	-	-	-	-			-	-	. (Changes ⁴
2015	- 191.4	- 62.1	- 50.3	- 11.9	104.1	104.8	153.2	- 37.0	- 10.1	- 11.3	4.2	- 0.4	- 0.3
2016 2017	184.3 8.0	- 31.6 30.6	- 2.2	- 29.4 15.8	105.7 124.2	105.2 107.7	124.3 145.8	- 11.1 - 32.5	1.4 - 15.3	- 8.0	2.4 1.5	2.7 16.4	1.9 5.8
2018	101.8	- 20.1	- 25.7	5.6	112.4	114.7	137.7	- 18.8	- 6.5	- 4.3	1.2	- 4.3	2.3
2019	483.4	12.6	- 10.0	22.6	132.1	120.0	154.1	- 30.6	- 6.6	- 3.4	- 0.6	10.6	8.7
2020 2021	769.5 207.2	340.0 133.4	317.0 103.4	23.0 30.0	244.9 107.3	188.4 96.2	277.6 141.4	- 74.7 - 45.8	- 34.9 - 23.3	- 14.5	- 7.2 3.9	18.7 16.6	1.8 13.6
2022 2023	1,170.5	- 15.6 - 133.9	- 105.9 - 138.4	90.3 4.5	208.9 89.6	165.9 93.4	60.6 - 172.3	132.8 347.9	148.1 338.5	- 27.5 - 82.3	- 26.3 - 109.9	18.4 7.1	12.8 - 7.1
2023 2022 Sep.	428.4	25.2	11.7	13.5	19.0	15.4	- 172.3	347.9	34.1	- 5.3	- 5.3	5.6	- 0.9
Oct.	- 19.3	24.2	3.8	20.3	17.2	16.2	- 7.3	26.6	28.2	- 3.1	- 3.3	- 0.7	- 9.7
Nov.	- 245.9	- 60.3	- 73.0	12.7	45.6	21.3	14.3	12.2	10.1	- 5.3	- 5.4	- 3.2	5.4
Dec. 2023 Jan.	- 225.1 87.5	- 152.7 23.3	- 112.7	- 40.0 23.3	- 55.4 49.1	- 37.3 30.9	- 39.2 - 10.4	5.6 46.7	9.4 44.0	- 3.7	- 4.1	- 11.9 8.2	- 12.8 10.1
Feb.	167.0	- 10.3	- 5.6	- 4.7	- 1.8	- 11.8	- 36.4	31.3	30.7	- 6.7	- 7.9	2.1	2.7
Mar.	- 195.2	- 13.4	- 14.7	1.3	- 21.7	- 20.0	- 44.1	32.8	33.5	- 8.7	- 10.3	7.1	1.8
Apr. May	16.7 91.9	15.5 - 10.1	17.5	- 1.9 - 12.1	2.4	8.1 8.4	- 4.1 - 7.9	20.8 24.3	20.2	- 8.6	- 10.1	1.8	- 5.1 4.2
June	- 65.9	- 90.3	- 79.4	- 11.0	- 6.3	1.5	- 26.3	35.0	36.1	- 7.3	- 9.9	- 4.7	- 6.9
July Aug.	170.6 - 15.1	31.5 - 13.3	10.4 2.8	21.1 - 16.1	4.9 6.4	6.5 7.9	- 16.4 - 13.6	30.2 30.0	31.0 30.7	- 7.3 - 8.5	- 10.3 - 11.2	- 0.6 - 4.4	- 0.7 - 2.4
Sep.	1.6	- 49.2	- 49.4	0.2	- 3.9	2.2	- 9.9	17.8	17.3	- 5.7	- 8.6	1.8	1.9
Oct.	68.3	30.9	19.9	11.0	13.8	8.5	- 17.4	32.3	33.1	- 6.4	- 9.4	4.7	- 1.2
Nov. Dec.	- 174.8	18.9 - 67.4	5.1	13.8 - 20.3	17.5 16.0	23.9 27.3	10.6 3.4	20.4 26.4	17.2 23.1	- 7.1	- 10.5 - 5.0	- 0.7	2.1
2024 Jan.	123.8	48.2	25.6	22.5	- 8.9	- 13.2	- 46.4	39.8	39.6	- 6.5	- 9.1	3.0	5.5
Feb. Mar.	132.1 - 75.2	14.8 - 57.9	9.0 - 51.4	5.8 - 6.6	- 3.2 28.4	- 1.5 25.6	- 17.7 1.2	21.1 28.5	20.7 27.8	- 5.0 - 4.1	- 7.3 - 5.7	2.0 - 0.1	0.4 0.6
Apr.	86.9	24.2	10.9	13.4	- 1.7	0.2	- 4.3	28.5 9.1	7.3	- 4.6	- 5.5	- 0.6	1.3
May	- 19.1	- 16.6	- 5.9	- 10.7	29.5	23.4	21.5	5.4	4.3	- 3.5	- 4.0	4.6	3.9
	+ This table as					ction II. Unlike		. (in all all a s	building and			·····	

 \star This table serves to supplement the "Overall monetary survey" in Section II. Unlike the other tables in Section IV, this table includes - in addition to the figures reported by

banks (including building and loan associations) - data from money market funds. ${\bf 1}$ See footnote 1 in Table IV.2. ${\bf 2}$ Excluding deposits of central governments.

								Debt securiti	es issued 3				
in other Men	nber States 2			Deposits of		1				1			
				central gover	rnments	Liabilities							
With agreed	maturities	At agreed no	otice		of which:	arising from	Money		of which:	Liabilities			
	of which:		of which:		domestic central	repos with non-banks	market fund		with maturities	to non- euro	Capital		
Total	up to 2 years	Total	up to 3 months	Total	govern- ments	in the euro area	shares issued 3	Total	of up to 2 years 3	area residents	and reserves	Other Liabilities 1	Period
End of ye	ear or mor	nth											
42.0		3.3		10.6	10.5	3.4	3.5	1,077.6	39.6	535.3	535.4		2014
42.2 43.9	16.0 15.8	3.3 3.1	2.8 2.6	11.3 8.6	9.6 7.9	2.5 2.2	3.5 2.4	1,017.7 1,030.3	48.3 47.2	526.2 643.4	569.3 591.5	971.1 906.3	2015 2016
63.2 56.7	19.7 15.8	2.9 2.8	2.6 2.5	9.4 11.3	8.7 10.5	3.3 0.8	2.1 2.4	994.5 1,034.0	37.8 31.9	603.4 575.9	686.0 695.6	658.8 610.7	2017 2018
59.0 75.6	16.5 30.6	2.7 2.6	2.4	12.0 49.8	11.2 48.6	1.5 9.4	1.9 2.5	1,063.2 1,056.9	32.3 21.2	559.4 617.6	728.6 710.8	935.6 1,031.3	2019 2020
80.7 94.3	22.8 32.4	2.4 2.2	2.2 2.0	44.2 69.2	43.5 66.8	2.2 3.4	2.3 2.7	1,110.8 1,185.1	27.5 40.8	757.2 800.4	732.3 747.2	809.0 1,817.1	2021 2022
108.4	37.8	2.0	1.6	58.3	52.0	5.0	3.2	1,279.0	80.5	723.0	784.8	1,617.7	2023
79.7 86.4	24.3 31.2	2.3 2.3	2.1 2.1	47.9 45.9	44.0 43.3	4.8 3.2	2.4 2.5	1,183.7 1,203.3	38.6 45.8	950.2 987.2	741.8 758.0	1,636.6 1,951.6	2022 Aug. Sep.
95.4 93.5 94.3	39.7 31.3 32.4	2.2 2.2 2.2	2.1 2.0 2.0	47.6 75.4 69.2	44.9 71.1 66.8	4.0 4.7 3.4	2.6 2.6 2.7	1,202.6 1,202.3 1,185.1	39.4 42.2 40.8	980.8 939.7 800.4	751.8 747.3 747.2	1,897.2 1,691.1 1,817.1	Oct. Nov. Dec.
92.3 91.8	30.4 30.0	2.2	2.0 2.0 1.9	79.1 87.0	73.8 82.5	3.9 5.0	2.5 2.4	1,205.2	47.4	890.6 901.8	728.9	1,719.6	2023 Jan. Feb.
97.0	28.5	2.1	1.9	78.2	73.3	4.7	2.6	1,231.2	64.6	863.1	734.8	1,731.0	Mar.
103.7 101.6 103.6	33.9 30.7 32.5	2.1 2.1 2.0	1.9 1.8 1.8	70.8 74.4 71.4	65.9 62.4 64.0	5.4 6.0 4.8	2.8 2.6 2.6	1,235.3 1,257.3 1,253.9	67.3 72.3 75.7	856.2 888.2 853.4	735.7 746.9 749.6	1,726.0 1,745.8 1,804.7	Apr. May June
104.8	33.2	2.0	1.7	69.2	61.5	6.5	2.9	1,262.0	76.3	855.0	757.2	1,914.3	July
102.0 102.0	32.4 32.6	2.0 2.0	1.7 1.7	72.2 64.3	61.5 60.0	5.8 4.9	3.0 3.0	1,271.3 1,280.7	83.5 82.6	840.0 825.8	765.2 765.1	1,912.5 1,973.5	Aug. Sep.
107.9 105.2	37.8 34.5	2.0 2.0	1.6 1.6	64.8 59.1	59.7 55.1	6.2 6.6	2.9 3.0	1,288.5 1,286.3	84.7 83.6	843.9 805.3	755.9 769.5	1,972.3 1,778.8	Oct. Nov.
108.4 106.1	37.8 35.6	2.0 1.9	1.6 1.6	58.3 59.5	52.0 50.5	5.0 9.1	3.2 3.3	1,279.0 1,304.0	80.5 83.0	723.0 775.3	784.8 756.5	1,617.7 1,656.1	Dec. 2024 Jan.
107.6	39.2 37.5	1.9 1.9	1.5	55.9 58.8	49.5 49.9	10.0 9.1	3.3 3.5	1,316.2	83.3 82.7	831.9 834.2	749.6	1,712.5	Feb. Mar.
105.0 105.8	35.6 34.8	1.9 1.9	1.5 1.5	57.4 59.0	49.2 49.5	9.5 8.7	3.7 3.8	1,324.9 1,327.1	77.3 75.8	821.9 833.2	746.5	1,736.9 1,681.2	Apr. May
Changes		1.5		55.0	45.5	0.7	5.0	1,527.1	75.0	055.2	1 1 50.7	1,001.2	Widy
- 0.1	0.0	- 0.0	- 0.1	- 0.4 - 2.2	- 1.9 - 1.2	- 1.0 - 0.3	- 0.0 - 1.1	- 86.8	- 7.7	- 30.3 116.1	28.0 26.4	- 143.2 - 39.5	2015 2016
10.8	4.2	- 0.1 - 0.1	- 0.0 - 0.1	- 0.0	- 0.0	- 2.6	- 0.3	- 3.3 30.0	- 8.5 - 5.9	- 16.1 - 36.0	34.1	- 162.3 10.3	2017 2018
2.0	0.6	- 0.1	- 0.1	1.4	1.4	5.6	- 0.5	22.3	0.1	- 47.9	30.0	329.1	2019
17.0 3.1	- 8.0	- 0.1	- 0.1	37.8	37.3	- 7.9	0.6 0.3	11.8 40.6	- 9.3 6.9	61.6 124.9	- 1.5	108.5	2020 2021
5.8 14.4	8.5 6.7	- 0.3 - 0.2	- 0.2 - 0.4	24.6 - 10.9	23.0 - 14.8	1.2 1.8	0.4 0.5	67.2 110.6	12.6 43.1	45.6 - 55.7	5.0 43.3	857.7 - 189.9	2022 2023
6.5 9.1	6.7 8.7	- 0.0 - 0.0	- 0.0	- 2.0	- 0.7	- 1.6 0.8	0.1	15.8 1.8	7.0 - 6.3	31.8 - 2.8	14.9 - 5.3	323.1 - 55.3	2022 Sep.
- 8.6	- 8.3 0.9	- 0.0 - 0.0 - 0.0	- 0.0 - 0.0 - 0.0	1.7 27.5 - 6.3	1.6 25.8 - 4.3	0.8 0.8 - 1.3	0.1 0.0 0.1	7.4 - 11.5	- 6.3 2.4 - 1.2	- 2.8 - 29.9 - 132.1	- 5.3 - 1.1 1.9	- 55.3 - 208.4 125.9	Oct. Nov. Dec.
- 1.9	- 1.8 - 0.6	- 0.0 - 0.0	- 0.0 - 0.0	9.9 7.9	6.9 8.7	0.5	- 0.2 - 0.1	22.4	6.6 8.1	95.0	- 17.6 - 5.0	- 85.0	2023 Jan. Feb.
5.3	- 1.4	- 0.0 - 0.0	- 0.0 - 0.0	- 8.8 - 7.4	- 9.2 - 7.4	- 0.3	0.3	13.6	9.2	- 33.8	11.2 1.8	- 151.2	Mar. Apr.
- 3.1	- 3.3 2.0	- 0.0 - 0.0	- 0.0 - 0.0	- 3.0	- 3.5 1.6	0.6	- 0.1 - 0.0	23.4 0.4	6.5 4.1	- 28.3	9.4 3.6	23.5 56.2	May June
- 2.1	0.7 - 0.1	- 0.0 - 0.0	- 0.0 - 0.0	- 2.1 2.9	- 2.5 - 0.0	1.7 - 0.7	0.3 0.1	10.2 7.0	0.7 7.1	4.2 - 18.9	8.1 7.2	109.7 - 2.8	July Aug.
- 0.1 5.9	0.3 5.2	- 0.0 - 0.0	- 0.0 - 0.0	- 7.9 0.6	- 1.5 - 0.3	- 0.9 1.4	0.1	10.3 8.3	0.0 2.2	- 14.2 19.1	- 1.0 - 4.6	60.4 - 0.4	Sep. Oct.
- 2.8 3.3	- 3.2 3.4	- 0.0 - 0.0	- 0.0 - 0.0	- 5.7 - 0.8	- 4.6 - 3.1	- 1.6	0.1 0.1	- 5.6	- 1.0 - 3.0	- 32.8 - 80.1	14.8 15.3	- 195.8 - 163.0	Nov. Dec.
- 2.5 1.5	- 2.3 3.6	- 0.0 - 0.0	- 0.0 - 0.0	1.2 - 3.6	- 1.5 - 1.0	4.1 0.8	0.1 0.0	21.1 12.5	2.4 0.2	48.0 56.7	- 29.3 - 6.4	40.5 57.0	2024 Jan. Feb.
- 0.7	- 1.7 - 2.1	- 0.0 - 0.0	- 0.0 - 0.0	2.9	0.5 - 0.8	- 0.9 0.4	0.2	3.6 3.6	- 0.6 - 5.4	2.0	6.6 - 10.0	- 57.1 84.4	Mar. Apr.
0.8	- 0.8	- 0.0		1.5	0.3		0.1	1.8	- 2.0	11.2	10.6		May

 ${\bf 3}$ In Germany, debt securities with maturities of up to one year are classed as money market paper; up to the January 2002 Monthly Report they were published together

with money market fund shares. ${\bf 4}$ Statistical breaks have been eliminated from the flow figures (see also footnote * in Table II.1).

2. Principal assets and liabilities of banks (MFIs) in Germany, by category of banks *

	€ billion												
				Lending to b	anks (MFIs)		Lending to n	on-banks (nor	-MFIs)				
					of which:			of which:					
			Cash in					Loans					
			hand and credit										
	Number of reporting	Balance	balances with		Balances	Securities		for up to and	for		Securities	Partici-	
End of month	institu- tions	sheet total 1	central banks	Total	and loans	issued by banks	Total	including 1 year	more than 1 year	Bills	issued by non-banks	pating interests	Other assets 1
	All categ	ories of b	anks									· · · ·	
2023 Dec.	1,334	10,397.8	71.2	3,447.6	2,963.8	479.9	5,004.5	453.0	3,824.2	0.	1 714.1	97.3	1,777.1
2024 Jan. Feb.	1,335 1,334	10,534.7 10,669.6	89.9 64.3	3,537.5 3,622.7	3,042.7 3,122.5	491.0 496.3	5,033.8 5,056.1	476.4 485.2	3,822.3 3,829.4	0. 0.		96.8 96.2	1,776.6 1,830.3
Mar.	1,333	10,597.2	65.1	3,580.4	3,074.4	502.4	5,068.9	480.5	3,829.3	0.	1 743.3	96.5	1,786.4
Apr. May	1,330 1,330	10,690.1 10,674.3	63.1 61.0	3,575.2 3,599.6	3,068.4 3,088.9	503.7 507.2	5,078.4 5,088.1	493.8 495.0	3,832.7 3,838.3	0. 0.		97.0 97.2	1,876.4 1,828.4
	Commer	cial banks	6		_				_	_			
2024 Apr. May	239 239	4,988.8 4,957.4	22.6 21.9	1,715.0 1,724.2	1,620.0 1,626.5		1,674.5 1,677.3		1,056.2 1,057.9	0. 0.	1 274.9 1 276.6	30.3 30.5	1,546.5 1,503.5
	Big bank	s ⁷											
2024 Apr. May	3 3	2,505.5 2,466.0	9.8 9.8	714.6 716.4	675.2 676.0	39.5 40.4	769.1 769.4	163.8 164.8	448.7 449.4	0. 0.			987.5 945.7
	Regional	banks an	d other co	mmercial	banks								
2024 Apr. May	127 127	1,986.3 2,005.9	9.3 8.9	685.7 702.8	633.8 649.3	51.5 53.2	746.9 750.9	120.2 122.6	507.9 509.1	0.		4.9 4.8	539.6 538.4
	Branches	of foreig	n banks							•	•		
2024 Apr. May	109 109	497.1 485.4	3.5 3.2	314.7 305.0			158.5 157.0	48.0 46.7	99.7 99.5		- 9.9 - 10.1	0.9 0.9	19.5 19.4
,	Landesba	anken	•		•	•				•			
2024 Apr. May	6 6	894.6 900.7	2.2 2.5	336.1 341.9	279.0 284.8		431.5 434.3	47.1 46.6	344.2 345.0	0. 0.	37.5 38.5	9.6 9.6	115.2 112.4
	Savings b	anks	-	-	-	-	-		-	-	-		· -
2024 Apr. May	352 352	1,552.2 1,555.5	20.4 19.3	269.3 273.4	148.5 153.0	120.8 120.3	1,220.1 1,220.1	54.4 54.1	997.8 998.0		- 167.8 - 167.8		25.8 26.0
,	Credit co	operative	s			•				•			
2024 Apr. May	694 694	1,176.3 1,182.8	12.8 11.6	215.6 220.9	104.4 109.6		895.8 898.1	35.0 34.9	742.9 745.3		0 117.9 0 117.8		
	Mortgag	e banks											
2024 Apr. May	7 7		0.1 0.1				198.4 197.7	2.9 2.7	182.0 181.4		- 13.5 - 13.5		5.4 5.5
	Building	and loan a	associatio	ns									
2024 Apr. May	14 14	258.1 258.6	0.2 0.4		24.2 24.2	15.6 15.7	214.3 214.4		192.0 192.4		. 21.1 . 20.7	0.2 0.2	3.7 3.7
	Banks wi	th special	, developr	nent and	other cen	tral suppo	rt tasks						
2024 Apr. May	18 18						443.9 446.3				- 101.0 0 102.4		
	Memo ite	em: Fore	eign bank	5 8									
2024 Apr. May	140 140	2,439.1 2,420.6					739.9 741.9		435.5 436.6		1 136.2 1 139.4		819.3 801.2
	of which	: Banks m	ajority-ow	ned by fo	reign ban	ıks ⁹							
2024 Apr. May	31 31	1,942.0 1,935.1	6.5 6.2				581.4 584.9		335.9 337.1	0. 0.	1 126.2 1 129.3		

* Assets and liabilities of monetary financial institutions (MFIs) in Germany. The assets and liabilities of foreign branches, of money market funds (which are also classified as MFIs) and of the Bundesbank are not included. For the definitions of the respective items, see the footnotes to Table IV.3. 1 Owing to the Act Modernising Accounting Law (Gesetz zur Modernisierung des Bilanzrechts) of 25 May 2009, derivative financial instruments in the trading portfolio (trading portfolio derivatives) within the meaning of

Section 340e (3) sentence 1 of the German Commercial Code (Handelsgesetzbuch) read in conjunction with Section 35 (1) number 1a of the Credit Institution Accounting Regulation (Verordnung über die Rechnungslegung der Kreditinstitute) are classified under "Other assets and liabilities" as of the December 2010 reporting date. Trading portfolio derivatives are listed separately in the Statistical Series Banking statistics, in Tables I.1 to I.3. **2** For building and Ioan associations: including deposits under savings

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IV. Banks

ſ	Deposits of	banks (MFIs)		Deposits of	non-banks (r	ion-MFIs)							Capital		
ľ		of which:			of which:]	including published		
						Time deposi	its 2		Savings dep	osits 4			reserves, partici-		
	Total	Sight deposits	Time deposits	Total	Sight deposits	for up to and including 1 year	for more than 1 year 2	Memo item: Liabilities arising from repos 3	Total	of which: At 3 months' notice	Bank savings bonds	Bearer debt securities out- standing 5	pation rights capital, funds for general banking risks	Other liabi- lities 1	End of month
												All ca	tegories	of banks	
	2,023.8	607.5	1,416.3	4,609.7	2,717.1	615.3	683.6	66.0	450.5	399.1	143.2	1,365.0	611.8	1,787.5	2023 Dec.
	2,105.4 2,160.6 2,124.4	675.4 695.9 661.5	1,430.0 1,464.7 1,462.9	4,625.9 4,639.5 4,647.7	2,697.1 2,690.2 2,672.0	647.0 668.5 692.5	685.4 683.4 686.5	88.1 97.3 79.1	444.0 439.0 434.9	390.0 382.6 376.8	152.5 158.4 161.8	1,379.1 1,386.3 1,400.3	611.0 610.9 615.4	1,813.2 1,872.3 1,809.3	2024 Jan. Feb. Mar.
	2,124.0 2,122.4	685.4 712.2	1,438.5 1,410.2	4,659.1 4,684.0	2,682.6 2,709.0	695.3 692.6	685.0 687.4	90.9 87.4	430.2 426.7	371.3 367.2	166.0 168.3	1,393.5 1,395.6	619.0 626.0	1,894.5 1,846.3	Apr. May
												Co	ommercia	l banks 6	
	1,143.9 1,147.9	525.7 552.0	618.1 595.9	1,923.7 1,928.8	1,176.8 1,181.9		246.5 248.2	89.2 85.3	86.5 86.1	56.9 55.9	52.2 51.7	218.4 219.0	•		2024 Apr. May
	426.4	107.2	220.1		L 5344	202.0		16.6	70.4	10.0		164.0		g banks ⁷	2024 4-2
	436.4 439.8	197.3 192.8	239.1 247.0	880.0 880.9	524.1 528.0		70.9 70.9	46.6 44.7	78.4 78.1	49.6 48.8	3.9	164.0 164.2		•	2024 Apr. May
												nd other o			
	471.3 483.2	216.7 246.7	254.7 236.5	821.8 828.3	508.3 509.4		152.1 153.7	42.6 40.5	7.9 7.7	7.0 6.9					2024 Apr. May
	236.1	111.8	124.3	221.8	144.5	53.6	23.5	0.0	0.2	0.2	0.1	Brancnes	s of foreig		2024 Apr.
	225.0	112.5	112.5	219.6	144.6	51.1	23.6	0.0	0.2	0.2	0.1	1.5	17.4	21.9	May
	200 F	31.7	177.8	292.7	140.2	77.6	69.2		1 42	1 42	I 31	228.2	Lande	sbanken	2024 Apr
	209.5 209.2	37.8	177.8	301.0	140.3 153.9		68.3 68.2	0.8 0.9	4.3 4.3	4.3 4.3	2.1 2.1	228.9	44.2	117.4	2024 Apr. May
	156.0		151.0	1 1 1 6 6 7	1 759.4		10.8	1		196.0	I 96.4	l 22.0		gs banks	2024 Apr
	156.9 153.5	5.0 3.2	151.9 150.4	1,166.3 1,172.0	758.4 762.1				205.7 203.6	186.9 184.9	86.4 88.7	23.9 23.4	141.9 143.3		2024 Apr. May
	456.2		452.6	L 051 7	L 534.4	1007	1 49 7 1			1 122 0	1 240		redit coo		2024.4
	156.3 156.7	2.7 2.6	153.6 154.1	861.7 867.1	531.1 534.0		42.7 43.4		133.3 132.3	122.8 121.7	24.8 25.4	9.1 9.0		43.0 42.3	2024 Apr. May
														ge banks	
	43.0 42.4	3.4 3.3	39.6 39.1	54.7 54.6	2.1 2.3	6.1 5.8	46.6 46.5	0.5 0.4	-	-	-	109.0 108.5	•	•	2024 Apr. May
											Buil	ding and	loan ass	ociations	
	37.3 37.5	2.5 2.8	34.7 34.7	192.5 192.5	4.0 4.1		185.0	-	0.4 0.4	0.4	0.1	7.5	13.1	7.8 7.9	2024 Apr. May
										developm -					
	377.1 375.1		262.8 264.6	167.5 168.0	69.9 70.6		75.9 76.0	0.3 0.9	-	-		797.5 799.2	89.4 89.4		2024 Apr. May
												lemo iten			
	680.0 679.9	337.3 363.2	342.7 316.7	799.7 797.8	499.9 501.4				8.0 7.8	7.6 7.4	27.0 27.2				2024 Apr. May
									of whi	ch: Banks	majority	-owned b	by foreigr	n banks ⁹	
	443.9 454.9	225.5 250.6	218.4 204.2	577.9 578.3	355.4 356.8			48.7 47.0	7.7 7.6	7.4 7.2	27.0 27.2	50.0 49.5	85.5 86.1		2024 Apr. May

and loan contracts (see Table IV.12). **3** Included in time deposits. **4** Excluding deposits under savings and loan contracts (see also footnote 2). **5** Including subordinated negotiable bearer debt securities; excluding non-negotiable bearer debt securities. **6** Commercial banks' and "Branches of foreign banks", "Regional banks and other commercial banks" and "Branches of foreign banks". **7** Deutsche Bank AG, Dresdner Bank AG (up to Nov. 2009), Commerzbank AG, UniCredit Bank AG (formerly Bayerische Hypo- und Vereinsbank AG), Deutsche Postbank AG (from December 2004 up to April 2018) and DB Privat- und Firmenkundenbank AG (from May 2018) (see the explanatory notes in the Statistical Series Banking statistics, Table I.3, banking group "Big banks").
8 Sum of the banks majority-owned by foreign banks and included in other categories of banks and the category "Branches (with dependent legal status) of foreign banks".
9 Separate presentation of the banks majority-owned by foreign banks included in other banking categories.

3. Assets and liabilities of banks (MFIs) in Germany vis-à-vis residents *

	€ billion												
			Lending to do	omestic banks ((MFIs)			_	Lending to o	domestic non-	banks (non-N	/IFIs)	
Period	Cash in hand (euro area banknotes and coins)	Credit balances with the Bundes- bank	Total	Credit balances and loans	Bills	Negotiable money market paper issued by banks	Securities issued by banks	Memo item: Fiduciary Ioans	Total	Loans	Bills	Treasury bills and negotiable money mar- ket paper issued by non-banks	Securities issued by non- banks 1
											En	d of year o	r month *
2014	18.9	81.3	1,425.9	1,065.6	0.0	2.1	358.2	1.7	3,167.3	2,712.2	0.4	0.7	454.0
2015	19.2	155.0	1,346.6	1,062.6	0.0	1.7	282.2	1.7	3,233.9	2,764.0	0.4	0.4	469.0
2016	25.8	284.0	1,364.9	1,099.8	0.0	0.8	264.3	2.0	3,274.3	2,823.8	0.3	0.4	449.8
2017	31.9	392.5	1,407.5	1,163.4	0.0	0.7	243.4	1.9	3,332.6	2,894.0	0.4	0.7	437.5
2018	40.4	416.1	1,323.5	1,083.8	0.0	0.8	239.0	5.9	3,394.5	2,990.2	0.2	0.2	403.9
2019	43.2	476.6	1,254.7	1,016.2	0.0	0.7	237.9	4.5	3,521.5	3,119.2	0.3	3.3	398.7
2020	47.2	792.9	1,367.9	1,119.7	0.0	0.7	247.5	8.8	3,647.0	3,245.1	0.2	4.0	397.7
2021	49.4	905.0	1,409.6	1,163.7	-	0.5	245.3	10.3	3,798.1	3,392.4	0.3	2.6	402.8
2022	19.8	67.3	2,347.0	2,101.4	-	1.0	244.6	12.1	4,015.6	3,613.1	0.2	2.7	399.6
2023	18.5	52.0	2,280.7	2,029.3	-	0.8	250.6	24.2	4,044.1	3,649.9	0.1	0.9	393.3
2022 Dec.	19.8	67.3	2,347.0	2,101.4	-	1.0	244.6	12.1	4,015.6	3,613.1	0.2	2.7	399.6
2023 Jan.	18.0	89.5	2,443.6	2,198.1		1.0	244.5	12.7	4,016.2	3,622.4	0.1	4.3	389.4
Feb.	17.8	52.2	2,471.9	2,222.2	-	1.0	248.8	12.8	4,030.2	3,629.4	0.1	2.9	397.9
Mar.	17.7	53.5	2,426.8	2,175.1		1.0	250.7	12.6	4,030.5	3,634.7	0.1	4.3	391.4
Apr.	18.7	54.2	2,434.7	2,182.3	-	1.1	251.3	12.7	4,032.5	3,641.2	0.1	3.2	388.1
May	18.1	48.7	2,483.6	2,230.4		0.8	252.4	12.7	4,039.0	3,650.5	0.1	2.2	386.2
June	17.5	51.6	2,366.1	2,114.1		0.9	251.0	12.7	4,042.1	3,645.6	0.1	2.9	393.5
July	17.0	69.9	2,369.8	2,118.4		1.1	250.3	12.8	4,048.7	3,653.9	0.1	3.2	391.6
Aug.	17.3	46.7	2,392.0	2,139.7		1.2	251.1	12.9	4,046.7	3,649.9	0.1	2.5	394.2
Sep.	17.9	49.6	2,305.0	2,056.1		1.0	247.8	12.9	4,048.1	3,653.5	0.1	3.4	391.1
Oct.	17.4	62.2	2,351.7	2,102.8		0.8	248.0	13.1	4,051.9	3,656.6	0.1	3.0	392.2
Nov.	16.7	45.5	2,375.9	2,122.3		0.9	252.7	13.3	4,057.9	3,661.2	0.1	3.1	393.6
Dec.	18.5	52.0	2,280.7	2,029.3		0.8	250.6	24.2	4,044.1	3,649.9	0.1	0.9	393.3
2024 Jan.	16.1	73.1	2,330.7	2,070.9		0.8	259.0	28.1	4,048.3	3,649.5	0.0	1.4	397.4
Feb.	16.2	47.5	2,376.9	2,112.0		0.8	264.1	31.6	4,055.7	3,654.0	0.1	0.5	401.2
Mar.	17.5	46.9	2,325.4	2,058.2		0.7	266.5	34.3	4,061.0	3,658.4	0.1	0.5	402.1
Apr.	16.4	46.0	2,319.4	2,050.6	-	0.7	268.1	38.0	4,062.1	3,661.7	0.0	1.7	398.6
May	16.6	43.7	2,317.4	2,047.9		0.8	268.7	41.5	4,069.5	3,666.0	0.1	1.2	402.2
													hanges *
2015 2016 2017 2018 2019	+ 0.3 + 6.5 + 6.1 + 8.5 + 2.8	+ 73.7 + 129.1 + 108.4 + 24.0 + 59.7	- 80.7 + 48.1 + 50.3 - 81.0 - 63.0	- 4.3 + 66.9 + 70.4 - 76.6 - 61.1	- 0.0 - 0.0 + 0.0 - 0.0	$\begin{array}{rrrr} - & 0.4 \\ - & 0.9 \\ + & 0.0 \\ + & 0.1 \\ - & 0.2 \end{array}$	- 75.9 - 17.9 - 20.1 - 4.4 - 1.6	- 0.1 + 0.4 - 0.1 + 3.8 - 1.4	+ 68.9 + 43.7 + 57.0 + 71.5 + 126.7	+ 54.1 + 62.8 + 70.2 + 105.4 + 129.1	$\begin{array}{rrrr} - & 0.0 \\ - & 0.1 \\ + & 0.0 \\ - & 0.1 \\ + & 0.1 \end{array}$	$\begin{array}{rrrr} - & 0.3 \\ - & 0.1 \\ + & 0.4 \\ - & 0.5 \\ + & 3.1 \end{array}$	+ 15.1 - 18.9 - 13.6 - 33.2 - 5.5
2020	+ 4.1	+ 316.4	+ 201.2	+ 191.6	- 0.0	+ 0.0	+ 9.6	+ 4.3	+ 123.2	+ 123.6	- 0.1	+ 0.7	- 1.0
2021	+ 2.2	+ 111.8	+ 44.1	+ 46.3	- 0.0	- 0.2	- 2.0	+ 1.5	+ 152.2	+ 147.8	+ 0.0	- 2.2	+ 6.6
2022	- 29.6	- 836.6	+ 938.0	+ 938.1	-	+ 0.2	- 0.3	+ 1.7	+ 216.7	+ 220.1	- 0.1	+ 0.1	- 3.3
2023	- 1.3	- 15.3	- 65.5	- 71.2	-	- 0.2	+ 5.9	+ 1.9	+ 30.9	+ 39.0	- 0.1	- 1.8	- 6.2
2022 Dec.	+ 1.0	- 19.9	- 177.4	- 169.9	-	- 0.5	- 7.0	+ 1.0	- 9.6	- 11.7	+ 0.0	- 0.9	+ 2.9
2023 Jan. Feb. Mar.	- 1.8 - 0.2 - 0.1	+ 22.2 - 37.4 + 1.3	+ 96.7 + 28.6 - 45.1	+ 96.7 + 24.3 - 47.0	-	$ \begin{array}{rrrrr} + & 0.0 \\ + & 0.0 \\ + & 0.0 \end{array} $	- 0.1 + 4.3 + 1.9	+ 0.6 + 0.2 - 0.1	+ 0.6 + 13.3 + 0.9	+ 9.2 + 6.3 + 6.0	$\begin{array}{rrr} - & 0.1 \\ - & 0.0 \\ + & 0.0 \end{array}$	+ 1.6 - 1.5 + 1.4	- 10.3 + 8.5 - 6.5
Apr.	+ 1.0	+ 0.7	+ 7.8	+ 7.2		+ 0.1	+ 0.6	+ 0.1	+ 2.1	+ 6.5	+ 0.0	- 1.2	- 3.2
May	- 0.7	- 5.5	+ 48.9	+ 48.1		- 0.3	+ 1.1	- 0.0	+ 6.5	+ 9.4	+ 0.0	- 1.0	- 1.9
June	- 0.5	+ 2.9	- 116.9	- 115.7		+ 0.1	- 1.3	+ 0.0	+ 4.4	- 3.7	- 0.0	+ 0.7	+ 7.4
July	- 0.5	+ 18.4	+ 3.7	+ 4.3		+ 0.2	- 0.8	+ 0.1	+ 6.6	+ 8.3	- 0.0	+ 0.2	- 1.9
Aug.	+ 0.3	- 23.2	+ 22.2	+ 21.3		+ 0.1	+ 0.8	+ 0.1	- 1.9	- 4.0	+ 0.0	- 0.6	+ 2.7
Sep.	+ 0.6	+ 2.8	- 87.0	- 83.6		- 0.2	- 3.3	+ 0.1	+ 1.3	+ 3.7	+ 0.0	+ 0.9	- 3.2
Oct.	- 0.5	+ 12.7	+ 46.8	+ 46.8		- 0.2	+ 0.2	+ 0.2	+ 3.7	+ 3.0	- 0.0	- 0.4	+ 1.1
Nov.	- 0.6	- 16.7	+ 24.2	+ 19.5		+ 0.1	+ 4.6	+ 0.1	+ 6.1	+ 4.7	+ 0.0	+ 0.1	+ 1.3
Dec.	+ 1.8	+ 6.5	- 95.5	- 93.3		- 0.1	- 2.0	+ 0.6	- 12.7	- 10.3	- 0.0	- 2.2	- 0.2
2024 Jan.	- 2.4	+ 21.1	+ 48.6	+ 40.3		- 0.0	+ 8.4	+ 3.9	+ 4.0	- 0.5	- 0.0	+ 0.5	+ 4.0
Feb.	+ 0.0	- 25.6	+ 46.3	+ 41.2		- 0.0	+ 5.1	+ 3.4	+ 6.7	+ 3.7	+ 0.0	- 0.9	+ 3.8
Mar.	+ 1.3	- 0.6	- 51.5	- 53.8		- 0.1	+ 2.3	+ 2.8	+ 5.3	+ 4.4	+ 0.0	- 0.1	+ 0.9
Apr.	- 1.1	- 0.8	- 5.9	- 7.5	-	+ 0.0	+ 1.6	+ 3.7	+ 1.1	+ 3.3	- 0.0	+ 1.3	- 3.5
May	+ 0.2	- 2.4	- 2.0	- 2.7		+ 0.1	+ 0.6	+ 3.5	+ 7.4	+ 4.3	+ 0.0	- 0.5	+ 3.6

 * See Table IV.2, footnote *; statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in the following Monthly Report, are not specially marked.
 1 Excluding debt securities arising from the exchange of

equalisation claims (see also footnote 2). 2 Including debt securities arising from the exchange of equalisation claims. 3 Including liabilities arising from registered debt securities, registered money market paper and non-negotiable bearer debt securities;

			Deposits of	domestic bar	nks (MFIs) 3			Deposits of	domestic no	n-banks (non	-MFIs)			1
		Partici- pating	500000					5 0 0 0 0						1
Equalisa- tion	Memo item: Fiduciary	interests in domestic banks and		Sight deposits	Time deposits	Redis- counted	Memo item: Fiduciary		Sight de-	Time deposits	Savings de-	Bank savings	Memo item: Fiduciary	
claims 2	loans	enterprises	Total	4	4	bills 5	loans	Total	posits	6	posits 7	bonds 8	loans	Period
End of y	ear or me													
-	26.5 20.4	94.3 89.6	1,111.9 1,065.6	127.8 131.1	984.0 934.5	0.0	11.7 6.1	3,118.2 3,224.7	1,517.8 1,673.7	926.7 898.4	607.8 596.5	66.0 56.1	30.9 29.3	2014 2015
	19.1 19.1 18.0 17.3	91.0 91.0 88.1 90.9 90.4	1,003.0 1,032.9 1,048.2 1,020.9 1,010.2	129.5 110.7 105.5 107.2	903.3 937.4 915.4 902.9	0.0 0.1 0.0 0.0 0.0	5.6 5.1 4.7 4.4	3,224.7 3,326.7 3,420.9 3,537.6 3,661.0	1,798.2 1,941.0 2,080.1 2,236.3	898.4 889.6 853.2 841.5 816.2	590.3 588.5 582.9 578.6 575.2	50.1 50.4 43.7 37.3 33.2	29.3 28.8 30.0 33.9 32.5	2013 2016 2017 2018 2019
	23.5 25.7 25.6 23.8	78.3 79.2 80.3 80.3	1,236.7 1,338.4 1,231.6 1,099.9	125.0 117.2 136.9 137.9	1,111.6 1,221.3 1,094.7 962.0	0.0 0.0 0.0 0.0	13.1 16.4 15.7 13.5	3,885.2 3,976.3 4,162.0 4,229.0	2,513.0 2,654.6 2,720.6 2,540.8	783.3 736.0 873.5 1,100.1	560.6 561.2 533.2 445.9	28.3 24.5 34.6 142.2	34.4 34.2 35.9 50.1	2020 2021 2022 2023
-	25.6	80.3	1,231.6	136.9	1,094.7	0.0	15.7	4,162.0	2,720.6	873.5	533.2	34.6	35.9	2022 Dec.
	25.6 25.6 24.6	80.0 80.2 80.3	1,231.2 1,226.0 1,210.4	142.6 140.7 137.0	1,088.7 1,085.3 1,073.4	0.0 0.0 0.0	15.6 15.6 15.2	4,199.7 4,197.1 4,167.4	2,722.8 2,687.7 2,639.8	913.5 947.9 968.6	522.7 516.0 507.2	40.6 45.5 51.7	36.9 37.2 36.4	2023 Jan. Feb. Mar.
	24.7 24.7 24.4	80.9 81.1 81.2	1,227.7 1,229.8 1,149.6	140.8 137.8 134.0	1,086.9 1,091.9 1,015.6	0.0 0.0 0.0	15.2 15.1 14.6	4,167.3 4,172.9 4,176.3	2,632.0 2,623.9 2,600.9	978.5 993.0 1,020.0	498.6 490.6 483.3	58.3 65.4 72.1	36.5 36.6 36.5	Apr. May June
	24.4 24.4 24.2	81.0 80.3 80.4	1,159.8 1,162.1 1,112.7	134.8 138.5 137.4	1,025.0 1,023.7 975.3	0.0 0.0 0.0	14.6 14.5 14.1	4,180.2 4,188.4 4,189.3	2,582.2 2,568.4 2,558.0	1,042.9 1,061.7 1,072.5	475.9 467.5 461.8	79.1 90.7 97.0	36.7 36.9 37.1	July Aug. Sep.
	24.1 24.0 23.8	80.3 80.6 80.3	1,132.1 1,136.6 1,099.9	136.7 140.0 137.9	995.4 996.7 962.0	0.0 0.0 0.0	14.0 14.0 13.5	4,198.0 4,217.3 4,229.0	2,544.5 2,552.9 2,540.8	1,086.5 1,085.6 1,100.1	455.4 448.3 445.9	111.6 130.5 142.2	37.3 37.6 50.1	Oct. Nov. Dec.
	23.7 23.7 23.5	80.3 80.1 80.3	1,125.8 1,134.8 1,083.4	155.3 161.4 159.4	970.5 973.4 924.0	0.0 0.0 0.0	13.4 13.3 12.8	4,216.3 4,213.6 4,239.0	2,496.8 2,478.3 2,479.2	1,128.7 1,143.5 1,168.8	439.4 434.4 430.3	151.4 157.3 160.7	54.5 57.5 60.2	2024 Jan. Feb. Mar.
-	23.4 23.5	80.8 81.0	1,094.3 1,088.4	160.6 158.0	933.8 930.5	0.0 0.0	12.7 12.7	4,239.6 4,263.3	2,475.4 2,497.0	1,173.6 1,176.9	425.8 422.2	164.8 167.2	63.7 66.9	Apr. May
Changes														
	- 2.1 - 1.3 - 0.0 - 1.0 - 0.7	- 4.3 + 1.5 - 1.6 + 3.1 + 0.1	- 46.6 - 1.7 + 11.0 - 25.0 - 8.6	+ 3.3 + 0.3 - 18.4 - 3.1 + 1.6	- 50.0 - 2.0 + 29.4 - 21.9 - 10.2	$\begin{array}{rrrr} + & 0.0 \\ + & 0.0 \\ - & 0.0 \\ + & 0.0 \\ + & 0.0 \end{array}$	- 1.3 - 0.5 - 0.5 - 0.4 - 0.3	+ 106.5 + 104.7 + 103.1 + 117.7 + 122.5	+ 156.2 + 124.5 + 142.8 + 139.3 + 155.8	- 28.3 - 6.9 - 27.5 - 10.8 - 25.7	- 11.3 - 7.9 - 5.6 - 4.3 - 3.4	- 10.1 - 5.0 - 6.7 - 6.5 - 4.1	- 1.6 - 0.5 + 0.4 + 3.9 - 1.4	2015 2016 2017 2018 2019
	+ 5.7 + 2.3 - 0.1 - 1.2	- 3.3 + 1.0 + 1.7 + 0.6	+ 313.4 + 105.2 - 104.6 - 139.9	+ 23.2 - 7.4 + 8.8 - 8.9	+ 290.2 + 112.6 - 113.4 - 131.0	$\begin{array}{rrrr} - & 0.0 \\ + & 0.0 \\ - & 0.0 \\ \pm & 0.0 \end{array}$	+ 8.2 + 3.3 - 0.6 - 2.3	+ 221.6 + 95.3 + 191.8 + 76.6	+ 273.7 + 144.3 + 65.8 - 172.0	- 32.7 - 46.2 + 143.4 + 226.4	- 14.5 + 0.7 - 27.5 - 82.3	- 4.9 - 3.5 + 10.1 +104.5	+ 1.9 - 0.2 + 1.7 + 3.5	2020 2021 2022 2023
-	- 0.3	+ 0.1	- 113.2	- 8.5	- 104.7	- 0.0	- 0.4	- 43.4	- 47.1	+ 4.2	- 3.7	+ 3.2	+ 1.1	2022 Dec.
=	- 0.0 - 0.0 - 0.3	- 0.4 + 0.2 + 0.1	- 0.3 - 5.2 - 15.2	+ 5.8 - 1.9 - 3.7	- 6.1 - 3.4 - 11.5	+ 0.0 - -	- 0.1 - 0.0 - 0.4	+ 37.6 - 2.5 - 29.6	- 2.9 - 35.0 - 47.3	+ 40.0 + 34.4 + 20.2	- 5.5 - 6.7 - 8.7	+ 6.0 + 4.8 + 6.2	+ 1.0 + 0.4 - 0.1	2023 Jan. Feb. Mar.
	+ 0.0 + 0.0 - 0.4	+ 1.1 + 0.2 + 0.1	+ 17.3 + 2.1 - 79.7	+ 3.8 - 3.0 - 3.7	+ 13.5 + 5.0 - 76.0	- 0.0 - 0.0 + 0.0	- 0.0 - 0.1 - 0.5	- 0.1 + 5.6 + 2.3	- 7.9 - 7.9 - 23.0	+ 9.8 + 14.5 + 26.0	- 8.6 - 8.0 - 7.3	+ 6.6 + 7.1 + 6.7	+ 0.0 + 0.1 - 0.1	Apr. May June
	+ 0.0 + 0.1 - 0.2	- 0.1 - 0.8 + 0.1	+ 10.2 + 3.1 - 49.4	+ 0.8 + 3.9 - 1.1	+ 9.4 - 0.8 - 48.3	+ 0.0 - 0.0	- 0.0 - 0.1 - 0.4	+ 3.8 + 8.2 + 0.9	- 18.7 - 13.2 - 10.5	+ 22.8 + 21.3 + 10.7	- 7.3 - 8.5 - 5.7	+ 7.0 + 8.5 + 6.3	+ 0.2 + 0.2 + 0.2	July Aug. Sep.
	- 0.1 - 0.1 - 0.2	- 0.1 + 0.3 - 0.2	+ 19.9 + 4.6 - 47.3	- 0.7 + 3.3 - 12.5	+ 20.6 + 1.3 - 34.8	- 0.0 + 0.0 - 0.0	- 0.1 - 0.0 - 0.5	+ 8.7 + 19.3 + 22.3	- 13.4 + 8.5 - 0.7	+ 14.0 - 1.0 + 13.7	- 6.4 - 7.1 - 2.5	+ 14.6 + 18.8 + 11.8	+ 0.3 + 0.3 + 1.2	Oct. Nov. Dec.
	- 0.1 - 0.0 - 0.2	- 0.1 - 0.2 + 0.3	+ 26.0 + 8.9 - 51.4	+ 17.4 + 6.1 - 1.9	+ 8.6 + 2.9 - 49.5	+ 0.0 - 0.0 -	- 0.1 - 0.1 - 0.5	- 12.7 - 2.8 + 25.5	- 44.1 - 18.4 + 0.9	+ 28.7 + 14.8 + 25.3	- 6.5 - 5.0 - 4.1	+ 9.2 + 5.9 + 3.4	+ 4.4 + 3.0 + 2.6	2024 Jan. Feb. Mar.
-	- 0.1 + 0.0	+ 0.4 + 0.2	+ 11.0 - 5.3	+ 1.2 - 2.6	+ 9.8 - 2.7		- 0.1 - 0.1	+ 0.6 + 23.7	- 3.8 + 21.7	+ 4.8 + 3.1	- 4.6 - 3.5	+ 4.2 + 2.4	+ 3.5 + 3.2	Apr. May

including subordinated liabilities. 4 Including liabilities arising from monetary policy operations with the Bundesbank. 5 Own acceptances and promissory notes outstanding. 6 Since the inclusion of building and loan associations in January 1999,

including deposits under savings and loan contracts (see Table IV.12). 7 Excluding deposits under savings and loan contracts (see also footnote 8). 8 Including liabilities arising from non-negotiable bearer debt securities.

4. Assets and liabilities of banks (MFIs) in Germany vis-à-vis non-residents *

€ billion Lending to foreign banks (MFIs) Lending to foreign non-banks (non-MFIs) Treasurv Cash in bills and Loans and bills hand Credit balances and loans, bills Negotiable negotiable money (nonmoney market euro area Medium Memo Medium market paper issued by banknotes and Securities item[.] and Securities paper issued by Fiduciary Short-Shortand issued by long issued by long-Period coins) Total Total term term banks banks loans Total Total term term non-banks non-banks End of year or month * 2014 0.2 1.125.2 884.8 618.7 266.1 7.9 232.5 1.1 735.1 415.2 94.4 320.8 6.5 313.5 2015 0.3 1.066.9 830.7 555.9 274.7 1.2 235.0 1.0 751.5 424.3 83.8 340.5 7.5 319.7 2016 0.3 1,055.9 820.6 519.8 300.7 0.5 234.9 1.0 756.2 451.6 90.1 361.4 5.0 299.6 2017 0.3 963.8 738.2 441.0 297.2 0.7 225.0 2.3 723.9 442.2 93.3 348.9 4.2 4.3 277.5 268.1 2018 0.2 771.9 241.3 3.0 762.0 489.6 99.9 1,014.1 503.8 268.1 1.0 389.7 2019 0.2 1,064.2 814.0 532.7 281.3 1.8 248.5 3.7 795.3 513.1 111.0 402.1 7.7 274.5 2020 0.2 1,024.3 784.8 532.1 252.8 2.6 236.8 4.0 822.8 523.0 125.4 397.5 11.3 288.5 2021 0.3 1,100.7 877.5 614.7 2627 0.4 222.8 3.5 3.7 871.2 572.2 151.5 420.7 8.0 290.9 1,151.3 270.4 223.0 173.0 282.6 2022 0.2 926.6 913.7 616.2 443.2 656.2 1.7 14.9 2023 0.2 1,166.9 934.7 652.0 282.7 3.1 229.2 6.1 960.4 627.3 174.9 452.4 12.3 320.8 2022 Dec. 0.2 1,151.3 926.6 656.2 270.4 1.7 223.0 3.7 913.7 616.2 173.0 443.2 14.9 282.6 190.9 2023 Jan 02 1 195 3 963 1 700 1 263.0 27 229 5 40 941 0 633.6 442 7 20.1 2873 965.7 701.9 946.4 190.5 444.9 295.1 Feb 0.2 1,201.5 263.8 2.9 232.9 4.2 635.5 15.8 Mar 0.2 1,203.8 968.2 704.1 264.0 2.9 232.7 4.3 953.0 630.8 187.8 443.0 12.5 309.8 441.9 Apr. 0.2 1,184.1 946.5 681.7 264.8 3.6 234.0 4.2 959.3 633.6 191.7 13.9 311.8 0.2 0.2 706.0 681.7 4.2 4.3 972.8 266.8 235 1 638.1 193.4 444 7 May 1,211.3 3.4 965.1 14.6 312.4 1,177.3 257.4 234.6 447.0 961.8 317.6 181.4 939.1 3.6 628.4 15.8 June 0.2 0.2 260.5 265.7 July 1.194.1 955 3 694 8 4.1 234 7 43 962 7 637.4 190.4 447 O 164 308.9 307.8 1,197.1 4.3 630.9 449.6 Aug 959.5 693.8 3.7 233.9 954.8 181.3 16.2 0.2 1,203.3 966.5 687.9 278.6 3.5 233.3 4.2 958.8 633.0 183.8 449.2 16.1 309.7 Sep Oct. 0.2 1,212.3 975.9 689.7 286.2 3.6 232.8 4.2 956.8 635.7 188.7 447.0 14.6 306.5 Nov 0.2 1.190.3 954 5 674.0 280.5 3.3 232 4 4.2 971 3 645.4 194 5 450.9 15.3 310.6 Dec 0.2 1,166.9 934.7 652.0 282.7 3.1 229.2 6.1 960.4 627.3 174.9 452.4 12.3 320.8 2024 Jan 0.2 1.206.8 971.9 684.9 287.0 2.8 232.0 6.1 985.5 649.3 196.9 452.4 14.6 321.6 1,245.8 1,010.7 6.9 1,000.4 660.7 325.4 Feb. 0.2 724.3 286.4 3.0 232.2 204.4 456.3 14.2 Mar 0.2 1,255.0 1,016.4 732.9 283.5 2.7 236.0 7.0 1,007.9 651.5 191.9 459.6 15.3 341.2 1,255.8 1,018.0 729.5 288.5 1,016.3 458.5 16.5 16.1 0.2 2.2 235.6 7.4 664.8 206.3 335.0 Apr. May 0.2 1,282.2 1,041.2 754 5 286.7 238.5 7.5 1,018.6 667.3 207.9 459.4 335.2 Changes 2015 0.1 91.8 86.0 82.2 3.8 6.7 0.8 - 0.1 6.1 9.2 6.5 2.7 1.1 2.0 + -_ -+ + + 0.0 _ 14.5 - 0.0 + 28.9 8.5 2016 25.5 38.2 23.7 0.7 10.3 + 17.4 + 10.1 + 18.8 3.0 + + _ _ _ + 0.6 + 0.7 8.6 3.2 2017 + 0.0 57.2 48.7 61.5 + 12.8 + 0.0 _ 8.5 4.7 + 13.0+ 4.4 + -0.7 18.4 57.7 2018 0.0 + 49.6 34.0 + 23.7 0.2 + 15.3 + 18.3 + 28.3 + + 25.2 0.4 _ 9.7 + + 2019 0.0 4.1 11.3 21.9 + 10.7 0.8 + 0.7 + 19.9 12.7 7.3 3.0 + 3.8 6.3 26.8 + + 0.3 2020 0.0 32.0 22.4 6.6 15.8 0.9 _ 10.5 34.4 14.7 9.0 + 5.7 3.6 16.1 + + + + + 71.1 20.4 2.2 2.6 + 29.8 2021 + 0.0 52.8 68.9 _ 2.5 _ 15.8 - 0.5 37.8 39.7 99 _ 3.2 1.4 + + + + 21.7 0.1 17.9 + + 0.2 37.0 + 2022 + + + 1.3 0.0 + 37.0 + 16.8 + 20.26.7 6.7 0.0 32.6 24.9 10.2 14.7 1.4 + + 0.5 51.5 + 14.8 + 5.2 9.6 2.6 39.3 2023 _ + 6.3 + + - 112.4 _ 4.4 11.1 2022 Dec _ 0.0 106.8 104.0 2.8 1.2 + 0.2 19.9 - 11.2 12.7 + 1.5 + 2.4 + 18.6 + 19.5 5.2 7.2 2023 Jan _ 0.0 48 2 40.6 46 3 _ 5.7 1 1 6.5 + 0.330.0 09 53 + + 0.6 Feb. + 0.0 + 2.8 1.2 1.6 + 0.1 + 3.3 + 0.2 1.6 1.2 1.3 + 0.1 4.4 _ Mar 0.0 + 9.2 9.2 6.2 + 3.0 0.0 0.1 + 0.1 11.2 _ 1.1 1.5 + 0.4 _ 3.3 15.5 + + 0.0 17.0 19.0 20.9 1.9 0.7 - 0.1 4.4 4.5 _ 0.1 2.4 Apr. + + 1.3 8.2 + 1.5 - 0.0 0.0 + 18.0 _ 1.8 _ + 0.9 + 1.4 + -+ _ 0.5 May + + 16.9 16.2 + 0.2 + 1.5 1.3 0. + 0.6 June + 0.017.7 17.6 9.9 _ 7.6 + 0.2 0.3 + 0.11.9 8.7 11.1 + 2.4 + 1.2 + 5.6 + + 0.0 July _ 0.0 + 18.4 + 17.7 13.9 + 3.9 0.5 + 0.2 3.0 + 10.5 + 9.6 + 0.9 + 07 _ 8.2 _ Aua 0.0 0.0 1 3 2.2 3.5 0.4 0.9 0.0 10.2 8.3 9.8 + 1.5 0.3 1.6 + + _ _ + 0.0 1.0 0.0 _ 10.1 + 10.1 _ 0.2 0.7 - 0.0 _ 0.1 1.2 + 1.3 2.5 _ 0.1 + 1.1 Sep. Oct. + 0.0 10.3 10.6 2.6 8.0 0.1 _ 0.4 0.1 0.7 3.8 5.2 1.6 3.0 + 1.4 + + + + _ 12.9 Νον 14.4 13.9 11.5 2.4 0.2 0.3 + 0.0 + 18.7 + 12.9 - 17.2 + 7.6 + 5.3 + -0.8 + 5.0 - 0.0 _ _ _ _ Dec 21.0 17.6 _ 21.0 + 3.4 0.3 3.2 + 0.0 9.7 19.2 + 2.0 3.0 + 10.5 + 0.0 2024 Jan 34.0 31.6 29.7 1.9 0.2 2.7 - 0.0 21.4 + 19.0 + 21.0 _ 2.0 2.2 0.1 + _ + + + + + Feb. 0.0 + 39.2 + 38.9 + 39.6 0.7 + 0.1 0.2 + 0.9+ 15.8 + 12.3+ 7.5 + 4.8 0.3 + 3.8 Mar _ 0.0 9.1 5.6 8.7 _ 3.0 0.3 3.8 + 0.1 7.7 9.1 - 12.5 3.4 + 1.0 + 15.7 + + + + + 0.0 0.3 + 12.3 6.4 1.5 0.8 4.7 4.0 0.4 + 0.4 7.1 + 14.0 1.2 Apr. + + 1.6 + May 0.0 + 30.1 + 26.8 + 27.1 0.3 0.3 + 3.0 + 0.0 4.4 + 4.1 + 2.3 + 1.8 0.4 + 0.7 +

 * See Table IV.2, footnote *; statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent

revisions, which appear in the following Monthly Report, are not specially marked

		Deposits of	foreign bank	s (MFIs)				Deposits of	foreign non-	banks (non-N	/IFIs)			
	Partici- pating interests			Time deposi savings bon	its (including ds)	bank					its (including oosits and bar ids)	ık		
Memo item: Fiduciary Ioans	in foreign banks and enter- prises	Total	Sight deposits	Total	Short- term	Medium and long- term	Memo item: Fiduciary Ioans	Total	Sight deposits	Total	Short- term	Medium and long- term	Memo item: Fiduciary loans	Period
End of y	ear or mo	nth *												
14.0	35.6	609.2	277.1	332.1	242.7	89.4	0.1	221.0	113.0	107.9	47.8	60.1	0.7	2014
13.1 13.1 12.1 11.8 11.5	28.7 24.3 22.1	611.9 696.1 659.0 643.1 680.6	323.4 374.4 389.6 370.6 339.3	288.5 321.6 269.4 272.5 341.2	203.8 234.2 182.4 185.6 243.2	84.7 87.5 87.0 86.8 98.0	0.1 0.0 0.0 -	201.1 206.2 241.2 231.5 229.8	102.6 100.3 109.4 110.2 112.3	98.5 105.9 131.8 121.3 117.4	49.3 55.2 68.1 63.7 60.5	49.2 50.8 63.8 57.6 57.0	0.7 0.7 0.3 0.1 0.1	2015 2016 2017 2018 2019
11.3 11.1 10.4 10.7	16.6 15.7 16.7	761.2 914.6 998.4 923.8	428.8 456.0 480.0 469.5	332.5 458.6 518.4 454.3	205.1 301.5 376.4 288.1	127.3 157.2 141.9 166.2	 0.0 -	258.5 288.2 370.3 380.6	133.3 141.9 196.0 176.2	125.2 146.2 174.3 204.4	65.6 68.7 84.4 104.9	59.7 77.6 89.8 99.5	0.1 0.1 0.1 1.1	2020 2021 2022 2023
10.4		998.4 1,089.4	480.0 601.2	518.4 488.3	376.4 344.5	141.9 143.8		370.3 405.1	196.0 213.5	174.3 191.5	84.4	89.8 89.6	0.1	2022 Dec. 2023 Jan.
10.4 10.4 10.4	15.8	1,089.4 1,086.8 1,060.0	600.1 576.0	488.3 486.7 484.0	344.5 345.1 329.3	143.8 141.6 154.7	-	405.1 418.4 412.5	213.5 218.4 216.8	200.0 195.7	109.9 109.9 98.9	90.1 96.9	0.2 0.2 0.3	Feb. Mar.
10.4 10.4 10.2	16.1	1,042.6 1,059.1 1,025.8	540.6 596.1 565.0	502.0 462.9 460.8	343.8 299.9 302.6	158.2 163.0 158.2	0.0 0.0	423.3 436.0 411.5	208.8 219.3 205.6	214.6 216.7 205.9	116.6 116.7 107.3	97.9 100.0 98.6	0.3 0.3 0.4	Apr. May June
10.2 10.2 10.2	16.1	1,052.4 1,021.8 1,006.0	582.3 566.5 536.9	470.1 455.3 469.1	311.1 294.3 293.9	159.0 161.1 175.2	0.0 - -	411.0 407.7 403.9	204.0 198.5 206.3	207.0 209.2 197.6	107.9 112.0 100.2	99.1 97.2 97.4	0.3 0.3 0.4	July Aug. Sep.
10.2 10.4 10.7	16.4	1,021.8 1,003.7 923.8	558.9 538.0 469.5	462.9 465.7 454.3	288.0 291.0 288.1	174.9 174.6 166.2		423.2 412.5 380.6	207.0 206.3 176.2	216.2 206.3 204.4	117.4 107.1 104.9	98.8 99.2 99.5	0.3 0.3 1.1	Oct. Nov. Dec.
10.7 10.7 10.7	15.9	979.5 1,025.8 1,041.0	520.1 534.6 502.1	459.5 491.2 538.9	284.6 311.3 370.9	174.9 179.9 168.1	0.0 0.0	409.6 425.9 408.7	200.3 211.9 192.8	209.3 214.1 215.9	110.6 117.4 118.1	98.6 96.6 97.7	0.7 2.0 2.6	2024 Jan. Feb. Mar.
10.8 10.8		1,029.6 1,034.0	524.9 554.2	504.8 479.7	329.8 315.8	175.0 163.9	0.0 0.0	419.4 420.7	207.2 212.0	212.3 208.7	114.6 109.3	97.7 99.4	3.2 4.0	Apr. May
Change	S *			_		_	_			_	_		_	
- 0.6 - 0.1 - 1.0 - 0.2 - 0.3	- 1.5 - 4.1 - 2.2	- 15.4 + 82.7 - 15.5 - 23.9 - 9.5	+ 40.6 + 51.0 + 25.2 - 23.4 - 49.4	- 56.0 + 31.7 - 40.8 - 0.4 + 39.8	- 48.6 + 27.0 - 43.2 + 2.1 + 28.0	- 7.4 + 4.7 + 2.4 - 2.6 + 11.8	$\begin{array}{rrrr} - & 0.0 \\ - & 0.0 \\ \pm & 0.0 \\ - & 0.0 \\ - & 0.0 \end{array}$	- 26.5 + 3.5 + 31.8 - 11.9 - 0.8	- 13.9 - 3.1 + 11.0 - 0.2 + 2.1	- 12.6 + 6.7 + 20.8 - 11.8 - 2.9	+ 0.3 + 5.9 + 15.6 - 5.7 - 1.8	- 13.0 + 0.8 + 5.2 - 6.0 - 1.1	- 0.0 - 0.0 - 0.4 - 0.2 - 0.0	2015 2016 2017 2018 2019
- 0.2 - 0.2 - 0.7 + 0.2	- 0.8 - 1.0	+ 83.8 + 136.6 + 85.8 - 66.1	+ 87.8 + 19.8 + 29.1 - 4.6	- 4.1 + 116.8 + 56.7 - 61.4	- 34.7 + 89.2 + 69.6 - 86.9	+ 30.6 + 27.6 - 13.0 + 25.4	+ 0.0 - 0.0 ± 0.0	+ 23.6 + 22.7 + 68.2 + 11.6	+ 13.8 + 6.4 + 49.0 - 18.3	+ 9.8 + 16.3 + 19.2 + 29.9	+ 7.1 + 0.0 + 13.9 + 20.9	+ 2.8 + 16.3 + 5.3 + 9.0	+ 0.0 - 0.0 + 0.0 + 0.1	2020 2021 2022 2023
- 0.2	- 0.0	- 145.0	-128.3	- 16.7	- 6.9	- 9.8	-	- 40.7	- 37.2	- 3.5	- 6.2	+ 2.7	- 0.0	2022 Dec.
- 0.0 + 0.0 + 0.0	+ 0.2	+ 93.8 - 7.0 - 21.8	+122.3 - 3.5 - 21.5	- 28.4 - 3.5 - 0.3	- 30.8 - 0.9 - 13.9	+ 2.4 - 2.6 + 13.6	-	+ 35.9 + 11.6 - 3.9	+ 18.1 + 4.1 - 0.8	+ 17.8 + 7.5 - 3.1	+ 17.9 + 7.2 - 10.0	- 0.1 + 0.3 + 7.0	+ 0.0 + 0.1 + 0.1	2023 Jan. Feb. Mar.
+ 0.0 + 0.0 - 0.2	+ 0.2	- 15.3 + 10.1 - 26.4	- 34.3 + 52.6 - 26.1	+ 19.0 - 42.5 - 0.3	+ 15.2 - 46.3 + 3.9	+ 3.8 + 3.8 - 4.2	+ 0.0	+ 11.7 + 9.2 - 23.1	- 7.7 + 9.5 - 13.1	+ 19.3 - 0.3 - 9.9	+ 18.1 - 1.2 - 8.7	+ 1.2 + 0.9 - 1.2	- 0.0 - 0.0 + 0.1	Apr. May June
- 0.0 + 0.0 - 0.0	- 0.0	+ 27.3 - 32.6 - 21.0	+ 17.2 - 16.4 - 32.3	+ 10.1 - 16.2 + 11.4	+ 9.0 - 17.9 - 2.2	+ 1.1 + 1.7 + 13.5	- 0.0 -	+ 0.4 - 4.3 - 5.7	- 1.3 - 5.9 + 7.1	+ 1.7 + 1.6 - 12.8	+ 1.1 + 3.6 - 12.8	+ 0.6 - 2.0 + 0.0	- 0.0 - 0.0 + 0.0	July Aug. Sep.
+ 0.0 + 0.2 + 0.3	- 0.1	+ 17.0 - 12.9 - 77.4	+ 22.8 - 18.4 - 67.0	- 5.8 + 5.5 - 10.4	- 5.6 + 4.9 - 2.3	- 0.2 + 0.6 - 8.2		+ 19.6 - 8.6 - 31.3	+ 0.9 + 0.6 - 29.7	+ 18.7 - 9.2 - 1.5	+ 17.3 - 9.8 - 1.8	+ 1.4 + 0.6 + 0.3	- 0.1 - 0.0 - 0.0	Oct. Nov. Dec.
+ 0.0 + 0.0 + 0.0	- 0.4	+ 51.4 + 46.4 + 15.1	+ 48.7 + 14.5 - 32.4	+ 2.8 + 31.9 + 47.6	- 5.2 + 26.7 + 59.5	+ 8.0 + 5.2 - 11.9	- + 0.0 -	+ 27.8 + 16.4 - 17.3	+ 23.6 + 11.5 - 19.1	+ 4.3 + 4.9 + 1.8	+ 5.3 + 6.8 + 0.7	- 1.0 - 1.9 + 1.1	- 0.4 + 1.4 + 0.5	2024 Jan. Feb. Mar.
+ 0.0 - 0.0		- 13.1 + 7.1	+ 22.2 + 30.5	- 35.3 - 23.5	- 41.9 - 12.9	+ 6.6 - 10.6	-	+ 10.1 + 2.3	+ 14.1 + 5.3	- 4.0 - 3.0	- 4.3 - 4.8	+ 0.3 + 1.8	+ 0.7 + 0.8	Apr. May

5. Lending by banks (MFIs) in Germany to domestic non-banks (non-MFIs) *

	€ billion										
	Lending to dom		Short-term lend	ding						Medium- and l	ong-term
	non-banks, tota			to enterprises a	and households		to general gove	ernment			to enter-
Period	including negotiable money market paper, securities equalisation claims	excluding negotiable money market paper, securities, equalisation claims	Total	Total	Loans and bills	Negotiable money market paper	Total	Loans	Treasury bills	Total	Total
									I	End of year	or month *
2014	3,167.3	2,712.6	257.5	212.7	212.1	0.6	44.8	44.7	0.1	2,909.8	2,376.8
2015	3,233.9	2,764.4	255.5	207.8	207.6	0.2	47.8	47.5	0.2	2,978.3	2,451.4
2016	3,274.3	2,824.2	248.6	205.7	205.4	0.3	42.9	42.8	0.1	3,025.8	2,530.0
2017	3,332.6	2,894.4	241.7	210.9	210.6	0.3	30.7	30.3	0.4	3,090.9	2,640.0
2018	3,394.5	2,990.4	249.5	228.0	227.6	0.4	21.5	21.7	- 0.2	3,145.0	2,732.8
2019	3,521.5	3,119.5	260.4	238.8	238.4	0.4	21.6	18.7	2.9	3,261.1	2,866.9
2020	3,647.0	3,245.3	243.3	221.6	221.2	0.4	21.6	18.0	3.6	3,403.8	3,013.0
2021	3,798.1	3,392.7	249.7	232.2	231.9	0.3	17.5	15.2	2.3	3,548.4	3,174.6
2022	4,015.6	3,613.3	296.4	279.8	279.4	0.4	16.7	14.3	2.3	3,719.2	3,359.9
2023	4,044.1	3,649.9	279.0	264.2	264.0	0.3	14.8	14.2	0.6	3,765.1	3,401.1
2022 Dec.	4,015.6	3,613.3	296.4	279.8	279.4	0.4	16.7	14.3	2.3	3,719.2	3,359.9
2023 Jan.	4,016.2	3,622.5	303.2	282.5	281.9	0.5	20.7	17.0	3.8	3,713.1	3,360.2
Feb.	4,030.2	3,629.5	297.8	279.9	279.2	0.7	18.0	15.8	2.2	3,732.4	3,371.2
Mar.	4,030.5	3,634.8	305.0	285.1	284.4	0.7	19.9	16.3	3.6	3,725.5	3,369.3
Apr.	4,032.5	3,641.3	304.1	283.3	282.8	0.6	20.8	18.2	2.6	3,728.4	3,374.4
May	4,039.0	3,650.6	299.7	281.0	280.2	0.8	18.7	17.4	1.3	3,739.3	3,388.0
June	4,042.1	3,645.7	300.3	280.5	279.6	0.9	19.8	17.8	2.0	3,741.8	3,388.7
July	4,048.7	3,653.9	299.4	277.4	276.6	0.9	21.9	19.6	2.3	3,749.3	3,395.5
Aug.	4,046.7	3,650.0	289.5	270.8	270.1	0.7	18.6	16.8	1.8	3,757.2	3,398.6
Sep.	4,048.1	3,653.6	297.2	275.5	274.8	0.6	21.7	19.0	2.7	3,751.0	3,395.8
Oct.	4,051.9	3,656.7	293.6	270.9	270.3	0.6	22.7	20.3	2.4	3,758.3	3,401.0
Nov.	4,057.9	3,661.3	291.1	272.0	271.4	0.7	19.0	16.6	2.4	3,766.9	3,404.2
Dec.	4,044.1	3,649.9	279.0	264.2	264.0	0.3	14.8	14.2	0.6	3,765.1	3,401.1
2024 Jan.	4,048.3	3,649.5	281.0	263.3	262.7	0.6	17.7	16.8	0.8	3,767.3	3,401.5
Feb.	4,055.7	3,654.0	281.5	267.3	266.8	0.5	14.2	14.1	0.0	3,774.3	3,404.7
Mar.	4,061.0	3,658.5	289.2	273.3	272.6	0.7	15.9	16.1	- 0.2	3,771.8	3,403.2
Apr.	4,062.1	3,661.8	289.3	270.4	269.6	0.8	18.9	18.0	0.9	3,772.8	3,406.5
May	4,069.5	3,666.1	288.4	271.4	270.5	0.9	17.0	16.7	0.3	3,781.1	3,410.7
											Changes *
2015	+ 68.9	+ 54.1	+ 1.6	- 1.3	- 0.9	$\begin{array}{rrrr} - & 0.4 \\ + & 0.1 \\ + & 0.0 \\ + & 0.1 \\ + & 0.0 \end{array}$	+ 2.9	+ 2.8	+ 0.1	+ 67.2	+ 73.9
2016	+ 43.7	+ 62.7	- 5.2	- 0.3	- 0.4		- 4.9	- 4.8	- 0.2	+ 48.9	+ 79.8
2017	+ 57.0	+ 70.2	- 6.5	+ 5.6	+ 5.6		- 12.1	- 12.4	+ 0.3	+ 63.5	+ 103.4
2018	+ 71.5	+ 105.3	+ 6.6	+ 15.8	+ 15.7		- 9.2	- 8.6	- 0.6	+ 65.0	+ 102.0
2019	+ 126.7	+ 129.1	+ 11.7	+ 11.6	+ 11.6		+ 0.1	- 3.0	+ 3.1	+ 115.0	+ 132.8
2020	+ 123.2	+ 123.6	- 19.6	- 19.8	- 19.8	- 0.0	+ 0.2	- 0.5	+ 0.7	+ 142.8	+ 145.6
2021	+ 152.2	+ 147.8	+ 8.8	+ 13.8	+ 13.8	- 0.1	- 4.9	- 2.8	- 2.1	+ 143.4	+ 157.9
2022	+ 216.7	+ 220.0	+ 47.6	+ 48.5	+ 48.5	+ 0.0	- 0.9	- 0.9	+ 0.0	+ 169.1	+ 184.8
2023	+ 30.9	+ 38.9	- 15.3	- 14.5	- 14.4	- 0.1	- 0.8	+ 0.9	- 1.7	+ 46.2	+ 42.3
2022 Dec.	- 9.6	- 11.7	- 13.9	- 12.8	- 12.7	- 0.0	- 1.1	- 0.2	- 0.9	+ 4.2	+ 1.8
2023 Jan.	+ 0.6	+ 9.2	+ 6.7	+ 2.6	+ 2.4	+ 0.2	+ 4.1	+ 2.6	+ 1.4	- 6.1	+ 0.3
Feb.	+ 13.3	+ 6.3	- 6.0	- 3.2	- 3.3	+ 0.1	- 2.8	- 1.2	- 1.6	+ 19.3	+ 11.0
Mar.	+ 0.9	+ 6.0	+ 7.6	+ 5.7	+ 5.7	- 0.0	+ 1.9	+ 0.5	+ 1.4	- 6.7	- 1.8
Apr.	+ 2.1	+ 6.5	- 0.9	- 1.7	- 1.7	- 0.1	+ 0.9	+ 1.9	- 1.1	+ 3.0	+ 5.1
May	+ 6.5	+ 9.4	- 4.4	- 2.3	- 2.6	+ 0.3	- 2.1	- 0.8	- 1.2	+ 10.9	+ 13.6
June	+ 4.4	- 3.7	+ 1.7	+ 0.6	+ 0.6	+ 0.0	+ 1.1	+ 0.4	+ 0.7	+ 2.7	+ 0.9
July	+ 6.6	+ 8.3	- 1.0	- 3.1	- 3.1	- 0.0	+ 2.1	+ 1.9	+ 0.2	+ 7.5	+ 6.9
Aug.	- 1.9	- 4.0	- 9.9	- 6.6	- 6.5	- 0.2	- 3.3	- 2.8	- 0.5	+ 8.0	+ 3.1
Sep.	+ 1.3	+ 3.7	+ 7.7	+ 4.6	+ 4.7	- 0.1	+ 3.1	+ 2.1	+ 0.9	- 6.4	- 2.9
Oct.	+ 3.7	+ 3.0	- 3.5	- 4.6	- 4.5	- 0.1	+ 1.0	+ 1.3	- 0.3	+ 7.2	+ 5.2
Nov.	+ 6.1	+ 4.7	- 2.3	+ 1.4	+ 1.3	+ 0.1	- 3.7	- 3.7	+ 0.0	+ 8.4	+ 3.8
Dec.	- 12.7	- 10.3	- 11.0	- 7.8	- 7.4	- 0.4	- 3.2	- 1.3	- 1.8	- 1.7	- 2.9
2024 Jan.	+ 4.0	- 0.5	+ 1.9	- 0.9	- 1.2	+ 0.3	+ 2.8	+ 2.6	+ 0.2	+ 2.1	+ 0.3
Feb.	+ 6.7	+ 3.7	+ 0.4	+ 3.9	+ 4.0	- 0.1	- 3.5	- 2.7	- 0.8	+ 6.3	+ 2.7
Mar.	+ 5.3	+ 4.4	+ 6.6	+ 4.8	+ 4.7	+ 0.2	+ 1.7	+ 2.0	- 0.2	- 1.3	- 0.3
Apr.	+ 1.1	+ 3.3	+ 0.1	- 2.8	- 3.0	+ 0.2	+ 3.0	+ 1.9	+ 1.1	+ 1.0	+ 3.4
May	+ 7.4	+ 4.3	- 0.9	+ 1.0	+ 0.9	+ 0.0	- 1.9	- 1.3	- 0.6	+ 8.3	+ 4.3

* See Table IV.2, footnote *; statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in the following Monthly Report, are not specially marked.

1 Excluding debt securities arising from the exchange of equalisation claims (see also footnote 2). **2** Including debt securities arising from the exchange of equalisation claims.

lending	9																							
prises a	and hou	useholds								to ge	neral gov	/ernme	nt											
Loans												Loans												
Total		Mediui term	m-	Long- term	-	Securi	ities	Memo item: Fiduciar Ioans	ТУ	Total		Total		Mediu term	m-	Long- term		Secur- ities 1		Equal- isation claims 2		Memo item: Fiduciar loans	у	Period
End o	of yea	ar or r	nont	h *																				
	,172.7		251.7		1,921.0		204.2	1	24.4	1	532.9		283.1	1	33.5		249.6		249.8	1	-	1	2.1	2014
	,232.4		256.0		1,976.3		219.0		18.3		527.0		277.0		27.9		249.0		250.0		_		2.1	2015
2, 2, 2,	,306.5 ,399.5 ,499.4 ,626.4		264.1 273.5 282.6 301.3		2,042.4 2,125.9 2,216.8 2,325.1		223.4 240.6 233.4 240.5		17.3 17.4 16.5 15.7		495.8 450.9 412.1 394.2		269.4 254.0 241.7 235.9		23.9 22.5 19.7 17.2		245.5 231.5 222.0 218.8		226.4 196.9 170.4 158.2				1.8 1.7 1.4 1.5	2016 2017 2018 2019
2, 3,	,771.8 ,915.7 ,085.9 ,131.7		310.5 314.5 348.7 361.0		2,461.4 2,601.2 2,737.1 2,770.7		241.1 258.9 274.0 269.4		22.4 24.7 24.6 22.8		390.8 373.8 359.3 364.0		234.3 229.9 233.7 240.0		15.7 14.3 14.1 14.1		218.6 215.6 219.6 225.9		156.6 143.9 125.6 124.0				1.1 1.0 1.0 1.0	2020 2021 2022 2023
3,	,085.9		348.7	:	2,737.1		274.0		24.6		359.3		233.7		14.1		219.6		125.6		-		1.0	2022
3,	,090.3 ,102.0 ,101.5		349.9 355.3 354.8		2,740.4 2,746.7 2,746.7		269.9 269.2 267.8		24.6 24.5 23.6		352.9 361.2 356.2		233.4 232.5 232.6		13.8 13.7 13.6		219.5 218.8 219.0		119.5 128.7 123.6				1.0 1.1 1.0	2023 J
3,	,107.6 ,120.7 ,117.4		355.6 360.8 360.0		2,752.0 2,760.0 2,757.5		266.8 267.2 271.3		23.6 23.7 23.3		354.0 351.4 353.1		232.7 232.4 230.9		13.9 13.6 13.4		218.8 218.8 217.6		121.2 119.0 122.2				1.0 1.0 1.0	
3, 3,	,125.3 ,130.4 ,126.8		362.1 362.8 359.5		2,763.3 2,767.6 2,767.3		270.2 268.2 269.0		23.4 23.4 23.2		353.8 358.6 355.1		232.4 232.6 233.0		13.5 13.8 13.7		218.9 218.8 219.4		121.4 126.0 122.1				1.0 1.0 1.0	
3,	,131.2 ,135.5 ,131.7		360.7 361.4 361.0		2,770.5 2,774.1 2,770.7		269.8 268.7 269.4		23.1 23.0 22.8		357.3 362.7 364.0		234.8 237.8 240.0		13.8 14.1 14.1		221.0 223.8 225.9		122.4 124.8 124.0				1.0 1.0 1.0	
3,	,130.5 ,132.4 ,128.6		359.5 357.0 354.1		2,771.0 2,775.4 2,774.5		271.0 272.3 274.6		22.7 22.7 22.5		365.8 369.6 368.7		239.4 240.7 241.1		13.8 14.1 14.3		225.6 226.6 226.8		126.4 128.9 127.5				1.0 1.0 1.0	2024 .
	,132.3 ,135.9		353.4 353.3		2,779.0 2,782.6		274.2 274.8		22.4 22.4		366.3 370.4		241.9 242.9		14.3 14.5		227.5 228.4		124.4 127.5		-		1.0 1.0	
Chan	iges *																							
	59.0 75.1 87.6 108.7 126.0	+ + + +	4.5 9.7 9.4 19.3 18.9	+ + + +	54.6 65.4 78.2 89.4 107.2	+++++++++++++++++++++++++++++++++++++++	14.8 4.7 15.8 6.7 6.8	- - + -	2.1 0.9 0.1 0.9 0.8	- - - -	6.6 30.9 39.9 37.1 17.8	- - - -	6.9 7.3 10.6 10.5 5.5	- - - -	4.8 4.0 1.3 2.7 2.6	- - - -	2.0 3.3 9.3 7.8 2.9	+ - - -	0.2 23.6 29.4 26.6 12.3			+ - - +	0.0 0.4 0.1 0.0 0.1	2015 2016 2017 2018 2019
+	145.0 140.1 169.9 46.9	+ + +	9.4 5.6 33.5 11.0	+ + +	135.5 134.5 136.4 35.9	+ + +	0.6 17.8 14.9 4.7	+ + - -	6.1 2.3 0.1 1.1	- - - +	2.8 14.6 15.7 3.9	- - + +	1.1 3.3 2.5 5.5	- - - ±	1.5 1.3 0.7 0.0	+ - + +	0.4 2.0 3.3 5.5		1.7 11.3 18.2 1.5			- - -	0.4 0.0 0.0 0.0	2020 2021 2022 2023
+	0.3	+	4.0	-	3.7	+	1.6	-	0.3	+	2.4	+	1.0	+	0.2	+	0.9	+	1.4		_	-	0.0	2022
+ + -	4.4 11.7 0.4	+++	1.2 5.4 0.5	+ + +	3.3 6.4 0.0		4.2 0.7 1.4	+ - -	0.0 0.1 0.3	- + -	6.4 8.3 4.8	- - +	0.3 0.9 0.3		0.3 0.1 0.0	- - +	0.0 0.7 0.3	- + -	6.1 9.2 5.1			- + -	0.0 0.1 0.0	2023
+ + -	6.1 13.2 3.2	+++	0.8 5.2 1.3	+ + -	5.3 8.0 2.0	- + +	1.0 0.4 4.1	+ + -	0.0 0.1 0.3	- - +	2.1 2.7 1.8	+ - -	0.1 0.4 1.5	+	0.3 0.3 0.2	- - -	0.2 0.0 1.2	- - +	2.3 2.3 3.2			+ - -	0.0 0.0 0.0	
+ + -	8.0 5.1 3.6	+++	1.8 0.8 3.3	+ + -	6.2 4.3 0.2	- - +	1.1 2.0 0.7	+ + -	0.0 0.1 0.2	+++	0.7 4.8 3.5	+ + +	1.5 0.2 0.4	+++	0.2 0.3 0.2	+ - +	1.3 0.1 0.6	- + -	0.8 4.6 3.9			- - -	0.0 0.0 0.0	
+ + -	4.4 4.8 3.5	+++	1.1 0.2 0.4	+ + -	3.2 4.6 3.2	+ - +	0.8 1.1 0.7		0.1 0.1 0.2	+ + +	2.1 4.7 1.1	+ + +	1.8 2.2 2.0	+ + +	0.2 0.2 0.1	+ + +	1.6 2.0 1.9	+ + -	0.3 2.4 0.9			- + -	0.0 0.0 0.0	
- + -	1.3 1.4 2.6		1.4 2.5 2.5	+ + -	0.1 4.0 0.1	+ + +	1.6 1.3 2.3		0.1 0.2	+ + -	1.8 3.5 1.0	- + +	0.6 1.0 0.4	- + +	0.3 0.3 0.2	- + +	0.3 0.7 0.2	+ + -	2.4 2.5 1.4			+ - +	0.0 0.0 0.0	2024 .
+ +	3.7 3.8	-	0.8 0.1	++++++	4.5 3.8	-+	0.4 0.5	- +	0.1 0.0	-+	2.4 4.0	+++++	0.7 0.9	+++++	0.0 0.1	++	0.7 0.8	-+	3.1 3.1		-	+++	0.0 0.0	

6. Lending by banks (MFIs) in Germany to domestic enterprises and households, housing loans, sectors of economic activity *

billion €

	of which:												
		Housing loa	ans		Lending to	enternrises ar	nd self-emplo	ved nersons					
		Tiousing loa											
Total	Mortgage Ioans, total	Total	Mortgage loans secured by residen- tial real estate	Other housing loans	Total	of which: Housing Joans	Manufac- turing	Electricity, gas and water supply; refuse disposal, mining and quarrying	Construc- tion	Whole- sale and retail trade; repair of motor vehicles and motor- cycles	Agri- culture, forestry, fishing and aqua- culture	Transport- ation and storage; post and telecom- munica- tions	
Lending	, total										End o	f year or	
3,147.5	1,591.4	1,678.2	1,373.0	305.2	1,701.5	477.2	146.1	128.3	98.0	140.4	55.9	55.6	
3,385.9 3,397.0 3,401.6 3,395.7 3,401.2	1,687.3 1,701.4 1,735.7 1,740.5 1,753.5	1,779.0 1,787.6 1,797.1 1,801.7 1,802.8	1,457.3 1,471.4 1,505.7 1,512.0 1,524.4	321.7 316.3 291.5 289.7 278.5	1,872.4 1,879.4 1,878.2 1,872.8 1,879.2	512.9 517.7 522.3 525.7 527.2	162.8 162.6 160.0 154.6 155.3	138.1 137.7 134.7 136.1 138.3	110.9 112.5 113.3 113.3 113.3	157.5 159.2 159.5 160.2 159.4	56.1 56.3 56.4 56.0 56.3	63.1 61.9 61.3 61.5 58.7	
Short-term	lending	•	•			•	•	•	•	•	•	•	
231.8 284.4 279.6 274.8 264.0		6.9 7.6 7.6 7.5 7.4		6.9 7.6 7.5 7.4	202.7 253.6 248.9 244.4 233.9	4.4 5.3 5.4 5.4 5.3	31.6 43.4 42.3 40.4 37.2	9.1 8.1 7.7 5.6 5.1	18.0 21.9 22.6 22.6 22.2	36.4 46.5 46.8 47.2 46.8	3.3 3.4 3.8 3.8 3.8 3.5	3.9 3.7 3.6 3.8 4.5	
272.6		7.6		7.6	243.4	5.6	39.7	6.2	23.1		4.0	4.6	
Medium-te 314.5	rm lending	40.5	1	40.5	239.5	20.6	28.3	5.4	19.3	20.8	4.3	12.3	
354.8 360.0 359.5 361.0		42.8 42.8 42.8 41.9		42.8 42.8 42.8 41.9	283.5 289.3 289.2 291.2	23.7 24.1 24.5 24.3	32.5 34.0 34.7 34.0	9.2 8.0 5.8 6.0	22.4 22.8 23.0 23.1	24.8 26.9 26.9 28.2	4.1 4.1 4.1 4.2	21.0 19.1 18.2 18.6	,
354.1 Long-term	londing .	40.8	· ·	40.8	285.1	24.1	32.9	5.8	22.5	27.3	4.1	15.6	
2,601.2 2,746.7 2,757.5 2,767.3 2,770.7	1,591.4 1,687.3 1,701.4 1,735.7 1,740.5	1,630.9 1,728.6 1,737.2 1,746.8 1,752.5	1,373.0 1,457.3 1,471.4 1,505.7 1,512.0	257.8 271.3 265.9 241.2 240.5	1,259.3 1,335.3 1,341.2 1,344.7 1,347.7	452.2 483.9 488.2 492.4 496.1	86.2 86.9 86.3 85.0 83.4	113.8 120.8 122.1 123.3 125.1	60.8 66.6 67.1 67.7 68.0	83.2 86.1 85.5 85.3 85.2	48.3 48.6 48.5 48.5 48.3	39.4 38.4 39.2 39.2 38.5	
2,774.5 Lending	1,753.5	1,754.4	1,524.4	230.1	1,350.7	497.5	82.8	126.3	68.0	84.1	48.1	38.5 a durina	
+ 20.4	+ 11.3	+ 4.8	+ 8.6	- 3.8	+ 19.9	+ 3.5	+ 2.8	+ 0.4	+ 2.1	+ 2.1	- 0.2	e during	
+ 12.4 + 4.7 - 4.9	+ 11.5 + 10.9 + 5.6 + 6.5	+ 9.1 + 9.2 + 4.8 + 1.9	+ 11.5 + 11.2 + 7.0	- 2.4 - 2.0 - 2.2 - 5.8	+ 8.2 - 1.4 - 4.6 + 5.8	+ 5.3 + 4.2 + 3.4 + 2.2	- 0.1 - 2.5 - 5.5 + 0.7	- 0.4 - 2.9 + 1.3 + 1.9	+ 1.6 + 0.8 + 0.1 + 0.3	+ 1.7 + 0.3 + 0.7 - 1.0	+ 0.2 + 0.1 - 0.5	- 0.9 - 0.6 + 0.7	,
Short-term		1 1.5	+ /./	. 5.0	+ 5.8	+ 2.2	+ 0.7	1 1.5	0.5		0.5	2.7	
+ 4.7 - 3.7 - 4.8 - 10.6	:	+ 0.2 - 0.0 - 0.1 - 0.2		+ 0.2 - 0.0 - 0.1 - 0.2	+ 4.7 - 3.6 - 4.7 - 10.2	+ 0.3 + 0.1 - 0.0 - 0.1	+ 1.8 - 1.1 - 1.9 - 3.1	- 4.0 - 0.5 - 2.1 - 0.7	+ 1.1 + 0.8 - 0.0 - 0.4	+ 1.9 + 0.2 + 0.4 - 0.2	$\begin{array}{rrrrr} + & 0.2 \\ + & 0.3 \\ + & 0.0 \\ - & 0.2 \end{array}$	- 0.1 - 0.0 + 0.2 + 0.7)
+ 7.4 Medium-te		+ 0.2		+ 0.2	+ 8.4	+ 0.2	+ 2.4	+ 1.1	+ 0.9	+ 0.1	+ 0.5	+ 0.1	
+ 6.1 + 4.7 - 0.8 + 1.0		- 0.5 - 0.0 - 0.2 - 0.8 - 1.2		- 0.5 - 0.0 - 0.2 - 0.8 - 1.2	+ 7.6 + 5.4 - 0.5 + 1.7 - 5.7	$\begin{array}{rrrrr} + & 0.3 \\ + & 0.4 \\ + & 0.2 \\ - & 0.3 \\ - & 0.4 \end{array}$	+ 1.2 + 1.6 + 0.7 - 0.7 - 1.1	+ 2.7 - 1.3 - 2.1 + 0.2 - 0.2	$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	+ 0.5 + 2.0 + 0.1 + 1.0 - 0.8	$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	- 2.0 - 1.6 - 0.9 + 0.4	; ;
– 6.5 Long-term		I - 1.2		- 1.2	- 5./	■ = 0.4	- 1.1	- 0.2	U.6	I - 0.8	- 0.0	- 2.9	
$ \begin{array}{r} + & 9.6 \\ + & 11.3 \\ + & 10.3 \\ + & 4.7 \\ + & 4.0 \end{array} $	+ 11.3 + 11.5 + 10.9 + 5.6	+ 5.1 + 9.1 + 9.5 + 5.7 + 2.9	+ 8.6 + 11.5 + 11.2 + 7.0 + 7.7	- 3.5 - 2.4 - 1.7 - 1.3 - 4.7	+ 7.6 + 6.4 + 3.8 + 3.9 + 3.1	+ 2.9 + 4.8 + 4.0 + 3.8 + 2.4	- 1.6	+ 1.7 + 1.3 + 1.3 + 1.8 + 1.0	+ 0.5	- 0.2 - 0.5 - 0.2 - 0.1 - 0.3	- 0.3	- 0.3	;

 * Excluding lending by foreign branches. Breakdown of lending by building and loan associations by areas and sectors estimated. Statistical breaks have been eliminated

from the changes. The figures for the latest date are always to be regarded as pro-visional; subsequent alterations, which appear in the following Monthly Report,

									Lendin	ig to er	nployees	and o	other	individu	als				Lendi non-p		stitutior	IS	
ervices sec	tor (including	the professi	ons)		Memo	items:							Othe	r lending	J								
	of which:											[of wh	ich:							
tal	Housing enterprises	Holding	re es	ther al state stivities	Lending to self- employ persons	ed	Lending to craft enterpr	ť	Total		Housing Ioans	3	Total		Instalr		Debit balanc on wa salary and pensio accour	ge, in	Total		of whi Housir Ioans		Pe
nd of v	ear or qua	rter *																		Lend	ing, t	otal	
890.8	•		8	207.9	1 4	83.8		48.3	14	429.3	1 10	96.6		232.7		184.1		6.9		16.7	1119, t 1	4.4	202
961.2 967.7 970.0 973.0 978.2	336.3 340.4 344.0 346.8	78 78 76 75 75	.6 .1 .3 .8	220.4 220.8 222.5 223.7 222.6	51 51 51 51	03.4 04.3 05.0 04.8 05.4		54.2 55.0 54.6 54.3 55.0	1,4 1,5 1,5 1,5	496.2 500.1 505.9 505.7 505.1	1,26 1,26 1,27 1,27	51.4 55.2 70.1		234.7 234.9 235.7 234.4 234.1		185.5 186.0 186.9 185.6 186.1		7.3 7.3 7.3 7.1 7.0		17.4 17.5 17.5 17.2 17.0		4.7 4.7 4.7 4.7 4.7	202
65.5 72.5 71.7	16.5 16.5	13 14 14	.9 .2	10.0 11.6 11.0		19.7 21.0 21.0		3.8 5.3 6.7		28.6 30.2 30.1		2.5 2.3 2.2		26.1 27.9 27.9		1.4 2.1 2.3		6.9 7.3 7.3		0.5 0.6 0.6	-term le	0.0 - -	202 202
69.7 67.4 69.7	16.0	13 12 14	.6	11.6 11.3 11.4	:	20.6 20.6 20.9		6.5 5.7 6.9		29.9 29.5 28.8		2.1 2.1 2.0		27.8 27.5 26.8		2.2 2.2 1.9		7.3 7.1 7.0		0.6 0.6 0.5 1edium	-term le	– 0.0 0.0 nding	202
97.0	23.1	15	.2	27.1	:	30.0		3.3		74.4	1	9.8		54.6		50.6		.		0.6		0.1	202
110.3 113.1 113.9 115.9	25.9 26.5	21 22 20 21	.0 .8	29.0 29.5 30.9 32.2		30.3 30.9 31.1 31.2		6.4 6.2 6.2 6.4		70.8 70.1 69.7 69.4	1	19.0 18.6 18.2 17.5		51.8 51.5 51.5 51.8		47.3 46.9 46.9 47.1				0.5 0.6 0.6 0.4		0.1 0.1 0.1 0.1	202
115.3	25.9	21	.1	31.7	:	31.0		6.1		68.6	1	6.7		51.9		47.0		.		0.4		0.1	202
																				-	-term le	-	
728.4 778.4 782.8 786.5 789.7 793.2	294.6 298.0 301.3 304.8	35 42 41 42 41 42 41 42	.4 .9 .3 .8	170.8 179.7 180.3 180.0 180.1 179.5	4: 4: 4: 4:	34.1 52.1 52.3 53.3 53.0 53.5		41.3 42.5 42.1 41.9 42.3 41.9	1,3 1,3 1,4 1,4	326.3 395.1 399.9 406.3 406.8 407.7	1,24 1,24 1,24 1,25	14.4 19.8		152.0 155.1 155.5 156.4 155.1 155.4		132.1 136.1 136.8 137.8 136.3 137.2		· · ·		15.6 16.3 16.3 16.4 16.2 16.0		4.3 4.6 4.6 4.6 4.6 4.6	202 202 202
hange	during qu	arter *																		Lend	ing, t	otal	
+ 4.1 + 6.2 + 2.1 + 3.4 + 5.0	2 + 4.1 + 3.5 + 2.7	- C - 1 - C	.6 .8 .4	+ 2.2 + 0.4 + 1.7 + 1.3 - 0.8	+ + - +	1.5 0.7 0.5 0.4 0.5	+ + - +	0.2 0.1 0.4 0.2 0.6	+ + - -	0.4 4.1 6.0 0.0 0.6	+ + + -	1.3 3.8 5.0 1.3 0.2	- + - -	0.8 0.3 1.0 1.3 0.4	- + - +	0.8 0.5 0.8 1.3 0.8	+ - + -	0.3 0.0 0.1 0.3 0.1	+ + + -	0.1 0.1 0.0 0.3 0.2	++	0.1 0.0 0.0 0.0 0.1	202 202
- 0.1	+ 0.4	I - 0	.7	+ 0.7	+	0.5	+	0.3	+	0.1	- 1	0.0	+	0.1	+	0.0	+	0.3		Short	-term le I	naing _	202
- 1.0 - 2.3 - 2.0 + 2.3	$\begin{array}{c} + & 0.0 \\ - & 0.3 \\ - & 0.2 \end{array}$	- 0 - 1 - 0	.8 .0 .6	+ 0.7 - 0.6 + 0.5 - 0.2 + 0.1	+ + +	0.3 0.1 0.6 0.1 0.3	+ - -	0.3 0.2 0.3 1.2	- - -	0.0 0.1 0.5 0.9	- - - -	0.2 0.1 0.1 0.0	+ + -	0.1 0.0 0.3 0.8	+ - +	0.0 0.2 0.1 0.1 0.1	+ + -	0.0 0.1 0.3 0.1	+ - - -	0.0 0.0 0.0 0.1	+	_ _ 0.0 _	202
			. 1									*							N		-term le	nding	
+ 2.1 + 2.3 + 0.5 + 2.0 - 0.5	+ 0.7 + 0.6 - 0.5	+ 0 - 1 + 0	.6 .2 .6	+ 0.7 + 0.4 + 1.2 + 1.3 - 0.3	+ + + + -	0.2 0.3 0.2 0.0 0.2	- + +	0.1 0.0 0.0 0.2 0.2	- - - -	1.6 0.7 0.4 0.5 0.8	- - - -	0.8 0.4 0.4 0.5 0.8	- + - +	0.7 0.3 0.1 0.0 0.1		0.7 0.4 0.1 0.2 0.1			- + + -	0.0 0.0 0.1 0.2 –	- - + -	0.0 0.0 0.0 0.0	202
+ 2.1 + 4.9 + 3.9 + 3.3 + 3.2	+ 3.4 + 3.2 + 3.5	- 0 + 0 - 0	.5 .4 .3	+ 0.8 + 0.6 + 0.1 + 0.2 - 0.6	+ + + -	0.9 0.6 0.9 0.5 0.4	- - - -	0.1 0.1 0.2 0.1 0.3	+ + + +	1.9 4.8 6.4 0.9 1.0	+ + + +	2.1 4.3 5.5 1.9 0.6	- + +	0.2 0.5 0.9 1.0 0.3	- + + -	0.1 0.7 1.0 1.2 1.0			+ + + -	Long 0.1 0.0 0.1 0.1 0.2	-term le + + + -	nding 0.1 0.0 0.0 0.0 0.1	202

7. Deposits of domestic non-banks (non-MFIs) at banks (MFIs) in Germany *

	€ billion											
			Time deposit	5 1,2						Memo item:		
					for more thar	n 1 year 2					Subordinated liabilities	
Period	Deposits, total	Sight deposits	Total	for up to and including 1 year	Total	for up to and including 2 years	for more than 2 years	Savings deposits 3	Bank savings bonds 4	Fiduciary Ioans	(excluding negotiable debt securities)	Liabilities arising from repos
		non-bank				,					End of year	· · · · ·
2021 2022	3,976.3 4,162.0	2,654.6	736.0	161.0 314.8	574.9 558.7	49.7 50.5	525.2 508.2	561.2 533.2	24.5 34.6	34.2 35.9	17.1 18.5	1.3 3.9
2022 2023 2023 June	4,102.0 4,229.0 4,176.3	2,720.0 2,540.8 2,600.9	1,100.1	514.8 514.7 445.4	585.4 574.6	80.5 64.4	508.2 504.9 510.2	445.9 483.3	142.2	50.1 36.5	20.3	2.9 2.8
July	4,170.3	2,582.2	1,020.0	468.5	574.6	65.8	508.6	485.5	72.1	36.7	19.9	3.5
Aug. Sep.	4,188.4 4,189.3	2,568.4 2,558.0	1,061.7 1,072.5	490.2 497.7	571.6 574.8	67.3 71.5	504.3 503.3	467.5 461.8	90.7 97.0	36.9 37.1	19.9 19.9	4.7 6.5
Oct. Nov.	4,198.0 4,217.3	2,544.5 2,552.9	1,086.5 1,085.6	510.9 506.9	575.6 578.6	74.6 76.7	501.0 501.9	455.4 448.3	111.6 130.5	37.3 37.6	19.9 20.8	6.3 6.4
Dec.	4,229.0	2,540.8	1,100.1	514.7	585.4	80.5	504.9	445.9	142.2	50.1	20.3	2.9
2024 Jan. Feb.	4,216.3 4,213.6	2,496.8 2,478.3	1,128.7 1,143.5	540.7 555.4	588.0 588.1	84.3 85.1	503.8 503.0	439.4 434.4	151.4 157.3	54.5 57.5	20.4 20.4	4.9 5.0
Mar. Apr.	4,239.0 4,239.6	2,479.2 2,475.4	1,168.8 1,173.6	578.6 584.9	590.2 588.8	87.3 84.9	502.9 503.8	430.3 425.8	160.7 164.8	60.2 63.7	20.3 20.3	4.5 4.4
May	4,263.3		1,176.9	587.4	589.5	85.1	504.3	422.2	167.2	66.9	20.4	4.8
2022	+ 191.8	+ 65.8	+ 143.4	+ 152.5	- 9.1	+ 0.6	- 9.7	- 27.5	+ 10.1	+ 1.7	+ 1.2	Changes * + 2.6
2022 2023 2023 June	+ 76.6	- 172.0 - 23.0	+ 226.4 + 26.0	+ 198.4 + 25.4	+ 28.0 + 0.7	+ 29.9 + 2.4	- 1.9 - 1.7	- 82.3 - 7.3	+ 104.5 + 6.7	+ 3.5 - 0.1	+ 1.2 + 1.8 - 0.1	- 1.0 - 1.3
July	+ 3.8	- 18.7	+ 22.8	+ 23.1	- 0.3	+ 1.4	- 1.7	- 7.3	+ 7.0	+ 0.2	- 0.5	+ 0.7
Aug. Sep.	+ 8.2 + 0.9	- 13.2 - 10.5	+ 21.3 + 10.7	+ 21.3 + 8.0	+ 0.0 + 2.7	+ 1.9 + 3.9	- 1.8 - 1.2	- 8.5 - 5.7	+ 8.5 + 6.3	+ 0.2 + 0.2	+ 0.0 + 0.0	+ 1.2 + 1.8
Oct. Nov.	+ 8.7 + 19.3	- 13.4 + 8.5	+ 14.0 - 1.0	+ 13.2 - 4.1	+ 0.8 + 3.1	+ 3.1 + 2.1	- 2.3 + 0.9	- 6.4 - 7.1	+ 14.6 + 18.8	+ 0.3 + 0.3	- 0.0 + 0.9	- 0.2 + 0.2
Dec.	+ 22.3	- 0.7	+ 13.7	+ 7.7	+ 6.0	+ 4.0	+ 2.0	- 2.5	+ 11.8	+ 1.2	- 0.4	- 3.5
2024 Jan. Feb.	- 12.7 - 2.8	- 44.1 - 18.4	+ 28.7 + 14.8	+ 26.1 + 14.7	+ 2.6 + 0.1	+ 3.8 + 0.8	- 1.1 - 0.8	- 6.5 - 5.0	+ 9.2 + 5.9	+ 4.4 + 3.0	+ 0.0 - 0.0	+ 2.0 + 0.1
Mar. Apr.	+ 25.5 + 0.6	+ 0.9 - 3.8	+ 25.3 + 4.8	+ 23.2 + 6.3	+ 2.1	+ 2.2	- 0.2 + 1.0	- 4.1 - 4.6	+ 3.4 + 4.2	+ 2.6 + 3.5	- 0.1 + 0.1	- 0.5 - 0.1
May	+ 23.7	+ 21.7	+ 3.1	+ 2.4	+ 0.7	+ 0.2	+ 0.5	- 3.5	+ 2.4	+ 3.2	+ 0.0	+ 0.4
	Domestic	governme	ent								End of year	r or month *
2021 2022	210.1 279.8	82.4 82.5	121.9 191.6	42.0 106.8	79.9 84.9	23.8 23.1	56.1 61.7	2.5 2.0	3.3 3.7	25.8 27.3	2.0 1.9	1.0 2.4
2023 2023 June	286.9 308.1	91.2 95.9	190.5 207.0	105.6 119.2	84.9 87.7	23.3 24.2	61.6 63.5	0.9 1.2	4.4 4.0	26.6 26.6	1.4 1.8	0.2 0.5
July Aug.	298.3 305.6	85.7 95.1	207.5 205.4	121.1 119.3	86.4 86.1	23.0 22.8	63.4 63.3	1.1 1.0	4.0 4.1	26.7 26.6	1.8 1.9	0.8 2.2
Sep.	304.9	94.2	205.6	119.5	86.2	23.9	62.2	0.9	4.2	26.4	1.8	3.8
Oct. Nov.	291.0 285.2	92.3 92.5	193.5 187.5	108.0 103.7	85.6 83.8	23.5 22.1	62.0 61.7	0.9 0.9	4.2 4.4	26.2 26.0	1.8 1.8	2.9 2.2
Dec. 2024 Jan.	286.9 272.5	91.2 84.9	190.5 182.5	105.6 98.4	84.9 84.1	23.3 23.4	61.6 60.7	0.9 0.8	4.4	26.6 26.5	1.4 1.3	0.2
Feb. Mar.	276.6 283.2	87.8 89.0	183.7 189.1	101.4 106.1	82.4 83.0	21.0 22.0	61.3 61.1	0.8 0.8	4.3 4.3	26.7 26.9	1.3 1.3	1.2 1.3
Apr.	266.2	81.6	179.4	99.9	79.5 79.1	18.7	60.8	0.8 0.7	4.4 4.5	26.9	1.3	0.3
May	274.8	92.1	177.5	98.4	79.1	18.4	60.7	0.7	4.5	27.0	1.3	0.8 Changes *
2022	+ 69.1	+ 0.2	+ 69.2	+ 64.7	+ 4.5	- 0.9	+ 5.4	- 0.6	+ 0.3	+ 1.5	- 0.1	+ 1.4
2023 2023 June	+ 6.5 + 8.0	+ 8.7 + 3.8	- 1.7 + 4.2	- 1.7 + 4.2	- 0.1 - 0.0	+ 0.1 - 0.1	- 0.2 + 0.1	- 1.1 - 0.1	+ 0.6 + 0.1	+ 0.1 - 0.2	- 0.6 - 0.0	- 2.2 - 1.3
July Aug.	- 9.8 + 7.3	- 10.2 + 9.3	+ 0.5 - 2.1	+ 1.8	- 1.3 - 0.4	- 1.2 - 0.3	- 0.1 - 0.1	- 0.2 - 0.1	+ 0.0 + 0.2	+ 0.0 - 0.1	+ 0.0	+ 0.4 + 1.4
Sep.	- 0.7	- 0.9	+ 0.3	+ 0.2	+ 0.1	+ 1.2	- 1.1	- 0.1	+ 0.0	- 0.2	- 0.0	+ 1.6
Oct. Nov.	- 14.0	- 1.9 + 0.2	- 12.2	- 11.5	- 0.6 - 1.8	- 0.4 - 1.4	- 0.2 - 0.4	- 0.0 - 0.0 - 0.0	+ 0.0 + 0.1 - 0.0	- 0.2	- 0.0 - 0.0 - 0.4	- 0.9 - 0.7
Dec. 2024 Jan.	+ 1.7	- 1.3	+ 2.9 - 8.0	+ 1.9	+ 1.1 - 0.8	+ 1.2 + 0.1	- 0.1 - 0.9	- 0.0 - 0.1	- 0.0 - 0.0	+ 0.7 - 0.2	- 0.4	- 2.0 + 0.8
Feb. Mar.	+ 4.1 + 6.6	+ 2.9 + 1.2	+ 1.2 + 5.4	+ 3.0 + 4.7	- 1.8 + 0.7	- 2.4 + 0.9	+ 0.6 - 0.3	- 0.0 - 0.0	+ 0.0 - 0.0	+ 0.2 + 0.3	+ 0.0 - 0.0	+ 0.3 + 0.1
Apr. May	- 17.0 + 8.6	- 7.3 + 10.5	- 9.7 - 1.9	- 6.2 - 1.5	- 3.5 - 0.4	- 3.2 - 0.3	- 0.2 - 0.2	- 0.0 - 0.0	+ 0.0 + 0.1	- 0.0 + 0.1	+ 0.0 - 0.0	- 1.0 + 0.5
iviay	•	+ 10.5			•	•	,		•	•	•	+ 0.5

* See Table IV.2, footnote *; statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in the following Monthly Report, are not specially marked.

 1 Including subordinated liabilities and liabilities arising from registered debt securities.

 2 Including deposits under savings and loan contracts (see Table IV.12).

 3 Excluding deposits under savings and loan contracts (see also footnote 2).

7. Deposits of domestic non-banks (non-MFIs) at banks (MFIs) in Germany * (cont'd)

	€ billion											
			Time deposit	s 1,2						Memo item:		
					for more than						Subordinated liabilities	
Period	Deposits, total	Sight deposits	Total	for up to and including 1 year	Total	for up to and including 2 years	for more than 2 years	Savings deposits 3	Bank savings bonds 4	Fiduciary Ioans	(excluding negotiable debt securities)	Liabilities arising from repos
	Domestic	enterprise	es and hou								End of yea	
2021 2022	3,766.2 3,882.2		614.1 681.9	119.0 208.0	495.0 473.9	25.9 27.4	469.2 446.5	558.7 531.2	21.2 31.0	8.4 8.6	15.1 16.6	0.3 1.5
2022 2023 2023 June	3,942.1 3,868.2	2,038.1 2,449.6 2,505.0	909.6 813.1	409.1 326.1	500.5 486.9	57.2 40.2	440.3 443.3 446.7	445.0 482.0	137.9	23.5 9.9	19.0	2.7
July	3,881.9	2,496.5	835.4	347.4	488.0	42.8	445.2	474.9	75.1	10.0	18.0	2.7
Aug. Sep.	3,882.8 3,884.4	2,473.4 2,463.8	856.4 866.9	370.9 378.3	485.5 488.6	44.5 47.5	441.0 441.1	466.5 460.9	86.6 92.9	10.3 10.7	18.0 18.1	2.4 2.7
Oct. Nov.	3,907.1 3,932.1	2,452.2 2,460.5	892.9 898.0	402.9 403.2	490.0 494.8	51.0 54.5	439.0 440.3	454.5 447.5	107.4 126.1	11.2 11.6	18.1 19.0	3.4 4.2
Dec. 2024 Jan.	3,942.1 3,943.8	2,449.6 2,411.9	909.6 946.2	409.1 442.3	500.5 503.9	57.2 60.8	443.3 443.1	445.0 438.6	137.9 147.1	23.5 28.0	19.0 19.1	2.7 4.0
Feb. Mar.	3,937.0 3,955.8	2,390.6 2,390.3	959.8 979.6	454.0 472.5	505.8 507.2	64.1 65.4	441.7 441.8	433.6 429.6	153.0 156.4	30.9 33.2	19.0 19.0	3.8 3.1
Apr. May	3,973.4 3,988.5	2,393.8 2,404.8	994.2 999.4	485.0 489.0	509.2 510.4	66.2 66.7	443.0 443.7	425.0 421.5	160.5 162.7	36.8 39.9	19.0 19.1	4.1 4.1
				•	•	•	•	•	•		•	Changes *
2022 2023	+ 122.7 + 70.0	+ 65.6 - 180.7	+ 74.2 + 228.1	+ 87.8 + 200.1	- 13.6 + 28.1	+ 1.4 + 29.8	- 15.1 - 1.7	- 27.0 - 81.2	+ 9.8 + 103.8	+ 0.2 + 3.5	+ 1.3 + 2.4	+ 1.3 + 1.2
2023 June July	- 5.6 + 13.7	- 26.8	+ 21.8 + 22.3	+ 21.1 + 21.3	+ 0.7 + 1.0	+ 2.4 + 2.6	- 1.8 - 1.6	- 7.2	+ 6.6 + 7.0	+ 0.1 + 0.1	- 0.1	- 0.1 + 0.3
Aug. Sep.	+ 0.9 + 1.6	- 22.5 - 9.6	+ 23.4 + 10.5	+ 23.1 + 7.9	+ 0.4 + 2.6	+ 2.1 + 2.7	- 1.8 - 0.1	- 8.4 - 5.6	+ 8.4 + 6.3	+ 0.3 + 0.4	- 0.0 + 0.1	- 0.3 + 0.2
Oct. Nov.	+ 22.7 + 25.1	- 11.6 + 8.3	+ 26.1 + 5.2	+ 24.7 + 0.4	+ 1.5 + 4.8	+ 3.5 + 3.5	- 2.0 + 1.3	- 6.4 - 7.0	+ 14.5 + 18.7	+ 0.5 + 0.5	+ 0.0 + 0.9	+ 0.7 + 0.9
Dec.	+ 20.7	+ 0.6	+ 10.8	+ 5.9	+ 4.9	+ 2.8	+ 2.1	- 2.4	+ 11.8	+ 0.5	+ 0.0	- 1.5
2024 Jan. Feb. Mar.	+ 1.7 - 6.8 + 18.9	- 37.8 - 21.3 - 0.3	+ 36.7 + 13.6 + 19.9	+ 33.3 + 11.7 + 18.4	+ 3.4 + 1.9 + 1.4	+ 3.7 + 3.3 + 1.3	- 0.2 - 1.4 + 0.1	- 6.5 - 5.0 - 4.1	+ 9.2 + 5.9 + 3.4	+ 4.5 + 2.8 + 2.4	+ 0.1 - 0.0 - 0.1	+ 1.2 - 0.2 - 0.6
Apr.	+ 17.6	+ 3.5	+ 14.6	+ 12.5	+ 2.0	+ 0.8	+ 1.2	- 4.6	+ 4.1	+ 3.5	+ 0.1	+ 1.0
May	+ 15.0	+ 11.3 : Domestic	+ 5.0	+ 3.9	+ 1.2	+ 0.5	+ 0.6	- 3.5	+ 2.3	+ 3.1	Find of yea	- 0.0
2021	1,142.7	765.1	364.3		276.9	15.8	261.1	5.3	8.0	2.3	12.2	0.3
2022 2023	1,193.5 1,194.6	783.4 723.0	397.1 453.9	140.8 204.3	256.3 249.6	16.8 19.0	239.5 230.6	4.4 3.3	8.6 14.4	1.9 2.5	13.5 15.5	1.5 2.7
2023 June July	1,181.8 1,189.1	726.7	441.4	185.1 192.7	256.2 255.3	18.3 18.6	237.9 236.7	3.8 3.7	9.9 10.1	2.0 2.1	15.1 14.6	2.3 2.7
Aug. Sep.	1,189.2	719.9	452.0 451.5	202.1 200.9	249.9 250.6	18.0 18.7	231.9 231.9	3.7 3.6	13.6	2.2	14.6 14.6	2.4 2.7
Oct. Nov.	1,209.6 1,213.9	727.6 738.9	464.5 457.4	215.8 208.5	248.7 248.9	19.2 19.0	229.5 229.8	3.5 3.5	14.0 14.2	2.3 2.3	14.6 15.5	3.4 4.2
Dec.	1,194.6	723.0	453.9	204.3	249.6	19.0	230.6	3.3	14.4	2.5	15.5	2.7
2024 Jan. Feb. Mar.	1,203.8 1,183.1 1,191.0	714.6 697.1 697.0	471.4 468.1 476.0	223.4 221.6 229.7	248.0 246.5 246.3	19.1 19.1 19.3	228.9 227.4 227.0	3.3 3.2 3.2	14.5 14.7 14.7	2.5 2.7 2.8	15.4 15.4 15.2	4.0 3.8 3.1
Apr.	1,197.7	700.0	479.7	232.5	247.1	19.1	228.1	3.2	14.8	2.9	15.3	4.1
May	1,203.1	709.0	475.9	228.2	247.7	19.4	228.3	3.2	15.0	3.0	15.3	4.1 Changes *
2022	+ 56.2	+ 17.7	+ 38.8	+ 52.1	- 13.3	+ 1.0	- 14.3	- 0.9	+ 0.6	- 0.5	+ 1.0	+ 1.3
2023 2023 June	+ 11.1 - 8.5	- 48.0 - 15.9	+ 57.5 + 7.3	+ 63.0 + 8.9	- 5.5 - 1.6	+ 2.0 + 0.1	- 7.6 - 1.7	- 1.1 - 0.1	+ 2.7 + 0.2	+ 0.6 + 0.0	+ 2.0 - 0.1	+ 1.2 - 0.1
July Aug.	+ 7.2 + 0.1	+ 0.6 - 6.8	+ 6.5 + 6.6	+ 7.5 + 9.1	- 1.1 - 2.5	+ 0.3 - 0.3	- 1.4 - 2.2	- 0.1 - 0.1	+ 0.2 + 0.4	+ 0.0 + 0.1	- 0.5 - 0.0	+ 0.3 - 0.3
Sep. Oct.	- 1.3 + 21.8	- 0.7 + 8.5	- 0.5 + 13.0	- 0.7 + 14.9	+ 0.2	+ 0.5 + 0.5	- 0.3 - 2.4	- 0.1	- 0.0 + 0.4	+ 0.1 + 0.1	+ 0.0 - 0.0	+ 0.2 + 0.7
Nov. Dec.	+ 4.4 - 8.7	+ 11.2 - 4.4	- 7.0 - 4.3	- 7.2 - 4.2	+ 0.2 - 0.1	- 0.2 + 0.0	+ 0.4 - 0.1	- 0.1 - 0.2	+ 0.2 + 0.2	+ 0.0 + 0.2	+ 0.9 - 0.0	+ 0.9 - 1.5
2024 Jan. Feb.	+ 9.2 - 20.7	- 8.5 - 17.5	+ 17.5 - 3.3	+ 19.1 - 1.8	- 1.6 - 1.5	+ 0.1 - 0.0	- 1.7 - 1.5	- 0.0 - 0.0	+ 0.1 + 0.2	+ 0.0 + 0.2	- 0.0 - 0.1	+ 1.2 - 0.2
Mar.	+ 7.8	- 0.1	+ 7.9	+ 8.1	- 0.2	+ 0.2	- 0.4	- 0.0	+ 0.0	+ 0.1 + 0.2	- 0.1 + 0.0	- 0.6
Apr. May	+ 6.7 + 5.5	+ 3.0 + 9.2	+ 3.6 - 3.9	+ 2.8 - 4.4	+ 0.8 + 0.5	- 0.2 + 0.3	+ 1.0 + 0.2	- 0.0 - 0.0	+ 0.1 + 0.2	+ 0.2 + 0.1	+ 0.0 + 0.0	+ 1.0 - 0.0
	4 Including lia	bilities arising f	rom non-nego	tiable bearer de	ebt securities.							

4 Including liabilities arising from non-negotiable bearer debt securities.

8. Deposits of domestic households and non-profit institutions at banks (MFIs) in Germany *

	€ billion											
		Sight deposits	;					Time deposits	1,2			
			by creditor gr	oup					by creditor gro	oup		
	Deposits of		Domestic hou	seholds]	Domestic hou	seholds		
Period	domestic households and non-profit institutions, total	Total	Total	Self- employed persons	Employees	Other individuals	Domestic non-profit institu- tions	Total	Total	Self- employed persons	Employees	Other individuals
										Ene	d of year o	r month *
2021 2022 2023	2,623.6 2,688.7 2,747.5	1,807.1 1,854.7 1,726.6	1,762.4 1,809.9 1,685.2	308.6 307.3 270.9	1,288.4 1,342.5 1,271.0	165.4 160.1 143.4	44.7 44.8 41.3	249.8 284.8 455.7	237.8 268.7 434.0	18.2 31.2 67.6	185.6 200.5 317.3	33.9 37.1 49.2
2023 Dec.	2,747.5	1,726.6	1,685.2	270.9	1,271.0	143.4	41.3	455.7	434.0	67.6	317.3	49.2
2024 Jan. Feb. Mar.	2,740.1 2,753.9 2,764.9	1,697.3 1,693.5 1,693.3	1,656.3 1,652.1 1,652.0	268.0 265.9 261.1	1,248.0 1,247.2 1,252.7	140.4 139.0 138.1	41.0 41.4 41.3	474.8 491.7 503.6	453.1 469.9 481.4	71.2 74.0 75.5	331.3 344.0 352.8	50.7 52.0 53.2
Apr. May	2,775.8 2,785.4	1,693.8 1,695.8	1,652.7 1,653.6	265.5 266.0	1,251.1 1,251.8	136.1 135.9	41.1 42.2	514.5 523.6	492.2 500.8	76.4 77.5	361.7 368.6	54.1 54.7
											(Changes *
2022 2023	+ 66.5 + 58.9	+ 48.0 - 132.7	+ 47.8 - 129.2	- 1.5 - 36.7	+ 54.1 - 76.8	- 4.7 - 15.7	+ 0.1 - 3.5	+ 35.4 + 170.6	+ 31.4 + 164.9	+ 12.9 + 36.1	+ 17.2 + 116.5	+ 1.2 + 12.2
2023 Dec.	+ 29.3	+ 5.0	+ 4.1	- 2.4	+ 6.5	+ 0.1	+ 0.9	+ 15.0	+ 13.9	+ 2.6	+ 9.9	+ 1.3
2024 Jan. Feb. Mar.	- 7.5 + 13.8 + 11.0	- 29.3 - 3.8 - 0.2	- 29.0 - 4.2 - 0.1	- 2.9 - 2.0 - 4.8	- 23.1 - 0.7 + 5.5	- 3.0 - 1.4 - 0.8	- 0.3 + 0.4 - 0.1	+ 19.2 + 16.9 + 11.9	+ 19.1 + 16.8 + 11.5	+ 3.6 + 2.8 + 1.5	+ 14.0 + 12.7 + 8.8	+ 1.5 + 1.3 + 1.2
Apr. May	+ 10.9 + 9.5	+ 0.5 + 2.0	+ 0.7 + 1.0	+ 4.3 + 0.5	- 1.7 + 0.7	- 2.0 - 0.2	- 0.2 + 1.0	+ 10.9 + 9.0	+ 10.8 + 8.5	+ 0.8 + 1.1	+ 8.6 + 6.8	+ 1.4 + 0.6

* See Table IV.2, footnote *; statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in the following Monthly Report, are not specially marked. ${\bf 1}$ Including subordinated liabilities and liabilities arising from

9. Deposits of domestic government at banks (MFIs) in Germany, by creditor group *

	€ billion												
	Deposits												
		Federal Gove	ernment and it	ts special fund	_S 1			State govern	ments				
				Time deposit	S					Time deposit	s		
Period	Domestic government, total	Total	Sight deposits	for up to and including 1 year	for more than 1 year	Savings deposits and bank savings bonds ²	Memo item: Fiduciary Ioans	Total	Sight deposits	for up to and including 1 year	for more than 1 year	Savings deposits and bank savings bonds ²	Memo item: Fiduciary Ioans
											End	of year o	r month *
2021 2022 2023	210.1 279.8 286.9	43.5 66.8 52.0	4.2 7.9 9.8	3.2 24.2 6.7	36.0 34.6 35.5	0.1 0.1 0.0	11.7 11.4 11.6	47.4 53.8 51.9	21.7 17.1 19.7	13.8 25.2 21.9	11.3 10.9 9.9	0.6 0.5 0.4	14.1 15.9 15.1
2023 Dec.	286.9	52.0	9.8	6.7	35.5	0.0	11.6	51.9	19.7	21.9	9.9	0.4	15.1
2024 Jan. Feb. Mar.	272.5 276.6 283.2	50.5 49.5 49.9	10.8 10.1 10.6	4.2 4.0 4.0	35.4 35.3 35.3	0.0 0.0 0.0	11.6 11.7 11.9	55.7 57.9 63.1	22.3 21.1 20.8	24.0 26.7 32.5	9.1 9.7 9.4	0.3 0.4 0.4	14.9 14.9 15.0
Apr. May	266.2 274.8	49.2 49.5	10.4 10.5	3.5 3.8	35.2 35.1	0.0 0.0	11.9 11.9	54.2 54.3	18.1 21.3	27.4 24.5	8.3 8.2	0.4 0.4	15.0 15.1
												(Changes *
2022 2023	+ 69.1 + 6.5	+ 23.0 - 14.8	+ 3.5 + 1.9	+ 20.9 - 17.6	- 1.4 + 0.9	- 0.0 - 0.0	- 0.3 + 0.2	+ 6.4 - 2.0	- 4.6 + 2.9	+ 11.3 - 3.7	- 0.3 - 1.0	- 0.1 - 0.1	+ 1.8 - 0.1
2023 Dec.	+ 1.7	- 3.1	- 2.9	- 0.8	+ 0.6	+ 0.0	+ 0.3	+ 0.8	+ 1.1	+ 0.3	- 0.5	- 0.0	+ 0.4
2024 Jan. Feb. Mar.	- 14.4 + 4.1 + 6.6	- 1.5 - 1.0 + 0.5	+ 1.0 - 0.7 + 0.4	- 2.5 - 0.2 + 0.0	- 0.1 - 0.1 - 0.0	- 0.0 + 0.0 + 0.0	+ 0.0 + 0.1 + 0.2	+ 3.8 + 2.2 + 5.2	+ 2.5 - 1.2 - 0.3	+ 2.0 + 2.8 + 5.7	- 0.8 + 0.6 - 0.2	- 0.0 + 0.0 + 0.0	- 0.2 + 0.0 + 0.0
Apr. May	- 17.0 + 8.6	- 0.8 + 0.3	- 0.2 + 0.1	- 0.5 + 0.3	- 0.1 - 0.1	- 0.0 + 0.0	- 0.0 - 0.0	- 8.9 + 0.1	- 2.7 + 3.1	- 5.0 - 2.9	- 1.2 - 0.1	+ 0.0 - 0.0	+ 0.0 + 0.1

* See Table IV.2, footnote *; excluding deposits of the Treuhand agency and its successor organisations, of the Federal Railways, East German Railways and Federal Post Office, and, from 1995, of Deutsche Bahn AG, Deutsche Post AG and Deutsche

Telekom AG, and of publicly owned enterprises, which are included in "Enterprises". Statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in

										Saving	js depo	sits 3					Memo	tem:			_		
		by matur	ity																				
				more	than 1	/ear 2																	
						of whi	ch:												Subordina liabilities				
Domestic non-profi institu- tions	t	up to and including 1 year		Total		up to a includi 2 year:	ng	more t 2 years		Total		Domestic househol		Domestic non-profit institu- tions		Bank savings bonds 4	Fiducia: loans	у	(excluding negotiable debt securities)	9	Liabilities arising from repos		Period
End of	yea	ar or m	ont	:h *																			
1	2.0 6.0 1.6	6	1.7 7.2 4.7		218.1 217.5 251.0		10.1 10.6 38.2		208.0 206.9 212.7		553.4 526.8 441.8	52	7.2 1.8 8.4	5	.2 .1 .4	13.2 22.4 123.5		6.1 6.8 21.0		2.8 3.1 3.5		-	2021 2022 2023
2	1.6	20	4.7		251.0		38.2		212.7		441.8	43	8.4	Е	.4	123.5		21.0		3.5		-	2023 Dec.
2	1.7 1.8 2.2	23	8.9 2.4 2.8		255.9 259.3 260.8		41.7 45.0 46.1		214.2 214.3 214.8		435.3 430.4 426.3	42	2.0 7.2 3.2	3	.3 .2 .2	132.6 138.3 141.7		25.5 28.2 30.5		3.6 3.7 3.7		-	2024 Jan. Feb. Mar.
2	2.3 2.8		2.5 0.9		262.1 262.7		47.1 47.3		215.0 215.4		421.8 418.3		8.7 5.2		.1 .1	145.6 147.7		33.8 36.9		3.8 3.8		-	Apr. May
Chang	es *																						
	4.0 5.7		5.7 7.0	-+	0.3 33.6	+++	0.5 27.8	- +	0.8 5.8	-	26.1 80.1		5.0 8.4		.1 .7	+ 9.2 + 101.1	++	0.7 2.9	++++	0.3 0.4		-	2022 2023
+	1.2	+ 1	0.0	+	5.0	+	2.8	+	2.3	-	2.3	-	2.2	- C	.1	+ 11.6	+	0.3	+	0.0		-	2023 Dec.
+	0.0 0.1 0.4	+ 1	4.2 3.5 0.3	+ + +	5.0 3.4 1.6	+++++	3.5 3.3 1.1	+++++++	1.5 0.1 0.5		6.4 4.9 4.1	-	6.3 4.9 4.0	— C	.1 .1 .1	+ 9.1 + 5.7 + 3.4	+ + +	4.5 2.7 2.3	+ + +	0.1 0.1 0.0		-	2024 Jan. Feb. Mar.
	0.1 0.5		9.7 8.3	++	1.2 0.7	++	1.1 0.2	++++	0.2 0.4		4.5 3.5		4.5 3.5		.1 .0	+ 4.0 + 2.1	++	3.3 3.0	+++	0.1 0.0		-	Apr. May

registered debt securities. **2** Including deposits under savings and loan contracts (see Table IV.12). **3** Excluding deposits under savings and loan contracts (see also

footnote 2). ${\bf 4}$ Including liabilities arising from non-negotiable bearer debt securities. ${\bf 5}$ Included in time deposits.

		government as purpose associ				Social security	/ funds					
		Time deposits	3					Time deposits				
Fotal	Sight deposits	for up to and including 1 year	for more than 1 year	Savings deposits and bank savings bonds 2,4	Memo item: Fiduciary loans	Total	Sight deposits	for up to and including 1 year	for more than 1 year	Savings deposits and bank savings bonds 2	Memo item: Fiduciary Ioans	Period
End of ye	ar or mon [.]	th *										
70.9 80.0 83.3	48.5 49.2 45.6	6.0 12.5 19.8	12.0 13.8 14.1	4.4 4.4 3.8	0.0 0.0 0.0	48.3 79.2 99.6	8.0 8.3 16.1	19.0 44.9 57.2	20.5 25.5 25.3	0.8 0.6 1.0		2021 2022 2023
83.3	45.6	19.8	14.1	3.8	0.0	99.6	16.1	57.2	25.3	1.0	-	2023 Dec
73.1 77.5 73.1	35.5 39.4 35.4	19.8 20.1 20.0	14.0 14.2 14.1	3.7 3.7 3.7	0.0 0.0 0.0	93.2 91.8 97.1	16.2 17.1 22.2	50.4 50.5 49.6	25.5 23.2 24.2	1.0 1.0 1.0		2024 Jan. Feb Mar
71.6 77.8	34.9 40.6	19.1 19.8	13.9 13.7	3.7 3.7	0.0 0.0	91.2 93.2	18.2 19.7	49.8 50.3	22.1 22.1	1.0 1.1	=	Apr May
Changes '	*											
+ 10.2 + 3.2	+ 0.9 - 3.8	+ 7.9 + 7.3	+ 1.3 + 0.3	+ 0.1 - 0.6	=	+ 29.6 + 20.2	+ 0.3 + 7.8	+ 24.5 + 12.4	+ 4.9 - 0.3	- 0.2 + 0.3	-	2022 2023
+ 3.8	+ 3.3	+ 0.3	+ 0.1	+ 0.0	-	+ 0.1	- 2.8	+ 2.0	+ 0.9	+ 0.0	-	2023 Dec
- 10.2 + 4.3 - 4.4	- 10.1 + 3.9 - 4.0	+ 0.0 + 0.3 - 0.1	- 0.1 + 0.2 - 0.2	- 0.1 - 0.0 - 0.0	=	- 6.5 - 1.4 + 5.3	+ 0.2 + 0.9 + 5.1	- 6.8 + 0.1 - 0.9	+ 0.2 - 2.4 + 1.1	- 0.0 + 0.0 - 0.0		2024 Jan. Feb Mai
- 1.5 + 6.2	- 0.4 + 5.7	- 0.9 + 0.7	- 0.1 - 0.2	+ 0.0 + 0.0	=	- 5.8 + 2.0	- 4.0 + 1.5	+ 0.2 + 0.4	- 2.1 - 0.1	+ 0.0 + 0.1	=	Apr. May

the following Monthly Report, are not specially marked. **1** Federal Railways Fund, Indemnification Fund, Redemption Fund for Inherited Liabilities, ERP Special Fund, German Unity Fund, Equalisation of Burdens Fund. **2** Including liabilities arising from

non-negotiable bearer debt securities. **3** Including deposits under savings and loan contracts. **4** Excluding deposits under savings and loan contracts (see also footnote 3).

Period

Period

2021 2022 2024

2022 2023 2024

2022 2023 2024 J Ν 10. Savings deposits and bank savings bonds of banks (MFIs) in Germany sold to non-banks (non-MFIs) *

	€ billion												
	Savings depos	sits 1								Bank savings	bonds, 3 sold t	:0	
		of residents					of non-resid	lents			domestic non	-banks	
			at 3 months notice		at more thar months' not				Memo item:			of which:	
od	Total	Total	Total	of which: Special savings facilities 2	Total	of which: Special savings facilities 2	Total	of which: At 3 months' notice	Interest credited on savings deposits	non-banks, total	Total	With maturities of more than 2 years	foreign non-banks
	End of ye	ar or mont	th *										
1 2 3	567.1 538.5 450.5	561.2 533.2 445.9	537.1 510.3 395.3	269.0 254.2 187.1	24.1 22.9 50.6	14.8 14.2 43.0	5.9 5.3 4.6	5.4 4.8 3.8	1.5 1.4 2.6	24.7 34.9 143.2	24.5 34.6 142.2	19.5 20.8 35.5	0.2 0.2 1.0
4 Jan. Feb. Mar.	444.0 439.0 434.9	439.4 434.4 430.3	386.3 379.0 373.2	184.1 180.9 178.5	53.1 55.5 57.1	45.8 48.3 50.0	4.5 4.5 4.5	3.7 3.7 3.6	0.1 0.1 0.1	152.5 158.4 161.8	151.4 157.3 160.7	36.8 37.9 38.8	1.0 1.1 1.1
Apr. May	430.2 426.7	425.8 422.2	367.7 363.7	176.3 174.7	58.0 58.6	51.0 51.5	4.5 4.5	3.6 3.5	0.1 0.1	166.0 168.3	164.8 167.2	39.5 40.0	1.1 1.1
	Changes '	*											
2	- 28.1 - 83.0	- 27.5 - 82.3	- 26.4 -110.0	- 14.6 - 52.3	- 1.2 + 27.7	- 0.6 + 28.8	- 0.6 - 0.7	- 0.6 - 1.1		+ 10.2 + 105.2	+ 10.1 + 104.5	+ 1.3 + 12.2	+ 0.1 + 0.7
1 Jan. Feb. Mar.	- 6.6 - 5.0 - 4.1	- 6.5 - 5.0 - 4.1	- 9.1 - 7.3 - 5.7	- 3.1 - 3.0 - 2.4	+ 2.5 + 2.4 + 1.7	+ 2.8 + 2.4 + 1.7	- 0.0 - 0.0 - 0.0	- 0.1 - 0.0 - 0.1	· ·	+ 9.3 + 5.9 + 3.4	+ 9.2 + 5.9 + 3.4	+ 1.2 + 1.1 + 0.9	+ 0.1 + 0.0 - 0.0
Apr. May	- 4.6 - 3.6	- 4.6 - 3.5	- 5.5 - 4.0	- 2.1 - 1.7	+ 0.9 + 0.5	+ 1.0 + 0.5	- 0.0 - 0.0	- 0.0 - 0.1	· .	+ 4.2 + 2.4	+ 4.2 + 2.4	+ 0.7 + 0.5	+ 0.0 + 0.0

* See Table IV.2, footnote *; statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in the following Monthly Report, are not specially marked.
 1 Excluding deposits under savings and loan contracts, which are classified as time

deposits. **2** Savings deposits bearing interest at a rate which exceeds the minimum or basic rate of interest. **3** Including liabilities arising from non-negotiable bearer debt securities.

11. Debt securities and money market paper outstanding of banks (MFIs) in Germany *

	€ billion													
	Negotiable b	earer debt s	ecurities and	money mar	ket paper						Non-negoti bearer deb			
		of which:									securities a	nd		
						with matur	ities of				money mar paper 6	ket	Subordinate	tk
						up to and includi	ng 1 year	more than and includi	1 year up to ng 2 years			of which:		
	Total	Floating rate bonds 1	Zero coupon bonds 1,2	Foreign currency bonds 3,4	Certifi- cates of deposit	Total	of which: without a nominal quarantee 5	Total	of which: without a nominal guarantee 5	more than 2 years	Total	with maturities of more than 2 years	negotiable debt securities	non- negotiable debt securities
	End of ye			bonds of	deposit	lotal	guarantee	Total	guarance	2 years	Total	2 years	securities	securities
	1,173.6 1,231.5 1,327.5	106.8 92.8 85.8	13.5 15.0 15.7	331.4 307.8 312.6	98.7 88.6 101.2	106.8 98.6 122.9	1.9 1.4 1.3	18.0 26.6 43.7	4.5 3.4 3.4	1,048.8 1,106.4 1,160.9	0.9 0.8 0.0	0.7 0.7 0.0	34.6 37.8 37.5	0.1 0.1 0.1
an. eb. ⁄Iar.	1,341.4 1,348.7 1,362.4	89.1 90.2 93.1	16.7 17.1 17.3	310.2 306.7 310.4	87.0 83.6 93.6	109.9 104.7 114.0	1.4 1.5 1.4	48.2 48.7 49.0	3.6 3.7 3.7	1,183.2 1,195.3 1,199.4	0.0 0.0 0.0	0.0 0.0 0.0	37.7 37.7 37.9	0.1 0.1 0.1
∧pr. ∕lay	1,355.4 1,357.0	95.1 96.8	16.7 16.3	304.7 303.2	75.2 73.6	93.0 91.1	1.4 1.5	53.0 53.1	3.8 3.9	1,209.4 1,212.8	0.0 0.0	0.0 0.0	38.1 38.6	0.1 0.1
	Changes	*												
	+ 59.1 + 97.0	- 12.7 - 6.3	+ 1.1 + 1.4	- 23.6 + 4.4	- 9.9 + 11.4	- 8.3 + 24.5	- 0.5 - 0.0	+ 8.5 + 17.7	- 1.1 + 0.6	+ 58.9 + 54.8	- 0.1 + 0.0	+ 0.1 + 0.1	+ 3.5 - 0.3	
an. eb. ⁄Iar.	+ 13.9 + 7.3 + 13.7	+ 3.3 + 1.2 + 2.9	+ 1.0 + 0.4 + 0.2	- 2.4 - 3.5 + 3.7	- 14.2 - 3.3 + 10.0	- 13.0 - 5.3 + 9.3	+ 0.2 + 0.1 - 0.1	+ 4.5 + 0.4 + 0.4	+ 0.2 + 0.1 - 0.0	+ 22.3 + 12.1 + 4.1	+ 0.0 - 0.0	_ _ _ 0.0	+ 0.2 - 0.1 + 0.2	
\pr. Лау	- 7.0 + 1.6	+ 2.0 + 1.7	- 0.6 - 0.3	- 5.7 - 1.5	- 18.5 - 1.6	- 21.0 - 2.4	+ 0.0 + 0.0	+ 3.9 + 0.6	+ 0.1 + 0.1	+ 10.0 + 3.4	+ 0.0 - 0.0	+ 0.0 - 0.0	+ 0.3 + 0.4	- 0.0

* See Table IV.2, footnote *; statistical breaks have been eliminated from the changes. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in the following Monthly Report, are not specially marked. 1 Including debt securities denominated in foreign currencies. 2 Issue value when floated. 3 Including floating rate notes and zero coupon bonds denominated in foreign

currencies. **4** Bonds denominated in non-euro area currencies. **5** Negotiable bearer debt securities and money market paper with a nominal guarantee of less than 100%. **6** Non-negotiable bearer debt securities are classified among bank savings bonds (see also Table IV.10, footnote 2).

12. Building and loan associations (MFIs) in Germany * Interim statements

	€ billion	1														
			Lending to	banks (MF	ls)	Lending to	o non-banks	(non-MFIs)		Deposits of	of banks	Deposits o				
			Credit			Building lo	ans		Secur-	(MFIs) 6		banks (noi	n-IVIFIS)	1		Memo
End of year/month	Num- ber of associ- ations	Balance sheet total 1	bal- ances and loans (ex- cluding building loans) 2	Building loans 3	Bank debt secur- ities 4	Loans under savings and loan con- tracts	Interim and bridging loans	Other building loans	ities (in- cluding Treasury bills and Treasury discount paper) 5	Deposits under savings and loan con- tracts	Sight and time deposits	Deposits under savings and loan con- tracts	Sight and time de- posits 7	Bearer debt secur- ities out- stand- ing	Capital (includ- ing pub- lished re- serves) 8	item: New con- tracts entered into in year or month 9
	All bu	uilding a	nd loan	associat	tions											
2023 2024 Mar.	15 14	259.5 259.0	25.6 25.3	0.1 0.2	15.9 15.6	15.7 17.0	135.0 134.5	41.3 41.4	21.8 21.1	1.2 1.0	36.8 36.7	183.2 181.7	10.7 11.5	6.6 7.0	13.0 13.0	98.2 7.7
Apr. May	14 14	258.1 258.6	24.2 24.4	0.2 0.2	15.6 15.7	17.5 17.9	134.2 134.1	41.5 41.6	21.1 20.7	1.0 0.9	36.3 36.6	180.9 180.7	11.5 11.8	7.5 7.5	13.1 13.1	6.4 6.2
	Privat	te buildi	ng and I	oan ass	ociation	S										
2024 Mar.	9	182.8	11.7	0.2	8.6	11.4	104.3	35.3	8.8	0.3	33.8	116.6	11.1	7.0	8.9	4.2
Apr. May	9 9 Publi	182.0 182.5	10.6 10.7 10 and lo	0.2 0.2	8.7 8.9	11.7 11.9	104.0 103.9	35.4 35.5	8.9 8.8	0.3 0.3	33.2 33.4	116.0 115.8	11.1 11.3	7.5 7.5	9.0 9.0	4.2 4.0
2024 Мак	5		1 13.6				1 20.2		122	0.7		L (5.2				3.4
2024 Mar.					7.0	5.6	30.2	6.1	12.3	1		65.2	0.5	-	4.1	
Apr. May	5 5	76.1 76.1	13.5 13.8	0.0 0.0	6.9 6.8	5.8 6.0	30.2 30.2	6.1 6.2	12.2 11.9	0.7 0.7	3.1 3.1	65.0 64.9	0.4 0.5	-	4.1 4.1	2.3 2.3

Trends in building and loan association business

	€ billion															
	Changes i			Capital pro	omised	Capital disb	ursed				_	Disburser		Interest an		
	under savi loan contr						Allocation	5				commitm outstand end of pe	ing at	repayment received o building lo	n	
		Interest	Repay- ments of				Deposits u savings an loan contr	d	Loans und savings an loan contr	d	Newly			building lo		
Period	Amounts paid into savings and loan ac- counts 10	credited on deposits under savings and loan con- tracts	deposits under cancelled savings and loan con- tracts	Total	of which: Net alloca- tions 12	Total	Total	of which: Applied to settle- ment of interim and bridging loans	Total	of which: Applied to settle- ment of interim and bridging loans	granted interim and bridging loans and other building loans	Total	of which: Under alloc- ated con- tracts	Total	of which: Repay- ments during quarter	Memo item: Housing bonuses re- ceived 13
renou			d loan as			Total	Total	louns	Total	louis	louns	Total	lidets	Total	quarter	cented 15
		ang an	a loan a.	sociatio												
2023 2024 Mar.	27.0 2.1	1.9 0.1	6.4 0.5	52.0 4.9	40.3 3.8	49.9 4.4	25.9 2.5	4.2 0.3	8.7 0.8	4.4 0.4	15.3 1.1	12.6 12.4	7.3 7.4	4.9 0.4	4.1 1.1	0.2 0.0
Apr. May	2.1 2.4 Private	0.1 0.1 building	0.5 0.5 and loa	4.9 4.5 an assoc	3.8 3.5 iations	4.6 4.1	2.5 2.2	0.4 0.4	0.9 0.8	0.4 0.4	1.2 1.1	12.2 12.2	7.3 7.4	0.5 0.5		0.0 0.0
2024 Mar.	1.4	0.1	0.3	3.3	2.5	3.2	1.8	0.3	0.5	0.3	0.9	8.1	4.0	0.3	0.8	0.0
Apr. May	1.4 1.5 Public I	0.1 0.0 Duilding	0.3 0.2 and Ioa	3.5 3.1 n associ	2.6 2.3 ations	3.3 2.9	1.7 1.5	0.4 0.3	0.6 0.5	0.3 0.3	0.9 0.9	8.0 7.9	4.0 4.1	0.3 0.3		0.0 0.0
2024 Mar.	0.7	0.0	0.2	1.5		1.2	0.7	0.1	0.3	0.1	0.2	4.3	3.4	0.1	0.3	0.0
	0.7		0.2	1.5	1.2	1.2	0.7	0.1		0.1	0.2	4.3		0.1	0.5	
Apr. May	0.7	0.0 0.0	0.2	1.5	1.2 1.2	1.3	0.7	0.1	0.3 0.3	0.1	0.3	4.3 4.3	3.3 3.4	0.1		0.0 0.0

* Excluding assets and liabilities and/or transactions of foreign branches. The figures for the latest date are always to be regarded as provisional. Subsequent revisions, which appear in the following Monthly Report, are not specially marked. 1 See Table IV.2, footnote 1. 2 Including claims on building and Ioan associations, claims arising from registered debt securities and central bank credit balances. 3 Loans under savings and Ioan contracts and interim and bridging Ioans. 4 Including menuery market paper and small amounts of other securities issued by banks. 5 Including equalisation claims. 6 Including liabilities to building and Ioan associations. 7 Including small amounts of avaings denosits. 8 Including neuricination induct capital and fund for general banking savings deposits. 8 Including participation rights capital and fund for general banking

risks. **9** Total amount covered by the contracts; only contracts newly entered into, for which the contract fee has been fully paid. Increases in the sum contracted count as new contracts. **10** For disbursements of deposits under savings and loan contracts arising from the allocation of contracts see "Capital disbursed". **11** Including housing bonuses credited. **12** Only allocations accepted by the beneficiaries; including allocations applied to settlement of interim and bridging loans. **13** The amounts already credited to the accounts of savers or borrowers are also included in "Amounts paid into savings and loan accounts" and "Interest and repayments received on building loans".

13. Assets and liabilities of the foreign branches and foreign subsidiaries of German banks (MFIs) *

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		€ billion														
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		Number of			Lending to	banks (MFIs)			Lending t	o non-banks	(non-MFIs)			Other assets	7
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Period	banks (MFIs) with foreign branches and/or foreign subsi-	branches 1 and/or foreign subsi-	sheet	Total		German	Foreign	market paper, secur-	Total		German non-	foreign non-	market paper, secur-	Total	Derivative financial instruments in the trading
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		Foreign		s										End	d of year o	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2022	47	202	1,625.5	461.8	447.4	315.6	131.8	14.4	516.7	447.7	9.7	437.9	69.0	647.0	513.3
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Aug.	48	202 201	1,663.5 1,680.8	483.7 488.5	463.8 468.9	312.6 315.9	151.2	19.9 19.6	499.1 496.6	424.2 420.9	6.1 6.4	418.1 414.5	74.9 75.7	680.8 695.7	502.7 513.6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Nov. Dec.	47 47	200 200	1,622.2 1,544.2	468.5 457.5	448.3 437.7	304.7 304.4	143.6 133.3	20.2 19.8	507.9 507.9	422.9 421.0	5.7 5.4	417.2 415.6	85.0 86.9	645.8 578.8	462.2 417.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Feb. Mar.	47 47	200 199	1,620.1 1,634.7	486.0 506.6	464.7 483.8	322.5 327.2	142.2 156.6	21.3 22.8	517.5 523.9	424.8 431.4	5.0 5.1	419.9 426.3	92.7 92.6	616.7 604.1	425.7 428.8
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Apr.	47	199	1,668.0	499.4	474.9	325.7	149.3	24.4	520.3	432.4	4.8	427.5	88.0	•	
$ \begin{array}{c} 2023 \mathrm{Aug.} \\ \mathrm{Sep.} \\ \mathrm{from} \\ \mathrm{sep.} \\ \mathrm{from} \\ \mathrm{sep.} \\ \mathrm{from} \\ \mathrm{sep.} \\ \mathrm{from} \\ \mathrm{sep.} \\ \mathrm{sep.} \\ \mathrm{from} \\ \mathrm{sep.} \\ \mathrm$															+ 108.1	+ 103.0
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2023 Aug.	± 0	_	+ 13.4	- 8.7	- 8.5	- 6.4	- 2.1	- 0.2	- 0.7	- 1.9	+ 0.2	- 2.1	+ 1.2	+ 18.5	+ 10.7
Feb. Mar. $\begin{array}{c} 1 \\ \pm 0 \\ \pm 0 \\ \pm 0 \end{array}$ $\begin{array}{c} -1 \\ \pm 0 \\ \pm 0 \\ \pm 0 \end{array}$ $\begin{array}{c} +144 \\ \pm 155 \\ \pm 0 \\ \pm 0 \\ \pm 0 \end{array}$ $\begin{array}{c} +145 \\ \pm 144 \\ \pm 155 \\ \pm 0 \\ \pm 0 \\ \pm 0 \end{array}$ $\begin{array}{c} -1 \\ \pm 0 \\$	Nov.	- 1	- 1	- 69.3	- 6.3		- 2.2	- 4.5	+ 0.5	+14.6	+ 8.2	- 0.3	+ 8.5	+ 6.4	- 69.0	- 66.3
Foreign subsidiaries 8 End of year or month * 2021 12 35 246.0 50.8 44.4 20.7 23.7 6.3 195.5 116.3 12.6 103.7 21.3 45.4 0.0 2023 12 31 264.0 74.5 65.9 22.5 38.2 10.6 146.4 122.5 11.3 111.2 21.3 49.4 0.0 2023 Mar. 11 32 25.9 62.2 51.7 20.7 31.0 10.5 146.5 126.2 13.3 111.2 21.3 49.4 0.0 Apr. 11 31 250.9 64.4 53.3 22.4 30.9 11.1 145.5 126.6 12.7 113.9 19.9 42.5 0.00 June 12 32 253.4 64.2 52.2 23.0 29.3 11.4 147.4 126.9 12.9 11.4.1 20.5 42.4 0.0 June 12 <td>Feb.</td> <td>± 0</td> <td>- </td> <td>+ 39.9</td> <td>+ 15.1</td> <td>+ 14.8</td> <td>+ 12.5</td> <td>+ 2.3</td> <td>+ 0.3</td> <td>- 1.0</td> <td>- 0.0</td> <td>- 0.1</td> <td>+ 0.1</td> <td>- 0.9</td> <td>+ 26.2</td> <td>+ 22.8</td>	Feb.	± 0	-	+ 39.9	+ 15.1	+ 14.8	+ 12.5	+ 2.3	+ 0.3	- 1.0	- 0.0	- 0.1	+ 0.1	- 0.9	+ 26.2	+ 22.8
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Apr.	I			- 7.5	- 9.2	- 1.5	- 7.7	+ 1.6	- 5.4	- 0.6	- 0.3	- 0.3		•	
2022 11 32 256.7 61.5 52.0 20.5 31.4 9.5 145.8 124.5 11.9 11.12 21.1 44.1 0.0 2023 11 31 253.9 62.2 51.7 20.7 31.0 10.5 146.5 125.2 11.9 11.3 21.1 44.1 0.0 Apr. 11 31 250.9 64.4 53.3 22.4 30.9 11.1 145.3 126.6 13.0 112.6 19.8 41.2 0.0 May 11 31 250.9 59.3 48.8 21.5 27.2 10.5 146.2 12.8 113.5 19.9 45.5 0.0 July 12 31 253.4 63.6 52.2 23.0 29.3 11.4 147.4 126.9 12.9 114.1 20.5 42.4 0.0 Aug. 12 31 255.4 62.8 52.2 21.9 30.3 10.6 146.0 125.6 12.7 112.9 20.4 44.4 0.0 0.0 0.0	2021	-			50.8	44.4	20.7	23.7	63	l 1395	1163	l 12.6	103.7			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2022 2023	11 12	32 31	256.7 264.0	61.5 74.5	52.0 63.9	20.5 25.7	31.4 38.2	9.5 10.6	145.8 146.4	124.5 125.2	13.3 11.9	111.2 113.4	21.3 21.1	49.4 43.1	0.0 0.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Apr. May	11 11	31 31	250.9 250.9	64.4 59.3	53.3 48.8	22.4 21.5	30.9 27.2	11.1 10.5	145.3 146.2	125.6 126.3	13.0 12.8	112.6 113.5	19.8 19.9	41.2 45.5	0.0 0.0
$\begin{array}{c} \begin{array}{c} \begin{array}{c} 1\\ 0,0,$	July Aug.	12 12	31 31	253.4 252.8	63.6 62.8	52.2 52.2	23.0 21.9	29.3 30.3	11.4 10.6	147.4 146.0	126.9 125.6	12.9 12.7	114.1 112.9	20.5 20.4	42.4 44.1	0.0 0.0
2022 -1 -3 +6.5 +8.2 +5.2 -0.2 +5.6 +2.8 +5.0 +6.9 +0.7 +6.3 -1.9 - 6.5 ± 0.0 2023 +1 -1 +8.7 +13.5 +12.2 +5.2 +7.1 +1.2 +1.5 +1.7 -1.4 +3.1 -0.2 - 6.3 ± 0.0 2023 Apr. - - 1 -2.7 +2.2 +1.6 +1.7 -0.1 +0.6 -0.8 -0.4 -0.3 -0.1 -0.5 - 4.1 ± 0.0 May - - -1.5 -5.7 -4.9 -0.8 -4.1 -0.7 -0.1 -0.3 -0.2 - 0.0 ± 0.0 June +1 +1 +3.2 +5.3 +4.2 +0.9 +3.3 +1.0 +0.9 +0.9 -0.0 +0.9 +0.0 - 3.0 ± 0.0 July - -1 +0.6 -0.5 -0.4 +0.6 -1.0 -0.1 +1.2 +0.7 </td <td>Oct. Nov.</td> <td>12 12</td> <td>31 31</td> <td>257.4 259.9</td> <td>65.8 66.9</td> <td>56.0 57.7</td> <td>24.5 23.6</td> <td>31.5 34.1</td> <td>9.8 9.3</td> <td>146.8 147.8</td> <td>126.2 126.9</td> <td>12.0 12.1</td> <td>114.2 114.8</td> <td>20.6 20.9</td> <td>44.8 45.2</td> <td>0.0 0.0</td>	Oct. Nov.	12 12	31 31	257.4 259.9	65.8 66.9	56.0 57.7	24.5 23.6	31.5 34.1	9.8 9.3	146.8 147.8	126.2 126.9	12.0 12.1	114.2 114.8	20.6 20.9	44.8 45.2	0.0 0.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dec.	12	31	204.0	74.5	05.9	25.7	36.2	10.0	140.4	125.2	11.9	115.4	21.1	•	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$															- 6.5	± 0.0
July $ +$ 0.6 $ 0.5$ $ 0.4$ $+$ 0.6 $ 0.1$ $+$ 1.2 $+$ 0.7 $+$ 0.1 $+$ 0.7 $+$ 0.6 $ 0.1$ $+$ 0.7 $+$ 0.1 $+$ 0.5 $ 0.1$ $+$ 0.7 $ 0.1$ $+$ 0.7 $ 0.1$ $+$ 0.7 $ 0.1$ $+$ 0.7 $ 0.7$ $-$ <t< td=""><td>2023 Apr. May</td><td>=</td><td>- 1</td><td>- 2.7 - 1.5</td><td>+ 2.2 - 5.7</td><td>+ 1.6 - 4.9</td><td>+ 1.7 - 0.8</td><td>- 0.1 - 4.1</td><td>+ 0.6 - 0.7</td><td>- 0.8 - 0.1</td><td>- 0.4 - 0.3</td><td>- 0.3 - 0.2</td><td>- 0.1 - 0.0</td><td>- 0.5 + 0.1</td><td>- 4.1 + 4.3</td><td>$\pm 0.0 \\ \pm 0.0$</td></t<>	2023 Apr. May	=	- 1	- 2.7 - 1.5	+ 2.2 - 5.7	+ 1.6 - 4.9	+ 1.7 - 0.8	- 0.1 - 4.1	+ 0.6 - 0.7	- 0.8 - 0.1	- 0.4 - 0.3	- 0.3 - 0.2	- 0.1 - 0.0	- 0.5 + 0.1	- 4.1 + 4.3	$ \pm 0.0 \\ \pm 0.0 $
Oct. - + 1.4 - 0.6 + 0.1 - 0.4 + 0.5 - 0.3 + 0.8 - 0.3 + 1.8 \pm 0.0 Nov. - - + 3.8 + 1.5 + 0.9 + 0.4 + 1.8 + 1.5 + 0.1 + 1.5 + 0.4 ± 0.0	July Aug.	-	- 1	+ 0.6 - 1.2	- 0.5 - 1.0	- 0.4 - 0.2	+ 0.6 - 1.0	- 1.0 + 0.8	- 0.1 - 0.9	+ 1.2 - 1.8	+ 0.7 - 1.7	+ 0.1 - 0.2	+ 0.5 - 1.5	+ 0.6 - 0.1	- 0.1 + 1.7	$ \pm 0.0 \\ \pm 0.0 $
	Oct. Nov.	-	-	+ 1.4 + 3.8	- 0.6 + 1.5	+ 0.1 + 2.0	- 0.4 - 0.9	+ 0.5 + 2.9	- 0.7 - 0.4	+ 0.2 + 1.8	+ 0.5 + 1.5	- 0.3 + 0.1	+ 0.8 + 1.5	- 0.3 + 0.3	+ 1.8 + 0.4	$ \pm 0.0 \\ \pm 0.0 $

* In this table "foreign" also includes the country of domicile of the foreign branches and foreign subsidiaries. Statistical breaks have been eliminated from the changes. (Breaks owing to changes in the reporting population have not been eliminated from the flow figures for the foreign subsidiaries.) The figures for the latest date are always

to be regarded as provisional; subsequent revisions, which appear in the following Monthly Report, are not specially marked. **1** Several branches in a given country of domicile are regarded as a single branch. **2** Treasury bills, Treasury discount paper

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IV. Banks

Deposits											Other liabilitie	s 6,7]
	of banks (M	FIs)		of non-banks	(non-MFls)]				1
					German no	n-banks 4							
Total	Total	German banks	Foreign banks	Total	Total	Shortterm	Medium and longterm	Foreign non-banks	Money market paper and debt securities outstand- ing 5	Working capital and own funds	Total	of which: Derivative financial instruments in the trading portfolio	Period
End of ye	ar or mo	nth *									Foreig	n branches	
950.2 943.4 943.5	638.5 573.6 554.5	461.2 435.2 422.6	177.3 138.5 131.9	311.7 369.8 389.0	8.1 10.4 10.6	8.9	1.8 1.5 1.2	303.6 359.4 378.4	65.2 61.7 64.1	51.3 63.1 66.1	437.9 557.4 470.5	403.4 512.9 418.3	2021 2022 2023
966.6 965.4 963.9	577.8 581.8 571.6	416.3 423.8 418.7	161.5 158.0 152.9	388.8 383.5 392.3	7.7 8.3 11.0	7.0	1.2 1.3 1.4	381.0 375.3 381.3	76.1 78.9 84.4	65.1 65.4 66.0	541.7 553.8 566.5	492.8 503.1 513.9	2023 July Aug. Sep.
958.1 958.5 943.5	572.8 561.4 554.5	421.2 414.6 422.6	151.6 146.8 131.9	385.3 397.0 389.0	11.0 11.5 10.6	10.3 9.5	1.4 1.2 1.2	374.3 385.5 378.4	82.9 81.2 64.1	66.0 65.9 66.1	586.0 516.6 470.5	530.5 463.3 418.3	Oct. Nov. Dec.
967.4 984.5 997.2	573.0 586.5 587.3	433.0 443.4 442.4	140.0 143.1 144.9	394.4 398.0 409.9	11.0 10.7 11.3	9.7 10.3	1.2 1.0 1.0	383.4 387.3 398.6	88.2 88.5 86.3	69.1 69.2 69.4	455.4 477.9 481.8	404.8 427.6 431.6	2024 Jan. Feb. Mar.
978.9	576.4	435.8	140.6	402.5	11.1	10.1	1.0	391.4	88.0	69.2	531.8	479.3	Apr.
Changes 7 - 6.2 + 1.2	- 64.2 - 17.0	- 22.2 - 13.8	- 42.0 - 3.1	+ 58.0 + 18.1	+ 2.3		- 0.3 - 0.3	+ 55.7 + 16.9	- 6.3 + 3.9	+ 11.8 + 3.0	+ 119.0 - 88.0	+ 109.5 - 94.5	2022 2023
- 2.6 - 4.2	+ 2.9 - 12.7	+ 7.6 - 5.1	- 4.8 - 7.6	- 5.4 + 8.4	+ 0.4 + 2.7	+ 0.3	+ 0.1 + 0.1	- 5.8 + 5.7	+ 2.2 + 4.2	+ 0.3 + 0.6	+ 12.1 + 12.8	+ 10.3 + 10.8	2023 Aug. Sep.
- 5.2 + 3.1 - 13.7	+ 1.7 - 8.9 - 5.9	+ 2.5 - 6.6 + 8.4	- 0.8 - 2.3 - 14.3	- 6.9 + 12.0 - 7.9	- 0.0 + 0.5 - 0.9	+ 0.8	+ 0.1 - 0.3 + 0.0	- 6.9 + 11.5 - 7.0	- 1.3 - 0.2 - 16.6	+ 0.0 - 0.2 + 0.2	+ 19.4 - 69.3 - 46.7	+ 16.6 - 67.1 - 45.0	Oct. Nov. Dec.
+ 22.3 + 17.2 + 12.7	+ 17.2 + 13.7 + 0.7	+ 10.4 + 10.5 - 1.0	+ 6.8 + 3.2 + 1.8	+ 5.2 + 3.5 + 11.9	+ 0.4 - 0.3 + 0.6	- 0.2	+ 0.0 - 0.1 - 0.1	+ 4.8 + 3.8 + 11.4	+ 23.5 + 0.3 - 2.3	+ 3.0 + 0.1 + 0.1	- 15.1 + 22.5 + 4.0	- 13.5 + 22.8 + 4.0	2024 Jan. Feb. Mar.
- 18.8	- 11.4	- 6.6	- 4.8	- 7.4	- 0.2	- 0.2	- 0.0	- 7.3	+ 1.3	- 0.2	+ 50.0	+ 47.7	Apr.
End of ye		_						107.4				ibsidiaries ⁸	2024
178.6 189.4 195.9	64.2 67.5 76.0	33.0 38.6 51.2	31.2 28.9 24.8	114.4 122.0 119.9	7.3 6.9 6.4	4.6 4.0	2.4 2.3 2.4	107.1 115.1 113.4	16.4 13.5 12.1	20.3 20.1 20.8	30.7 33.7 35.3	0.0 0.0 0.0	2021 2022 2023
186.6 183.5 183.9	71.2 71.0 71.2	42.2 44.0 43.6	29.1 27.0 27.6	115.4 112.5 112.8	6.8 6.9 6.9	4.5 4.4	2.5 2.5 2.5	108.5 105.6 105.9	12.3 12.2 12.1	20.3 20.2 20.6	34.8 35.0 34.3	0.0 0.0 0.0	2023 Mar. Apr. May
185.6 187.9 185.5	71.9 72.3 70.6	45.4 47.0 46.0	26.5 25.3 24.7	113.7 115.6 114.8	6.6 6.8 6.6	4.4	2.4 2.4 2.4	107.1 108.8 108.2	10.6 10.5 10.3	20.5 20.5 20.6	36.6 34.4 36.4	0.0 0.0 0.0	June July Aug.
188.2 189.3 192.1	74.1 73.1 73.7	49.1 48.3 48.4	25.1 24.8 25.3	114.1 116.2 118.4	6.5 6.5	4.1	2.4 2.4 2.4	107.4 109.7 111.8	11.3 11.6 11.6	20.5 20.8 20.8	36.0 35.8 35.4	0.0 0.0 0.0	Sep. Oct. Nov.
195.9	76.0 ∗	51.2	24.8	119.9	6.4	4.0	2.4	113.4	12.1	20.8	35.3	0.0	Dec.
+ 7.7 + 7.6	+ 1.4 + 8.9	+ 5.6 + 12.6	- 4.2 - 3.8	+ 6.3	- 0.4 - 0.4		- 0.1 + 0.1	+ 6.7	- 2.9 - 1.4	- 0.2 + 0.7	+ 2.2 + 1.8	$ \begin{array}{cccc} \pm & 0.0 \\ \pm & 0.0 \end{array} $	2022 2023
- 2.7 - 0.6 + 2.3	- 0.1 - 0.3 + 1.0	+ 1.8 - 0.4 + 1.8	- 1.9 + 0.2 - 0.9	- 2.6 - 0.4 + 1.3	+ 0.1 - 0.0 - 0.3	+ 0.2 - 0.0	- 0.0 + 0.0 - 0.0	- 2.7 - 0.4 + 1.6	- 0.1 - 0.0 - 1.6	- 0.1 + 0.4 - 0.1	+ 0.2 - 1.2 + 2.5	$\begin{array}{cccc} \pm & 0.0 \\ \pm & 0.0 \\ \pm & 0.0 \\ \pm & 0.0 \end{array}$	2023 Apr. May June
+ 2.7 - 2.9 + 1.9	+ 0.6 - 1.9 + 3.2	+ 1.6 - 1.0 + 3.1	- 1.1 - 0.8 + 0.1	+ 2.2 - 1.1 - 1.3	+ 0.2 - 0.2 + 0.1	+ 0.2 - 0.2	+ 0.0 - 0.0 - 0.0	+ 2.0 - 0.9 - 1.4	- 0.0 - 0.2 + 1.0	+ 0.0 + 0.1 - 0.1	- 2.1 + 1.8 - 0.7	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	July Aug. Sep.
+ 1.2 + 3.7 + 4.1	- 1.0 + 0.9 + 2.4	- 0.8 + 0.1 + 2.8	- 0.2 + 0.8 - 0.4	+ 2.2 + 2.8 + 1.7	- 0.2 - 0.0 - 0.1	- 0.2	- 0.0 - 0.0 - 0.0	+ 2.3 + 2.8 + 1.8	+ 0.2 + 0.1 + 0.4	+ 0.3 + 0.0 + 0.0	- 0.2 - 0.0 + 0.0	$\begin{array}{cccc} \pm & 0.0 \\ \pm & 0.0 \\ \pm & 0.0 \\ \pm & 0.0 \end{array}$	Oct. Nov.

and other money market paper, debt securities. **3** Including own debt securities. **4** Excluding subordinated liabilities and non-negotiable debt securities. **5** Issues of negotiable and non-negotiable debt securities and money market paper. **6** Including

subordinated liabilities. **7** See also Table IV.2, footnote 1. **8** The collection of data regarding foreign subsidiaries matured in 12/2023.

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V. Minimum reserves

1. Reserve maintenance in the euro area

€ billion Maintenance Required reserves Required reserves Excess reserves before deduction of lump-sum allowance 3 after deduction of lump-sum allowance 4 (without deposit facility) 6 period beginning in 1 Reserve base 2 Current accounts 5 Deficiencies 7 124.2 127.8 123.8 127.4 1,275.2 1,332.1 1,151.4 1,204.8 2017 12,415.8 2018 12,775.2 2019 13,485.4 134.9 134.5 1,623.7 1,489.3 2020 14 590 4 145 9 145 5 2 883 9 3 029 4 2021 15,576.6 155.8 155.4 3,812.3 3,656.9 195.6 170.5 2022 16.843.0 168.4 168.0 28.1 2023 16,261.6 162.6 162.3 8.2 2024 Apr. P May 16.161.1 166.7 161.6 161.3 5.4 . 16,226.7 162.3 161.9 June p

2. Reserve maintenance in Germany

€ billion Maintenance German share of Required reserves Required reserves Excess reserves period euro area reserve base before deduction of after deduction of (without deposit beginning in 1 Reserve base 2 Deficiencies 7 as a percentage lump-sum allowance 3 lump-sum allowance 4 Current accounts 5 facility) 6 2017 3,456,192 27.8 34,562 34,404 424,547 390,143 2 1 2018 2019 3,563,306 3,728,027 27.9 27.6 35,633 37,280 35,479 37,131 453,686 486,477 418,206 449,346 ò 4.020,792 2020 27.6 40,208 40.062 878 013 837.951 1 2021 27.4 42,464 1,006,355 0 4,260,398 42,604 1,048,819 2022 4.664.630 27.7 46.646 46.512 54,848 8.337 5 0 2023 4,483,853 27.6 44,839 44,709 47,008 2,299 2024 Apr. **P** May 4,456,651 27.6 44,567 44,437 46.317 1,880 0 4,465,934 June P 27.5 44,659 44,530

a) Required reserves of individual categories of banks

	€ billion						
Maintenance period beginning in 1	Big banks	Regional banks and other commercial banks	Branches of foreign banks	Landesbanken and savings banks	Credit cooperatives	Mortgage banks	Banks with special, development and other central support tasks
2017	6,366	5,678	3,110	11,163	6,256	132	1,699
2018	7,384	4,910	3,094	11,715	6,624	95	1,658
2019	7,684	5,494	2,765	12,273	7,028	109	1,778
2020	8,151	6,371	3,019	12,912	7,547	111	2,028
2021	9,113	6,713	2,943	13,682	8,028	109	1,876
2022	9,814	7,396	3,216	14,465	8,295	117	2,471
2023	9,282	7,417	3,170	14,061	8,178	148	2,118
2024 Apr.	9,221	7,393	3,122	14,038	8,219	136	2,106
May		-					
June	9,301	7,441	3,018	14,154	8,266	140	2,031

b) Reserve base by subcategories of liabilities

Liabilities arising from bearer debt Liabilities (excluding repos and deposits with building and loan securities issued with agreed maturities of up to 2 years and bearer Liabilities (excluding savings associations) with agreed maturities of up to 2 years to MFIs that are Liabilities (excluding repos and deposits with building and loan money market paper after deduction of a standard amount for bearer debt deposits, deposits with building and loan associations certificates or deduction of such paper held by the reporting institution Maintenance and repos) to non-MFIs with resident in euro area countries but associations) with agreed maturities of up to 2 years to Savings deposits with agreed periods of notice of up agreed maturities of up to 2 not subject to minimum reserve period years beginning in 1 requirements banks in non-euro area countries to 2 years 2017 415,084 581,416 120.894 2.338.161 628 2018 2,458,423 1,162 414,463 576,627 112,621 2,627,478 1,272 410,338 2019 577,760 111.183 2020 2,923,462 1,607 436,696 560,770 105,880 2021 3,079,722 9.030 508,139 566,227 561,608 101,907 3,352,177 12,609 543,694 116,094 2023 3,447,513 968 420.839 455,493 125,531 2024 Apr. 3,471,855 848 399,588 433,915 130,309 May June 3,503,135 1,963 393,765 425,000 124,033

1 The reserve maintenance period starts on the settlement day of the main refinancing operation immediately following the meeting of the Governing Council of the ECB for which the discussion on the monetary policy stance is scheduled. **2** Article 5 of the Regulation (EU) 2021/378 of the European Central Bank on the application of minimum reserve requirements (excluding liabilities to which a reserve ratio of 0% applies, pursuant to Article for liabilities with average marked provides of the the reserve ratio of the reserve ratio of the reserve ratio for liabilities with average marked maturities of un to the reserve and the reserve ratio of the reser base. The reserve ratio for liabilities with agreed maturities of up to two years was 2%

between 1 January 1999 and 17 January 2012. Since 18 January 2012, it has stood at 1%. 4 Article 6(2) of the Regulation (EU) 2021/378 of the European Central Bank on the application of minimum reserve requirements. 5 Average credit balances of credit institutions at national central banks. 6 Average credit balances less required reserves after deduction of the lump-sum allowance. 7 Required reserves after deduction of the lump-sum allowance.

0.0 0.0

0.0

0.0

0.1

0.0

0.0

0.0

€ billion

2022

1. ECB interest rates / basic rates of interest

% per annum

ECB interest rates										Basic rates of inte	rest		
		Main refin operation					Main refi operatior				Basic rate of		Basic rate of
			Minimum	Mar- ginal				Minimum	Mar- ginal		interest as per		interest as per
Applicable	Deposit	Fixed	bid	lending	Applicable	Deposit	Fixed	bid	lending	Applicable	Civil	Applicable	Civil
from	facility	rate	rate	facility	from	facility	rate	rate	facility	from	Code 1	from	Code 1
2012 July 11	0.00	0.75	-	1.50	2022 July 27	0.00	0.50	-	0.75	2008 Jan. 1		2014 Jan. 1	- 0.63
					Sep. 14	0.75	1.25	-	1.50	July 1	3.19	July 1	- 0.73
2013 May 8	0.00	0.50	-	1.00	Nov. 2	1.50	2.00	-	2.25				
Nov. 13	0.00	0.25		0.75	Dec. 21	2.00	2.50	-	2.75	2009 Jan. 1		2015 Jan. 1	- 0.83
2011	0.40	0.45		0.40	2022 5 1 0		2.00		2.25	July 1	0.12	2016 1 1 1	0.00
2014 June 11	- 0.10	0.15			2023 Feb. 8	2.50	3.00	-	3.25	2011 1.1. 1	0.27	2016 July 1	- 0.88
Sep. 10	- 0.20	0.05		0.30	Mar. 22	3.00	3.50			2011 July 1	0.37	2022 1 1	1.62
2015 Dec. 9	- 0.30	0.05		0.30	May 10 June 21	3.25 3.50	3.75 4.00		4.00 4.25	2012 Jan. 1	0.12	2023 Jan. 1 July 1	1.62 3.12
2015 Dec. 9	- 0.30	0.05		0.50	Aug. 2	3.75	4.00		4.23	2012 Jan. 1	0.12	July I	5.12
2016 Mar. 16	- 0.40	0.00	l _	0.25	Sep. 20	4.00	4.23	_		2013 Jan. 1	-0.13	2024 Jan. 1	3.62
2010 10101.10	0.40	0.00		0.25	5cp. 20	4.00	4.50		4.75	July 1	- 0.38	July 1	3.37
2019 Sep. 18	- 0.50	0.00	- 1	0.25	2024 June 12	3.75	4.25	_	4.50		0.50	July I	5.57

2. Eurosystem monetary policy operations allotted through tenders *

				Fixed rate tenders	Variable rate tenders			
		Bid amount	Allotment amount	Fixed rate	Minimum bid rate	Marginal rate 1	Weighted average rate	
Date of Settlement		€ million		% per annum				Running for days
Main refin	ianci	ng operations						
2024 Jun. Jun. Jul. Jul. Jul.	19 26 3 10 17	4 2 11 0 6 7 5 3 4 6	78 11 07 04 6 70 34 5 33 37 4 68	8 4.2 4 4.2 4 4.2	5 – 5 – 5 –			7777
		nancing operat	ions					
2024 Mar. May May Jun.	27 2 29 26	3	55 35 70 1 17	5 2 . 0 2 .	. –		=	90 91

 * Source: ECB. 1 Lowest or highest interest rate at which funds were allotted or collected. 2 Interest payment on the maturity date; the rate will be fixed at: a) the average minimum bid rate of the main refinancing operations over the life of this

operation including a spread or b) the average deposit facility rate over the life of this operation.

3. Money market rates, by month

% per annum

Monthly average 2023 Nov. Dec. 2024 Jan. Feb. Mar. Apr. May

June

		EURIBOR ® 2				
€STR 1		One-week funds	One-month funds	Three-month funds	Six-month funds	Twelve-month funds
	3.902	3.874	3.841	3.972	4.065	4
	3.902	3.858	3.858	3.935	3.927	3
	3.904	3.874	3.869	3.925	3.892	3
	3.907	3.878	3.868	3.923	3.901	3
	3.907	3.873	3.853	3.923	3.895	3
	3.908	3.868	3.853	3.885	3.838	3
	3.907	3.881	3.816	3.813	3.787	3
	3.749	3.681	3.635	3.725	3.715	3

* Publication does not establish an entitlement to provision of the rates. The Deutsche Bundesbank reserves the right to cease publishing the information on its website in future. All data are supplied without liability. No explicit or implicit assurances or guarantees are made as to the up-to-dateness, accuracy, timeliness, completeness, marketability or suitability of the data as interest rates or reference interest rates. Neither the European Money Markets Institute (EMMI), nor Euribor EBF, nor Euribor ACI, nor the Euribor Panel Banks, nor the European Central Bank, nor Reuters, nor the Deutsche Bundesbank can be held liable for any irregularity or inaccuracy, incompleteness or late provision of the money market rates. With regard to the €STR please consider the European Central Bank's disclaimer, which also applies for the Deutsche Bundesbank's publication:

https://www.ecb.europa.eu/stats/financial_markets_and_interest_rates/euro_short-term_rate/html/index.en.html

1 Euro Short-Term Rate: On the basis of individual euro-denominated transactions conducted and settled on the previous business day, the European Central Bank

publishes the €STR since 2 October 2019. Transactions are reported by euro area banks subject to reporting obligations in compliance with Money Market Statistical Reporting Regulation. Monthly averages are calculations by Deutsche Bundesbank. **2** Monthly averages are own calculations by Deutsche Bundesbank based on Euribor® daily rates calculated by the European Money Markets Institute (EMMI). These are unweighted averages. Information on the methodology of Euribor® daily rates are available below. Please be aware that commercial use of these data is only possible with a licence agreement with the European Money Markets Institute (EMMI). Information on its terms of use are available under the link below. Values calculated from November 2023 onwards with three decimal places. Previous values calculated with two decimal places. For technical reasons, these values are also displayed with three decimal places and the third decimal place is filled with a 0. Up to and including October 2023 all values calculated and published with two decimal places.

https://www.emmi-benchmarks.eu/benchmarks/euribor/

4. Interest rates and volumes for outstanding amounts and new business of German banks (MFIs) *

a) Outstanding amounts °

Households' deposits						Non-financial corpora	tions' deposits				
with an agreed matu	rity of										
up to 2 years			over 2 years			up to 2 years		over 2 years	2 years		
Effective interest rate 1 % p.a.	Volume ² € million		Effective interest rate 1 % p.a.	Volume ² € million		Effective interest rate 1 % p.a.	Volume ² € million	Effective interest rate 1 % p.a.	Volume ² € million		
2.07 2.23		180,323 200,501	0.90 0.91		225,884 226,645	2.65 2.86	153,693 162,035	1.17 1.20		22,199 22,133	
2.37 2.52 2.61	2	222,529 246,001 262,537	0.92 0.94 0.95	1	227,182 228,521 229,285	3.01 3.15 3.27	168,874 180,132 181,385	1.24 1.27 1.28		21,619 21,610 21,507	
2.76 2.88 2.96	3	288,227 315,984 338,959	0.97 1.01 1.04	1	230,966 233,972 237,917	3.39 3.43 3.47	197,527 193,442 190,801	1.32 1.39 1.43		21,449 21,232 21,697	
3.01 3.04 3.06	3	364,579 385,969 400,182	1.06 1.08 1.09	1	240,513 241,610 242,659	3.51 3.54 3.56	204,092 205,657 212,882	1.46 1.48 1.56		21,689 20,732 20,688	
3.08 3.09	4	414,278 424,117	1.11		243,548 244,423	3.54 3.50	213,659 211,311	1.62 1.75		20,719 20,827	

 Housing loans with a maturit		3				Loans to hous	eholds for cons	umption and o	ther purposes 4	,5		
up to 1 year 6		over 1 year ar up to 5 years	ıd	over 5 years		up to 1 year 6		over 1 year an up to 5 years	d	over 5 years		
Effective interest rate 1 % p.a.	erest rate ¹ Volume ² p.a. € million % p.a. € million				Volume 2 € million	Effective interest rate 1 % p.a.	Volume 2 € million	Effective interest rate 1 % p.a.	Volume 2 € million	Effective interest rate 1 % p.a.	Volume ² € million	
4.93	3,423	3.03	25,960	1.81	1,544,206	9.12	47,513	4.14	75,472	3.77	330,677	
5.10	3,298	3.13	25,865	1.82	1,546,102	9.25	48,284	4.24	76,260	3.83	329,576	
5.34	3,413	3.26	25,712	1.83	1,548,159	9.45	47,192	4.35	76,468	3.90	330,500	
5.41	3,391	3.33	25,573	1.85	1,550,499	9.55	47,277	4.45	76,654	3.95	330,602	
5.49	3,233	3.38	25,315	1.86	1,553,618	9.72	47,706	4.54	76,662	3.99	329,641	
5.57	3,312	3.50	25,212	1.87	1,554,344	9.95	47,325	4.65	76,583	4.06	329,490	
5.70	3,294	3.58	24,792	1.89	1,556,410	9.99	46,653	4.74	76,885	4.09	328,941	
5.62	3,198	3.64	24,499	1.90	1,556,523	10.01	47,390	4.81	77,044	4.13	326,980	
5.66	3,354	3.69	24,060	1.91	1,554,763	10.16	46,574	4.89	76,552	4.18	327,358	
5.70	3,250	3.72	23,819	1.92	1,555,595	10.18	46,259	4.97	76,486	4.22	327,721	
5.68	3,184	3.75	23,540	1.93	1,558,297	10.05	47,109	4.90	76,985	4.26	326,829	
5.65	3,289	3.78	23,271	1.94	1,559,197	10.13	45,949	4.97	76,906	4.30	327,227	
5.55	3,400	3.81	23,042	1.95	1,561,200	10.13	46,180	5.13	77,091	4.34	327,319	

	Loans to non-financial corpor	ations with a maturity of				
	up to 1 year 6		over 1 year and up to 5 years		over 5 years	
End of	Effective interest rate 1	Volume ²	Effective interest rate 1	Volume ²	Effective interest rate 1	Volume ²
month	% p.a.	€ million	% p.a.	€ million	% p.a.	€ million
2023 May	5.19	194,261	3.76	252,289	2.22	885,481
June	5.42	193,968	3.95	250,107	2.29	883,229
July	5.62	194,789	4.09	251,312	2.35	887,112
Aug.	5.72	188,564	4.17	251,445	2.37	889,482
Sep.	5.89	187,448	4.29	248,998	2.41	887,643
Oct.	6.05	186,407	4.42	251,931	2.45	889,648
Nov.	5.97	187,977	4.45	253,976	2.48	892,391
Dec.	6.05	180,730	4.50	255,561	2.51	891,507
2024 Jan.	6.06	183,005	4.53	255,411	2.52	893,128
Feb.	6.00	184,401	4.64	253,221	2.55	896,388
Mar.	6.03	189,482	4.62	249,544	2.56	895,185
Apr.	5.97	188,827	4.72	248,341	2.58	897,166
May	5.92	188,820	4.74	249,248	2.59	899,488

* The interest rate statistics gathered on a harmonised basis in the euro area from January 2003 are collected in Germany on a sample basis. The MFI interest rate statistics are based on the interest rates applied by MFIs and the related volumes of euro-denominated deposits and loans to households and non-financial corporations domiciled in the euro area. The household sector comprises individuals (including sole proprietors) and non-profit institutions serving households. Non-financial corporations include all enterprises other than insurance corporations, banks and other financial institutions. The most recent figures are in all cases to be regarded as provisional. Subsequent revisions appearing in the following Monthly Report are not specially marked. Further information on the MFI interest rate statistics can be found on the Bundesbank's website (Statistics/Money and capital markets/Interest rates and yields/Interest rates on deposits and loans). o The statistics on outstanding amounts are collected at the end of the month. 1 The effective interest rates are calculated either as

annualised agreed interest rates or as narrowly defined effective rates. Both calculation annualised agreed interest rates or as narrowly defined effective rates. Both calculation methods cover all interest payments on deposits and loans but not any other related charges which may occur for enquiries, administration, preparation of the documents, guarantees and credit insurance. **2** Data based on monthly balance sheet statistics. **3** Secured and unsecured loans for home purchase, including building and home improvements; including loans granted by building and loan associations and interim credits as well as transmitted loans granted by the reporting agents in their own account. **4** Loans for consumption are defined as loans granted for the purpose of personal use in the consumption of goods and services. **5** For the purpose, debt consolidation, education, etc. **6** Including overdrafts (see also footnotes 12 to 14 on p. 47). 12 to 14 on p. 47).

2023 May June July Aug Sep. Oct. Nov Dec. 2024 Jan. Feb. Mar. Apr. May

End of month

End of month 2023 Ma Jun July Au Sep Oct No Dec 2024 Jan Feb Ma

Арі Ма

4. Interest rates and volumes for outstanding amounts and new business of German banks (MFIs) * (cont'd) b) New business +

		with an agree	d maturity of					redeemable a	t notice ⁸ of		
Overnight		up to 1 year		over 1 year ar	nd up to 2 years	over 2 years		up to 3 month	าร	over 3 months	
Effective interest rate 1 % p.a.	Volume 2 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume ² € million	Effective interest rate 1 % p.a.	Volume ² € million
0.30	1,792,902	2.58	35,359	2.67	4,281	2.39	2,371	0.39	460,587	1.13	30,4
0.34	1,782,329	2.78	34,870	2.91	4,260	2.53	1,999	0.43	450,713	1.28	33,1
0.41	1,773,505	2.94	38,938	2.98	3,412	2.59	2,044	0.50	440,519	1.48	36,
0.51	1,757,994	3.12	46,037	3.15	4,422	2.81	2,374	0.55	429,372	1.62	38,8
0.55	1,748,975	3.22	40,232	3.30	3,611	2.92	1,787	0.59	420,872	1.76	41,8
0.56	1,728,935	3.40	51,187	3.46	5,558	2.99	2,743	0.64	411,490	1.94	44,
0.59	1,726,394	3.46	57,743	3.40	6,243	3.18	4,292	0.67	400,980	2.09	48,
0.60	1,731,513	3.37	49,974	3.25	4,896	3.17	4,389	0.69	396,006	2.17	50,
0.62	1,702,116	3.27	56,368	3.13	5,846	2.80	3,300	0.71	386,987	2.25	53,
0.58	1,698,248	3.28	55,090	3.04	5,651	2.65	2,339	0.72	379,659	2.30	55,
0.60	1,698,313	3.27	47,316	2.94	3,332	2.53	2,296	0.74	373,900	2.35	57,
0.60	1,698,724	3.21	52,193	2.95	3,789	2.76	2,954	0.75	368,393	2.38	58,
0.60	1,701,051	3.22	50,351	2.91	3,284	2.43	1,947	0.76	364,344	2.41	58,

	Non-financial corpora	tions' deposits								
			with an agr	eed matu	rity of					
	Overnight		up to 1 year	r			over 1 year and up to	2 years	over 2 years	
orting	Effective interest rate 1 % p.a.	Volume ² € million	Effective interest rate % p.a.	1	Volume 7 € million		Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million
3 May June	0.55 0.63	558, 548,		3.01 3.20		81,462 88,967	2.86 3.48	625 703	2.64 2.90	225 206
July Aug. Sep.	0.72 0.81 0.92	551, 548, 548,	42	3.34 3.50 3.64		79,832 89,027 95,610	3.53 3.46 3.63	614 570 807	3.26 2.93 2.96	252 210 287
Oct. Nov. Dec.	0.97 1.02 1.02	551,4 556,2 553,4	70	3.74 3.73 3.71		95,412 99,933 92,454	3.78 3.71 3.47	752 820 855	2.97 3.30 2.98	266 418 343
4 Jan. Feb. Mar.	1.05 1.03 1.00	535,: 524,: 525,:	48	3.71 3.70 3.74		91,219 94,014 109,409	3.20 3.16 3.29	419 527 609	2.81 2.90 3.60	401 239 538
Apr. May	1.01 1.06	527,4 535,		3.74 3.71		109,540 99,982	3.46 3.58	815 1,720	3.68 3.63	573 1,543

	Loans to household	S										
	Loans for consumpt	ion 4 with an in	itial rate fixation	of								
	Total (including charges)	Total		of which: Renegotiated l	oans 9	floating rate o up to 1 year 9	r	over 1 year an up to 5 years	d	over 5 years		
Reporting period	Annual percentage Effective interest rate 1 Volume 7 Effective interest rate 1 Volume 7 M p.a. Effective interest											
2023 May June	8.13 8.05	8.07 7.99	8,269 9,277	9.00 9.15	1,505 1,568	9.98 10.32	296 316	6.79 6.62	2,819 3,493	8.66 8.72	5,154 5,468	
July Aug. Sep.	8.40 8.46 8.57	8.35 8.43 8.47	8,628 8,818 8,036	9.32 9.46 9.53	1,609 1,689 1,530	10.92 10.65 10.21	295 288 274	7.04 7.13 7.18	2,974 3,011 2,798	8.94 9.02 9.11	5,359 5,518 4,964	
Oct. Nov. Dec.	8.66 8.72 8.69	8.55 8.55 8.25	8,347 8,130 6,106	9.62 9.70 9.28	1,655 1,626 905	9.43 8.45 7.99	288 329 298	7.21 7.29 7.22	2,893 2,863 2,491	9.24 9.29 9.04	5,166 4,938 3,317	
2024 Jan. Feb. Mar.	8.73 8.56 8.27	8.49 8.34 8.03	8,062 8,245 8,190	9.55 9.24 9.21	1,563 1,308 1,250	7.86 7.86 8.15	261 262 260	7.30 7.24 6.87	2,718 2,909 3,173	9.16 8.99 8.79	5,082 5,073 4,757	
Apr. May											5,180 4,835	

For footnotes * and 1 to 6, see p. 44•. For footnote x see p. 47•. + For deposits with an agreed maturity and all loans excluding revolving loans and overdrafts, credit card debt: new business covers all new agreements between households or non-financial corporations and the bank. The interest rates are calculated as volume-weighted average rates of all new agreements concluded during the reporting month. For overnight deposits, deposits redeemable at notice, revolving loans and overdrafts, credit card debt: new business is collected in the same way as outstanding amounts for the sake of simplicity. This means that all outstanding deposit and lending business at

the end of the month has to be incorporated in the calculation of average rates of interest. **7** Estimated. The volume of new business is extrapolated to form the underlying total using a grossing-up procedure. **8** Including float corporations' deposits; including fidelity and growth premiums. **9** Excluding overdrafts. **10** Annual percentage rate of charge, which contains other related charges which may occur for enquiries, administration, preparation of the documents, guarantees and credit insurance insurance.

Reporting period 2023 May June July Aug Sep. Oct. Nov. Dec. 2024 Jan Feb. Mar. Apr. May

Reporti period 2023 N Ju A Se С ſ D 2024 Ja N

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VI. Interest rates

4. Interest rates and volumes for outstanding amounts and new business of German banks (MFIs) * (cont'd)

b) New business +

	Loans to househo	lds (cont'd)								
		olds for other purpo	oses 5 with an initi	ial rate fixation of						
	Total		of which: Renegotiated loa		floating rate or up to 1 year 9		over 1 year and up to 5 years		over 5 years	
Reporting period	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million
	Loans to ho	useholds		<u>.</u>		°				
2023 May June	4.83 4.93	3,400 4,341	4.62 4.68	997 1,388	5.08 5.26	1,511 1,974	5.10 5.19	710 892	4.37 4.33	1,179 1,475
July Aug. Sep.	4.96 5.16 5.24	4,086 3,430 3,526	4.54 5.02 5.08	1,161 882 814	5.39 5.72 5.76	1,766 1,290 1,489	5.12 5.24 5.29	933 910 848	4.31 4.50 4.54	1,387 1,230 1,189
Oct. Nov. Dec.	5.45 5.43 5.20	3,348 3,152 4,287	5.37 5.13 5.21	1,068 765 988	5.95 5.90 5.77	1,483 1,345 1,719	5.57 5.53 5.12	724 764 1,234	4.73 4.76 4.54	1,141 1,043 1,334
2024 Jan. Feb. Mar.	5.23 5.13 4.91	3,673 2,997 3,987	5.02 5.13 5.08	1,102 703 953	5.78 5.73 5.68	1,717 1,237 1,522	5.26 5.24 5.16	823 675 814	4.38 4.36 4.07	1,133 1,085 1,651
Apr. May	5.05 4.99	3,544 3,197	4.99 5.00	1,093 881	5.67 5.48	1,314 1,288	5.26 5.19	891 749	4.30 4.32	1,339 1,160
	of which:	Loans to sole	e proprietors	5						
2023 May June July Aug.	4.98 5.04 5.09 5.30 5.32	2,473 3,178 2,963 2,381			5.28 5.36 5.48 5.91 5.80	1,072 1,535 1,337 934 1,094	5.24 5.36 5.48 5.55 5.57	547 633 592 551	4.44 4.35 4.37 4.53 4.55	854 1,010 1,034 896
Sep. Oct. Nov. Dec.	5.52 5.52 5.42	2,459 2,472 2,249 2,861	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	6.03 6.06 5.93	1,094 900 1,256	5.67 5.60 5.58	523 547 587 660	4.74 4.82 4.63	842 831 762 945
2024 Jan. Feb. Mar.	5.33 5.22 4.96	2,814 2,274 3,188			5.88 5.82 5.75	1,335 908 1,215	5.34 5.40 5.25	656 573 700	4.42 4.40 4.05	823 793 1,273
Apr. May	5.08 5.09	2,756 2,320	:	:	5.70 5.57	962 859	5.39 5.34	760 643	4.27 4.38	1,034 818

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	Loans to households (cont'd)												
	Housing loans ³ wit	h an initial rate	fixation of										
	Total (including charges)	Total		of which: Renegotiated	oans 9	floating rate o up to 1 year 9	r	over 1 year an up to 5 years	d	over 5 year an up to 10 years		over 10 years	
Erhebungs- zeitraum	Annual percentage rate of charge 10 % p.a.	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million
	Total loans												
2023 May June July	3.99 4.12 4.08	3.94 4.06 4.02	13,657 13,983 14,335	3.92 4.28 4.03	2,945 2,565 2,845	4.82 5.05 5.20	2,148 2,301 1,949	4.27 4.38 4.37	1,359 1,450 1,469	3.66 3.73 3.71	5,038 4,986 5,352	3.76 3.84 3.82	5,112 5,246 5,564
Aug. Sep.	4.19 4.17	4.14 4.12	14,386 12,286	4.43 4.32	2,611 2,017	5.29 5.40	2,198 1,523	4.53 4.48	1,388 1,171	3.81 3.89	5,275 4,534	3.89 3.85	5,525 5,058
Oct. Nov. Dec.	4.22 4.27 4.12	4.18 4.22 4.05	13,831 13,473 12,151	4.39 4.56 4.32	2,853 2,236 2,055	5.53 5.62 5.56	1,989 1,723 1,576	4.53 4.61 4.44	1,403 1,588 1,553	3.85 3.92 3.80	5,304 4,936 4,349	3.90 3.92 3.65	5,136 5,225 4,672
2024 Jan. Feb. Mar.	3.90 3.92 3.88	3.85 3.88 3.83	14,667 14,245 15,439	4.10 4.30 4.01	2,844 2,429 2,258	5.44 5.41 5.28	1,862 1,783 1,739	4.08 4.04 4.09	1,584 1,612 1,755	3.56 3.59 3.55	5,397 5,153 5,414	3.55 3.61 3.61	5,825 5,697 6,530
Apr. May	3.91 3.96	3.86 3.91	16,793 15,403	4.21 4.19	2,754 2,277	5.45 5.44	1,869 1,828	4.06 4.14	1,868 1,480	3.57 3.60	6,234 6,051	3.64 3.69	6,822 6,044
	of which: C	Collateralise	ed loans	11									
2023 May June July Aug. Sep. Oct. Nov. Dec. 2024 Jan. Feb. Mar. Apr. May		3.82 3.85 3.88 3.96 3.93 4.01 4.02 3.86 3.69 3.70 3.66 3.74 3.74	5,821 6,185 6,592 6,467 5,704 6,207 6,174 5,588 7,051 6,827 7,324 7,898 6,873			4.68 4.81 5.08 5.10 5.36 5.39 5.39 5.33 5.30 5.33 5.00 5.48 5.35	789 836 729 767 540 769 669 612 706 717 737 783 740	4.14 4.13 4.20 4.29 4.32 4.38 4.45 4.29 3.96 3.82 3.91 3.88 3.97	629 648 661 551 587 728 609 746 764 764 762 853 677	3.59 3.61 3.73 3.78 3.73 3.80 3.73 3.80 3.73 3.44 3.43 3.43 3.43 3.48 3.48	2,225 2,314 2,384 2,399 2,092 2,335 2,170 1,935 2,461 2,314 2,314 2,491 2,770 2,483	3.66 3.67 3.72 3.75 3.65 3.70 3.47 3.47 3.45 3.50 3.49 3.53 3.57	2,178 2,387 2,818 2,664 2,521 2,516 2,607 2,432 3,138 3,032 3,334 3,492 2,973

For footnotes * and 1 to 6, see p. 44•. For footnotes + and 7 to 10, see p. 45•; footnote 11, see p. 47•.

4. Interest rates and volumes for outstanding amounts and new business of German banks (MFIs) * (cont'd) b) New business +

	Loans to househo	lds (cont'd)				Loans to non-fin	ancial corporations	5		
		_	of which:						of which:	
	Revolving loans 12 and overdrafts 13 Credit card debt 1		Revolving loans and overdrafts 1		Extended credit card debt		Revolving loans and overdrafts 1 Credit card debt	3	Revolving loans 12 and overdrafts 13	
Reporting period	Effective interest rate 1 % p.a.	Volume ² € million	Effective interest rate 1 % p.a.	Volume ² € million	Effective interest rate 1 % p.a.	Volume ² € million	Effective interest rate 1 % p.a.	Volume ² € million	Effective interest rate 1 % p.a.	Volume ² € million
2023 May	9.98	38,906	10.10	27,431	17.19	6,478	5.61	99,175	5.63	98,709
June	10.11	39,692	10.30	28,067	17.23	6,528	5.83	99,351	5.86	98,897
July	10.32	38,818	10.48	27,182	17.58	6,580	6.00	98,185	6.03	97,770
Aug.	10.39	39,026	10.60	27,146	17.79	6,611	6.11	94,939	6.14	94,514
Sep.	10.59	39,548	10.75	27,976	17.86	6,629	6.25	95,468	6.28	95,004
Oct.	10.82	39,186	11.02	27,570	18.09	6,656	6.42	94,418	6.45	93,913
Nov.	10.80	38,416	10.95	26,932	18.18	6,614	6.41	95,688	6.44	95,191
Dec.	10.76	39,266	11.03	27,422	18.17	6,609	6.49	92,617	6.52	92,164
2024 Jan.	11.03	38,673	11.19	27,497	18.22	6,534	6.48	93,839	6.51	93,367
Feb.	11.06	38,233	11.22	27,163	18.29	6,460	6.47	95,704	6.50	95,225
Mar.	10.88	39,566	11.17	27,767	18.66	6,459	6.48	97,035	6.51	96,538
Apr.	11.00	38,415	11.19	27,036	18.65	6,438	6.37	96,481	6.40	95,979
May	10.94	38,754	11.22	27,112	18.66	6,427	6.38	96,270	6.41	95,791

	Loans to n	on-financia	l corporatio	ns (cont'd)												
			of which:		Loans up t	o €1 millior	n 15 with ar	initial rate	fixation of		Loans over	€1 million	15 with an	initial rate f	ixation of	
	Total		Renegotia loans 9	ted	floating ra up to 1 ye		over 1 yea up to 5 ye		over 5 yea	rs	floating ra up to 1 ye		over 1 yea up to 5 ye		over 5 yea	irs
Reporting period	Effective interest rate 1 % p.a.	Volume 7 € million	Effective interest rate 1 % p.a.	Volume 7 € million												
	Total lo	ans														
2023 May June	4.65 4.88	79,772 100,910	4.62 4.89	21,546 33,256	5.37 5.58	11,322 12,583	6.13 6.39	1,607 1,760	4.22 4.31	1,060 1,219	4.59 4.85	55,568 72,375	4.00 4.70	3,590 4,371	4.00 3.95	6,625 8,602
July Aug. Sep.	5.06 5.11 5.16	85,629 73,312 83,317	4.88 5.15 5.30	28,176 21,335 25,702	6.39 6.01 6.04	10,764 10,015 10,804	6.54 6.63 6.76	1,838 1,698 1,689	4.35 4.46 4.35	1,167 999 959	4.91 5.06 5.09	61,061 51,942 60,497	5.32 4.47 5.03	3,989 3,017 3,077	3.94 3.95 4.10	6,810 5,641 6,291
Oct. Nov. Dec.	5.39 5.17 5.19	76,734 79,316 108,487	5.27 5.28 5.34	24,750 22,467 31,589	6.35 6.27 6.07	10,963 10,430 11,245	6.93 6.87 6.60	1,781 1,838 2,020	4.61 4.50 4.33	912 936 1,115	5.30 5.07 5.28	54,862 56,524 76,500	5.02 4.66 4.63	3,674 3,644 7,141	4.11 4.10 3.79	4,542 5,944 10,466
2024 Jan. Feb. Mar.	5.16 5.06 5.19	75,818 72,892 94,238	5.37 5.36 5.42	22,554 18,973 27,803	5.81 5.77 5.64	10,279 10,256 12,574	6.48 6.77 6.70	1,856 1,809 1,930	4.21 4.19 4.24	932 879 1,017	5.18 5.19 5.27	54,103 49,631 67,328	4.51 3.29 4.29	3,830 6,114 5,644	3.64 3.85 3.79	4,818 4,203 5,745
Apr. May	5.20 5.09	79,786 81,443	5.35 5.27	23,180 20,658	5.67 5.66	9,851 9,281	6.60 6.62	3,249 3,568	4.20 4.24	1,118 961	5.24 5.13	56,030 57,453	4.40 4.12	4,605 4,985	3.84 3.69	4,933 5,195
	of w	hich: Co	ollaterali	sed loan	IS ¹¹											
2023 May June	:			· ·	5.06 5.14	456 573	4.80 4.75	108 99	3.80 3.87	268 340		-	4.37 5.16	876 1,293	3.77 3.75	1,623 1,183
July Aug. Sep.	4.86 5.08	11,078 9,797			5.44 5.58 5.63	489 425 450	4.91 5.01 5.28	126 122 109	3.98 3.85 3.88	325 279 253	4.87 5.45	6,823 6,747	5.86 4.32 5.19	1,544 890 1,187	3.94 3.79 3.76	1,771 1,334 1,487
Oct. Nov. Dec.	5.05 4.69 4.83	12,103 10,586 15,673			5.66 5.73 5.55	508 353 459	5.14 4.83 5.01	140 107 139	3.95 3.88 3.82	213 250 291	5.21 4.90 5.22	8,840 7,211 10,040	5.38 4.51 4.81	1,005 1,045 1,915	3.73 3.74 3.45	1,397 1,620 2,829
2024 Jan. Feb. Mar.	4.78 4.87 5.03	8,277 7,393 11,566			5.69 5.68 5.74	446 351 412	4.64 4.70 4.91	150 113 99	3.68 3.60 3.75	250 231 277	5.04 5.16 5.24	5,880 5,054 8,292	4.09 4.55 5.35	707 846 1,271	3.41 3.45 3.39	844 798 1,215
Apr. May	4.81 4.79	8,922 8,861	· ·		5.61 5.64	457 356	4.90 4.62	159 151	3.69 3.76	272 247	4.93 5.13	5,989 5,522	5.13 4.71	1,001 1,249	3.77 3.46	1,044 1,336

For footnotes * and 1 to 6, see p. 44•. For footnotes + and 7 to 10, see p. 45•; **11** For the purposes of the interest rate statistics, a loan is considered to be secured if collateral (amongst others financial collateral, real estate collateral, debt securities) in at least the same value as the loan amount has been posted, pledged or assigned. **12** Including revolving loans which have all the following features: (a) the borrower may use or withdraw the funds to a pre-approved credit limit without giving prior notice to the lender; (b) the amount of available credit can increase and decrease as funds are borrowed and repair (c) the loan may be used reparted by (d) there is no funds are borrowed and repaid; (c) the loan may be used repeatedly; (d) there is no obligation of regular repayment of funds. ${\bf 13}$ Overdrafts are defined as debit balances

on current accounts. They include all bank overdrafts regardless of whether they are within or beyond the limits agreed between customers and the bank. **14** Including convenience and extended credit card debt. Convenience credit is defined as the credit variable an interest rate of 0% in the period between payment transactions effected with the card during one billing cycle and the date at which the debt balances from this specific billing cycle become due. **15** The amount category refers to the single loan transaction considered as new business. **x** Dominated by the business of one or two banks. Therefore, the value cannot be published due to confidentiality. Deutsche Bundesbank Monthly Report July 2024 48•

VII. Insurance corporations and pension funds

1. Assets

	€ billion									
End of		Currency and	Debt		Shares and	Investment fund	Financial	Technical	Non-financial	Remaining
year/quarter	Total	deposits 1	securities	Loans 2	other equity	shares/units	derivatives	reserves 3	assets	assets
	Insurance co	orporations								
2021 Q3 Q4	2,653.1 2,667.2	271.7 261.3	474.2 468.6	358.2 355.1	463.4 472.4	899.8 921.6	3.3 3.2	87.8 85.0	38.3 40.8	56.3 59.3
2022 Q1	2,547.3	201.3	408.0	333.2	472.4	870.5	2.7	87.5	40.8	59.8
Q2 Q3	2,369.7 2,296.2	215.6 202.0	390.3 369.9	305.5 289.1	462.5 461.2	803.5 776.7	3.0 4.0	85.5 84.2	41.3 41.4	62.5 67.6
Q4	2,274.7	189.5	373.7	279.7	465.8	772.2	3.4	79.5	38.7	72.2
2023 Q1 Q2	2,326.9 2,330.1	201.7 194.7	380.8 383.3	280.2 280.0	472.3 474.3	790.3 799.0	3.6 3.6	85.2 84.1	38.5 38.1	74.4 73.0
Q3 Q4	2,305.3 2,408.4	186.0 190.2	376.1 405.6	273.3 291.0	480.9 499.7	783.5 822.6	3.7 3.3	88.9 79.0	38.2 34.2	74.7 83.0
2024 Q1	2,477.5	193.6	412.6	289.5	502.9	847.6	3.7	97.0	35.1	95.5
	Life insur	ance							•	·
2021 Q3 Q4	1,400.1 1,411.1	159.2 152.4	233.8 231.9	214.8 211.8	87.7 93.4	654.6 669.1	1.9 1.7	13.4 14.6	20.8 21.9	13.8 14.3
2022 Q1	1,411.1	136.8	231.9	193.1	99.7	626.1	0.9	14.0	21.9	14.3
Q2 Q3	1,202.1 1,149.6	120.5 110.2	180.3 166.6	173.1 162.1	104.2 107.0	569.4 546.4	0.9 1.1	13.6 12.3	22.1 22.3	17.9 21.7
Q4	1,130.1	103.6	170.5	155.6	111.4	540.0	1.1	11.5	19.5	16.8
2023 Q1 Q2	1,147.9 1,153.6	105.1 102.8	170.4 171.7	155.6 154.9	113.3 114.3	553.4 559.4	1.0 1.0	12.1 12.1	19.4 19.3	17.5 18.1
Q3 Q4	1,120.9 1,180.4	97.6 101.5	162.9 178.7	149.1 161.0	115.7 116.6	545.2 574.7	1.5 1.4	11.8 10.3	19.1 16.6	18.0 19.5
2024 Q1	1,193.5	98.4	176.5	156.1	115.6	594.3	1.4	10.5	16.6	24.3
	Non-life i	nsurance							•	.
2021 Q3 Q4	733.1 738.4	98.7 94.6	141.0 140.1	83.8 84.7	93.7 97.5	228.4 234.3	0.4 0.3	46.4 44.6	12.8 14.0	27.7 28.4
2022 Q1	738.4	94.0	140.1	80.8	98.5	234.3	0.3	44.0	14.0	30.7
Q2 Q3	681.6 661.1	81.9 76.2	122.0 116.0	74.8 70.3	98.6 99.2	216.5 212.2	0.1 0.1	44.0 43.1	14.1 14.1	29.5 29.7
Q4	659.0	70.2	115.2	69.1	99.8	212.2	0.2	42.4	14.1	30.1
2023 Q1 Q2	687.2 687.1	81.3 77.2	121.2 123.9	69.5 70.3	102.7 103.1	219.8 222.4	0.1 0.1	45.2 45.1	14.2 14.1	33.2 30.9
Q3 Q4	679.6 708.0	73.6 74.9	122.3 131.9	68.6 74.1	104.5 109.0	221.2 230.1	0.1 0.1	45.6 43.9	14.3 13.0	29.4 31.1
2024 Q1	748.8	81.0		75.2	110.6	234.6	0.1	55.8	13.0	38.0
	Reinsurar	nce ⁴				•			•	.
2021 Q3	519.9	13.9	99.3	59.6	282.0	16.7	1.0	28.0	4.7	14.8
Q4 2022 Q1	517.7 507.1	14.3 15.5	96.6 95.3	58.6 59.3	281.4 270.4	18.2 16.7	1.1 1.6	25.9 27.9	4.9 5.0	16.7 15.3
Q2 Q3	486.0 485.5	13.2 15.6	88.0 87.3	57.5 56.7	259.6 255.1	17.6	1.9 2.7	27.9 28.8	5.1 5.1	15.1 16.2
Q3 Q4	485.6	13.2	88.0	55.0	253.1	16.7	2.7	25.7	5.0	25.3
2023 Q1 Q2	491.8 489.5	15.3 14.7	89.2 87.6	55.0 54.8	256.3 256.9	17.1 17.2	2.4 2.5	27.8 26.9	4.8 4.8	23.7 24.0
Q3	504.9	14.8	90.9	55.5	260.7	17.1	2.1	31.6	4.8	27.3
Q4 2024 Q1	520.0 535.3	13.7 14.2	95.0 96.6	55.9 58.1	274.1 276.6	17.8 18.7	1.8 2.2	24.7 31.0	4.6 4.6	32.4 33.2
	Pension fun									
2021 Q3	689.8	82.9	60.4	48.9	11.8	453.6	0.1	12.2	17.8	2.2
Q4 2022 Q1	709.9 689.8	82.1 75.8	60.0 56.7	48.7 46.2	11.3 12.0	473.5 465.9	0.1 0.0	12.4 12.4	18.5 18.5	3.3 2.2
Q2	665.9	70.3	52.9	43.3	12.5	453.5	0.0	12.3	18.6	2.5
Q3 Q4	657.0 664.0	67.7 67.3	52.0 54.6	42.1 41.9	12.9 13.6	448.1 451.3	0.0 0.0	12.9 13.1	18.7 18.8	2.6 3.5
2023 Q1	671.5	66.4	56.9	42.3	13.6	457.9	0.0	12.9	18.7	2.7
Q2 Q3	678.7 675.9	67.5 67.1	58.9 60.3	42.7 42.3	13.4 13.5	462.0 458.2	0.0 0.1	12.9 12.9	18.7 18.7	2.6 2.8
Q4 2024 Q1	703.5 712.1	70.1 70.6	67.7 69.8	44.0 44.2	13.5 13.6	472.6 480.3	0.1 0.1	13.2 12.4	18.9 18.6	3.4 2.6
2027 Q1	/12.1	70.0	0.60	-+++.2	15.0	I 400.5	0.1	12.4	10.0	2.0

Sources: The calculations for the insurance sectors are based on supervisory data according to Solvency I and II and for pension funds on IORP supervisory data and own data collections. **1** Accounts receivable to monetary financial institutions, including registered bonds, borrower's note loans and registered Pfandbriefe. **2** Including deposits retained on assumed reinsurance as well as registered bonds, borrower's note loans and registered Pfandbriefe. **3** Including reinsurance recoverables and claims of

pension funds on pension managers. **4** Not including the reinsurance business conducted by primary insurers, which is included there. **5** The term "pension funds" refers to the institutional sector "pension funds" of the European System of Accounts. Pension funds thus comprise company pension schemes and occupational pension schemes for the self-employed. Social security funds are not included.

VII. Insurance corporations and pension funds

2. Liabilities

	€ billion									
					- · · ·					
					Technical reserve	5				
Food of		Debt		Channe and		Life/		Cinemain!	Demoisien	
End of year/quarter	Total	securities issued	Loans 1	Shares and other equity	Total 2	pension entitlements 3	Non-life	Financial derivatives	Remaining liabilities	Net worth 6
	Insurance co	orporations								
2021 Q3 Q4	2,653.1 2,667.2	35.4 36.0	82.8 81.9	567.0 579.3	1,817.7 1,820.7	1,569.1 1,578.3	248.7 242.3	2.5 2.5	147.6 146.8	
2022 Q1	2,547.3	34.4	82.1	563.1	1,725.9	1,472.6	253.3	4.0	137.7	-
Q2 Q3	2,369.7 2,296.2	33.6 33.8	78.7 73.6	541.6 537.4	1,574.4 1,506.0	1,326.8 1,262.3	247.5 243.7	6.0 7.4	135.3 138.0	-
Q4 2023 Q1	2,274.7 2,326.9	32.3 33.1	70.1 71.2	543.7 544.7	1,486.5 1,539.1	1,248.7 1,277.1	237.8 261.9	5.6 4.4	136.5 134.4	-
Q2	2,320.3 2,330.1 2,305.3	33.2 35.3	68.4 76.8	546.7	1,543.8 1,505.3	1,283.7	260.1 260.3	4.4 4.5 4.8	133.6	-
Q3 Q4	2,305.3	30.5	76.8	569.8	1,505.3	1,245.0 1,325.4	260.3	4.8	134.1	-
2024 Q1	2,477.5	30.6	78.1	575.0	1,642.4	1,345.5	296.9	3.7	147.8	-
2021 Q3	Life insur	ance 3.3	19.3	148.1	1,176.4	1,176.4	-	1.1	51.9	
Q4	1,411.1	3.3	20.7	148.2	1,185.5	1,185.5	-	0.9	52.5	-
2022 Q1 Q2	1,317.7 1,202.1	3.2 3.1	19.9 19.0	142.9 141.4	1,101.6 984.5	1,101.6 984.5		1.4 2.7	48.8 51.3	_
Q3 Q4	1,149.6 1,130.1	3.0 2.7	17.0 16.6	138.0 136.0	936.9 924.9	936.9 924.9		3.1 2.3	51.8 47.7	
2023 Q1	1,147.9	2.8	17.8	133.0	945.8	945.8	-	1.9	46.6	-
Q2 Q3	1,153.6 1,120.9	2.7 2.7	17.5 16.8	133.8 134.1	950.9 917.2	950.9 917.2		1.8 2.5	46.9 47.6	-
Q4 2024 Q1	1,180.4 1,193.5	0.8 0.8	17.7 17.5	133.3 128.8	977.7 994.3	977.7 994.3	-	2.0 1.7	48.8 50.2	-
	Non-life i			1						'
2021 Q3	733.1	1.2	10.5	168.9	498.7	367.8	130.9 125.0	0.2	53.7	-
Q4 2022 Q1	738.4 722.4	1.4 1.3	10.7 11.7	175.8 173.1	492.6 483.0	367.6 347.1	125.0	0.2	57.8 53.0	
Q2 Q3	681.6 661.1	1.2 1.2	11.1 10.5	167.6 167.9	451.9 430.4	322.7 307.4	129.2 123.0	0.5 0.5	49.2 50.5	
Q4	659.0	1.2	10.4	170.2	425.1	306.7	118.4	0.4	51.7	-
2023 Q1 Q2	687.2 687.1	1.2 1.2	10.7 10.6	173.0 174.6	451.0 451.2	314.4 317.0	136.7 134.2	0.4 0.3	51.0 49.1	-
Q3 Q4	679.6 708.0	1.7 0.6	10.9 12.5	173.8 180.2	444.2 461.3	312.6 333.6	131.5 127.7	0.4 0.3	48.7 53.3	-
2024 Q1	748.8	0.6	13.4	184.6	494.4	337.1	157.3	0.3	55.5	-
	Reinsurar									.
2021 Q3 Q4	519.9 517.7	30.9 31.4	53.0 50.5	250.1 255.3	142.7 142.6	24.9 25.3	117.8 117.3	1.3 1.4	42.0 36.5	-
2022 Q1 Q2	507.1 486.0	30.0 29.3	50.4 48.6	247.2 232.6	141.3 138.0	23.9 19.6	117.4 118.4	2.3 2.8	35.9 34.7	-
Q3 Q4	485.5 485.6	29.7 28.4	46.2 43.1	231.5 237.5	138.7 136.5	18.0 17.1	120.7 119.4	3.8 2.9	35.7 37.1	-
2023 Q1	491.8	29.2	42.8	238.7	142.2	17.0	125.3	2.1	36.8	-
Q2 Q3	489.5 504.9	29.3 31.0	40.2 49.2	238.3 241.2	141.7 143.9	15.8 15.2	125.9 128.7	2.4 1.9	37.6 37.8	
Q4 2024 Q1	520.0 535.3	29.1 29.1	43.0 47.2	256.3 261.6	147.7 153.7	14.2 14.1	133.5 139.6	1.8 1.7	42.0 42.0	-
2027 (1	Pension fun		47.2	201.0	1.55.7	14.1	153.0	1.7	42.0	
2021 Q3	689.8	-	1.9	31.9	539.8	537.6	-	0.2	9.3	106.8
Q4 2022 Q1	709.9 689.8	-	1.9 2.0	32.0 33.5	560.2 559.7	557.3 556.9	-	0.1 0.1	8.9 9.5	106.8 85.1
Q2 Q3	665.9 657.0	-	2.0 1.8 1.9	33.5 34.7	561.0 563.1	558.4 560.6		0.1	9.0 9.7	60.4 47.5
Q4	664.0	-	1.8	34.5	576.4	573.9	-	0.1	9.4	41.8
2023 Q1 Q2	671.5 678.7		1.8 1.8	35.5 35.7	577.3 582.0	574.9 579.6		0.1 0.1	9.5 9.6	47.3 49.5
Q3 Q4	675.9 703.5		1.9 1.9	35.0 35.0	583.7 597.0	581.5 594.8	-	0.1	9.7 9.9	45.6 59.6
2024 Q1	712.1	-	1.9	36.0		597.7	-	0.1	9.6	

Sources: The calculations for the insurance sectors are based on supervisory data according to Solvency I and II and for pension funds on IORP supervisory data and own data collections. 1 Including deposits retained on ceded business as well as registered bonds, borrower's note loans and registered Pfandbriefe. 2 Including claims of pension funds on pension managers and entitlements to non-pension benefits. 3 Technical reserves "life" taking account of transitional measures. Health insurance is also included

in the "non-life insurance" sector. **4** Not including the reinsurance business conducted by primary insurers, which is included there. **5** Valuation at book values. The term "pension funds" refers to the institutional sector "pension funds" of the European System of Accounts. Pension funds thus comprise company pension schemes and occupational pension schemes for the self-employed. Social security funds are not included. **6** Own funds correspond to the sum of "Net worth" and "Shares and other equity".

2015 2016 2017 2018 2019 2020 2021 2022 2023 2023 June July Aug. Sep. Oct. Nov. Dec. 2024 Jan. Feb. Mar. Apr. May

VIII. Capital market

1. Sales and purchases of debt securities and shares in Germany

Debt securities										
	Sales					Purchases				
	Domestic debt	securities 1				Residents				
Sales = total pur- chases	Total	Bank debt securities	Corporate bonds (non-MFIs) 2	Public debt secur- ities	Foreign debt secur- ities 3	Total 4	Credit in- stitutions including building and loan associations 5	Deutsche Bundesbank	Other sectors 6	Non- residents 7
51,813 - 15,971 58,735 15,219 68,998 51,034 78,657 139,611 451,481 230,854 150,974 289,352 42,277 28,670 17,661 19,604	 21,419 101,616 31,962 36,010 27,429 11,563 16,630 68,536 374,034 221,648 156,190 158,228 22,910 27,889 10,967 16,310 	- 98,820 - 117,187 - 47,404 - 65,778 19,177 1,096 33,251 29,254 14,462 31,941 59,322 88,018 - 6,490 981 10,278 - 7,089	- 8,701 153 - 1,330 26,762 18,265 7,112 12,433 32,505 88,703 19,754 35,221 - 11,899 5,312 - 79 - 1,708 6,461	86,103 15,415 16,776 3,006 - 10,012 3,356 - 29,055 6,778 270,870 169,953 61,648 82,109 24,089 26,987 2,397 16,938	73,231 85,645 90,697 51,229 41,569 39,471 62,027 71,075 77,446 9,205 - 5,216 131,124 19,366 781 6,694 3,294	- 3,767 16,409 44,384 99,225 161,776 134,192 107,155 60,195 280,820 243,497 143,527 126,229 35,553 2,548 3,128 - 4,880	- 42,017 - 25,778 - 12,124 - 66,330 - 58,012 - 71,454 - 24,417 8,059 18,955 - 41,855 - 41,855 32,163 16,773 - 8,514 - 50 - 8,020	- 3,573 - 12,708 - 11,951 121,164 187,500 161,012 67,328 2,408 226,887 245,198 49,774 - 59,817 - 8,853 324 - 9,067 - 11,311	41,823 54,895 68,459 44,391 32,288 44,634 64,244 49,728 34,978 40,150 90,839 153,883 27,632 10,738 11,691 14,451	55,5 - 32,3 14,3 - 84,0 - 92,7 - 83,1 - 28,4 170,6 - 12,6 - 12,6 - 12,6 - 6,7 26,1 14,5 24,4
- 20,618 28,453 - 20,319 30,652 19,146 42,591 - 27,913	- 19,390 18,861 - 27,517 25,509 11,577 15,188 - 25,395	1,677 9,439 4,368 8,437 6,463 13,915 - 10,665	- 10,955 - 3,337 - 8,386 6,301 - 957 3,072 6,215	- 10,113 12,759 - 23,499 10,771 6,070 - 1,799 - 20,946	- 1,227 9,592 7,199 5,143 7,569 27,402 - 2,518	- 13,989 9,557 - 8,134 6,259 3,675 19,477 - 31,713	- 4,855 10,752 - 7,024 17,106 7,562 16,349 - 4,492	- 6,759 - 5,186 - 5,130 - 7,128 - 9,079 - 4,776 - 12,041	- 2,375 3,992 4,020 - 3,718 5,191 7,905 - 15,181	- 6,6 18,8 - 12,1 24,3 15,4 23,1 3,8

	€ million							
	Shares							
		Sales		Purchases				
	Sales			Residents				
Period	= total purchases	Domestic shares 8	Foreign shares 9	Total 10	Credit insti- tutions 5	Other sectors 11	Non- residents 12	
2012	15,061	5,120	9,941	14,405	10,259	4,146	_	656
2013	20,187	10,106	10,081	17,337	11,991	5,346		2,851
2014	43,488	18,778	24,710	43,930	17,203	26,727		443
2015	56,979	7,668	49,311	46,721	- 5,421	52,142	-	10,258
2016	39,133	4,409	34,724	39,265	- 5,143	44,408		132
2017	52,932	15,570	37,362	51,270	7,031	44,239		1,662
2018	61,400	16,188	45,212	89,624	- 11,184	100,808		28,224
2019	54,830	9,076	45,754	43,070	- 1,119	44,189	-	11,759
2020	78,464	17,771	60,693	111,570	27	111,543		33,106
2021	115,933	49,066	66,868	102,921	10,869	92,052		13,012
2022	- 6,275	27,792	– 34,066	2,997	- 8,262	11,259		9,272
2023	41,999	36,898	5,101	52,912	14,650	38,262	-	10,913
2023 June	- 4,707	1,067	– 5,774	- 525	- 3,322	2,797		4,182
July	6,873	478	6,396	3,534	- 136	3,670		3,340
Aug.	766	1,474	- 707	3,833	- 893	4,726		3,067
Sep.	– 4,577	687	- 5,265	– 3,470	1,962	– 5,432		1,107
Oct.	564	583	- 18	- 3,007	- 88	3,095	-	2,442
Nov.	591	301	290	- 2,437	538	– 2,975		3,028
Dec.	27,982	24,942	3,039	26,378	6,437	19,941		1,604
2024 Jan.	– 282	351	- 69	2,171	– 1,361	– 3,532		1,888
Feb.	– 856	206	- 1,062	- 626	4,247	– 4,873		230
Mar.	7,233	4,679	2,554	9,297	6,657	2,640		2,064
Apr.	1,852	1,546	306	2,664	- 2,481	5,145	-	812
May	5,136	474	4,662	4,800	3,531	1,269		336

Net sales at market values plus/minus changes in issuers' portfolios of their own debt securities.
 Including cross-border financing within groups from January 2011.
 Net purchases or net sales (-) of foreign debt securities by residents; transaction values.
 Domestic and foreign debt securities.
 Book values; statistically adjusted.
 Residual; also including purchases of domestic and foreign securities by domestic mutual funds.
 Up to end-2008 including Deutsche Bundesbank.
 Net purchases or net sales (-) of do-mestic debt securities by non-residents; transaction values.
 Excluding shares of public

limited investment companies; at issue prices. **9** Net purchases or net sales (-) of foreign shares (including direct investment) by residents; transaction values. **10** Domestic and foreign shares. **11** Residual; also including purchases of domestic and foreign securities by domestic mutual funds. **12** Net purchases or net sales (-) of domestic shares (including direct investment) by non-residents; transaction values. — The figures for the most recent date are provisional; revisions are not specially marked.

Public debt securities

Corporate bonds (non-MFIs) 2

VIII. Capital market

2. Sales of debt securities issued by residents *

	€ million, nominal value			
		Bank debt securities 1		
			Mortgage	Public
Period	Total	Total	Pfandbriefe	Pfandbriefe
	Gross sales		-	
2012	1,340,568	702,781	36,593	1
2013 2014	1,433,628 1,362,056	908,107 829,864	25,775 24,202	1
2014	1,359,422	852.045	35,840	1
2016 3	1,206,483	717,002	29,059	
2017 3	1,047,822	619,199	30,339	
2018 2019	1,148,091 1,285,541	703,416 783,977	38,658 38,984	
2020 6	1,285,541	778.411	39,548	1
2021	1,658,004	795,271	41,866	i
2022	1,683,265	861,989	66,811	1
2023	1,705,524	937,757	45,073	1
2023 June	171,957	84,953	3,264	
July	121,578 142,211	53,812 82,749	2,876 3,085	
Aug. Sep.	152,408	82,679	3,337	
Oct.	132,402	83,350	1,697	
Nov.	125,657	72,915	7,203	
Dec.	81,025	55,000	1,834	
2024 Jan.	151,286	89,021	6,405	
Feb. Mar.	148,430 124,684	79,876 62,659	3,301 5,081	
ividi.	124,004	02,059	3,001	

	Gross sales							
2012	1,340,568	702,781	36,593	11,413	446,153	208,623	63,258	574,530
2013	1,433,628	908,107	25,775	12,963	692,611	176,758	66,630	458,892
2014 2015	1,362,056 1,359,422	829,864 852,045	24,202 35,840	13,016 13,376	620,409 581,410	172,236 221,417	79,873 106,675	452,321 400,701
2015 2016 3	1,206,483	717,002	29,059	7,621	511,222	169,103	73,371	416,108
2017 3	1,047,822	619,199	30,339	8,933	438,463	141,466	66,290	362,332
2018	1,148,091	703,416	38,658	5,673	534,552	124,530	91,179	353,496
2019	1,285,541	783,977	38,984	9,587	607,900	127,504	94,367	407,197
2020 6 2021	1,870,084 1,658,004	778,411 795,271	39,548 41,866	18,327 17,293	643,380 648,996	77,156 87,116	184,206 139,775	907,466 722,958
2022	1,683,265	861,989	66,811	11,929	700,062	83,188	169,680	651,596
2023	1,705,524	937,757	45,073	12,633	782,969	97,082	153,128	614,639
2023 June	171,957	84,953	3,264	1,556	70,601	9,532	21,526	65,478
July	121,578	53,812	2,876	130	43,776	7,031	14,133	53,632
Aug. Sep.	142,211 152,408	82,749 82,679	3,085 3,337	1,013 550	71,729 71,155	6,922 7,637	10,064 18,722	49,397 51,007
Oct.	132,402	83,350	1,697	2,557	71,328	7,769	10,151	38,901
Nov.	125,657	72,915	7,203	1,354	57,521	6,837	8,850	43,892
Dec.	81,025	55,000	1,834	1,453	46,549	5,164	4,722	21,302
2024 Jan.	151,286	89,021	6,405	1,630	70,605	10,380	14,833	47,433
Feb. Mar.	148,430 124,684	79,876 62,659	3,301 5,081	2,051 608	63,439 45,393	11,086 11,577	7,181 11,709	61,373 50,316
Apr.	150,134	84,574	5,951	1,213	66,287	11,124	13,211	52,349
May	143,772	78,454	1,463	1,027	66,133	9,831	12,228	53,091
	of which: Debt se	curities with mat	urities of more t	than four years	5 ⁴	-		
2012	421,018	177,086	23,374	6,482	74,386	72,845	44,042	199,888
2013	372,805	151,797	16,482	10,007	60,662	64,646	45,244	175,765
2014	420,006	157,720	17,678	8,904	61,674	69,462	56,249	206,037
2015 2016 3	414,593 375,859	179,150 173,900	25,337 24,741	9,199 5,841	62,237 78,859	82,379 64,460	68,704 47,818	166,742 154,144
2010 3	357,506	170,357	22,395	6,447	94,852	46,663	44,891	142,257
2018	375,906	173,995	30,934	4,460	100,539	38,061	69,150	132,760
2019	396,617	174,390	26,832	6,541	96,673	44,346	69,682	152,544
2020 6 2021	658,521 486,335	165,097 171,799	28,500 30,767	7,427 6,336	90,839 97,816	38,330 36,880	77,439 64,234	415,985 250,303
2022	485,287	164,864	41,052	7,139	91,143	25,530	56,491	263,932
2023	482,193	155,790	28,294	4,664	101,059	21,772	44,272	282,132
2023 June	53,960	12,885	2,664	498	9,123	600	10,475	30,600
July	34,145	10,133	430	2	7,964	1,736	2,298	21,715
Aug. Sep.	36,582 40,995	12,501 8,847	2,383 2,250	1,000	8,182 5,127	936 1,470	1,656 8,741	22,425 23,407
Oct.	37,642	15,411	2,230	20	11,876	3,253	2,456	19,775
Nov.	35,532	13,641	6,703	600	4,135	2,203	2,541	19,350
Dec.	14,764	6,401	1,040	1,205	2,551	1,605	763	7,600
2024 Jan.	55,105	23,961	5,330	537	14,875	3,219	8,244	22,900
Feb. Mar.	53,198 44,606	21,778 12,428	1,920 4,590	1,251 606	15,159 4,928	3,448 2,304	1,870 6,478	29,550 25,700
Apr.	47,632	18,861	3,459	1,026	9,789	4,587	5,921	22,850
May	45,799	13,636	328	1,027	9,717	2,563	5,238	26,925
	Net sales 5							
2012	- 85,298	- 100,198	- 4,177	- 41,660	- 3,259	- 51,099	- 6,401	21,298
2013	- 140,017	- 125,932		- 37,778	- 4,027	- 66,760	1,394	- 15,479
2014 2015	- 34,020 - 65,147	- 56,899 - 77,273		- 23,856 - 9,754	- 862 - 2.758	- 25,869 - 74.028	10,497	12,383
2015 2016 3	21,951	- 77,273 10,792	÷/=··	- 9,754 - 12,979	- 2,758 16,266	- 74,028 5,327	25,300 18,177	- 13,174 - 7,020
2017 3	2,669	5,954	6,389	- 4,697	18,788	- 14,525	6,828	- 10,114
2018	2,758	26,648	13,014	- 6,564	18,850	- 5,453	9,738	- 33,630
2019 2020 6	59,719 473,795	28,750 28,147	13,098 8,661	- 3,728 8,816	26,263 22,067	- 6,885 - 11,398	30,449 49,536	519 396,113
2020	210,231	52,578	17,821	7,471	22,067	- 11,398 4,314	49,536	122,123
2022	135,853	36,883	23,894	- 9,399	15,944	6,444	30,671	68,299
2023	190,577	78,764	10,184	- 791	46,069	23,303	- 34	111,848
2023 June	25,517	- 7,752	- 509	11	- 9,065	1,811	7,559	25,710
July Aug.	30,229 15,869	700 9,610	- 53 2,930	110 541	- 502 7,387	- 1,146 - 1,249	- 734 - 1,791	30,263 8,050
Sep.	12,991	- 6,384	2,950	- 809	- 4,706	- 897	8,074	11,300
Oct.	- 7,927	- 1,596	- 2,527	- 1,529	- 895	3,356	- 2,197	- 4,135
Nov.	30,649	13,427	4,984	904	7,149	391	- 4,018	21,239
Dec.	- 11,217	10,301	308	1,288	9,314	- 609	- 4,873	- 16,644
2024 Jan. Feb.	4,841 12,862	4,209 7,348	- 569 1,102	1,400 1,691	- 2,865 - 522	6,243 5,078	4,372 - 2,312	- 3,740 7,827
Mar.	17,943	13,538	1,459	- 498	8,865	3,713	3,784	620
Apr.	- 9,914	- 10,653	2,897	- 1,562	- 14,334	2,346	4,972	- 4,233
May	7,170	3,978	- 1,388	77	2,782	2,508	3,723	- 532
	* For definitions see th	a avalanatany natas in	Statistical Carias Co	curities locues r	adamations C Math	-	000 January 2020 - T	

Debt securities issued by special-purpose credit institutions

Other bank

debt securities

* For definitions, see the explanatory notes in Statistical Series - Securities Issues Statistics on pages 43 f. 1 Excluding registered bank debt securities. 2 Including cross-border financing within groups from January 2011. 3 Sectoral reclassification of debt securities. 4 Maximum maturity according to the terms of issue. 5 Gross sales less

redemptions. **6** Methodological changes since January 2020. — The figures for the year 2020 have been revised. The figures for the most recent date are provisional. Revisions are not specially marked.

VIII. Capital market

3. Amounts outstanding of debt securities issued by residents *

īotal 3,285,422	Bank debt securities						
3,285,422	Total						
3,285,422		Mortgage Pfandbriefe	Public Pfandbriefe	Debt securities issued by special-purpose credit institutions	Other bank debt securities	Corporate bonds (non-MFIs)	Public debt securities
3,781,975 3,930,390 4,131,592 4,052,214 4,077,718 4,095,643 4,117,795 4,110,219 4,139,444 4,131,592 4,140,092	1,250,777 1,302,028 1,384,958 1,354,415 1,354,010 1,365,365 1,365,365 1,362,975 1,373,679 1,384,958 1,394,649	145,007 127,641 121,328 130,598 132,775 141,273 161,088 174,188 183,980 202,385 225,854 237,099 230,474 231,454 234,566 234,599 231,537 236,596 237,099 236,671	147,070 109,290 85,434 75,679 62,701 58,004 51,439 47,712 55,959 63,496 54,199 54,312 53,223 53,389 53,961 53,128 52,084 53,034 53,034 53,034 53,735	574,163 570,136 569,409 566,811 633,578 651,211 670,062 696,325 687,710 731,068 761,047 806,808 788,438 786,384 795,808 796,782 796,782 796,782 794,730 798,461 806,808 808,508	1 548,109 481,273 455,274 335,910 320,432 1 311,572 304,686 2 247,169 253,828 260,928 282,783 282,281 282,783 281,279 280,856 284,623 285,588 286,739 293,736	220,456 221,851 232,342 257,612 275,789 302,543 12 313,527 2 342,325 2 379,342 414,791 441,734 446,064 444,711 450,654 446,199 441,742 446,559	1 1,650,617 1,635,138 1,647,520 1,634,377 1,627,358 1,617,244 1,583,616 1,584,136 1,991,040 2,116,406 2,187,127 2,304,892 2,251,019 2,277,644 2,285,319 2,299,393 2,296,591 2,319,566 2,304,892 2,298,884 2,307,093 2,309,746
	1,401,409	237,658	57,450	807,692	298,609		2,307,093
		239,096		816,963	302,344	448,012	2,309,746
	1,408,556		55,4/4		305,203	453,941	2,307,292 2,308,844
			55,574	807,179	307,008		
Breakdown by	remaining perio	a to maturity s					
807 636 636 930 399 654 324 479 241 156 121 531	347 863 226 598 134 052 100 448 54 660 15 121	72 777 46 145 22 329 22 558 7 386 2 009	17 995 7 660 3 238 6 577 3 199 232	182 212 130 971 80 453 54 326 34 628 10 554	74 880 41 822 28 032 16 986 9 447 2 327	81 181 74 166 38 198 30 662 28 392 18 224	613 283 378 592 336 166 227 404 193 370 158 104 88 186 313 740
2	3,068,111 3,090,708 3,091,303 3,545,200 3,781,975 3,930,390 4,131,592 4,052,214 4,077,718 4,075,718 4,075,718 4,117,795 4,110,219 4,139,544 4,131,592 4,140,092 4,152,812 4,173,121 4,169,790 4,176,649 Breakdown by 1 204 430 807 636 636 930 399 654 324 479 241 156	3,068,111 1,164,965 3,090,708 1,170,920 3,091,303 1,194,160 2 3,149,373 1,222,911 2 3,545,200 2 1,174,817 3,781,975 1,250,777 3,930,390 1,302,028 4,131,592 1,384,958 4,052,214 1,354,415 4,077,718 1,354,010 4,095,643 1,365,614 4,117,795 1,365,365 4,110,219 1,362,975 4,139,444 1,373,679 4,138,958 4,145,812 1,401,409 4,152,812 1,401,409 4,173,121 1,415,363 4,176,649 1,410,378 Breakdown by remaining perio 1204 430 501 063 347 863 807 636 347 863 347 863 399 654 134 052 324 479 100 448 241 156 54 660 121 531 15 121	3,068,111 1,164,965 132,775 3,090,708 1,170,920 141,273 3,091,303 1,194,160 161,088 2,3,149,373 1,222,911 174,188 3,545,200 2 1,174,817 183,980 3,781,975 1,250,777 202,385 3,930,390 1,302,028 225,854 4,131,592 1,384,958 237,099 4,052,214 1,354,010 231,454 4,095,643 1,365,614 234,566 4,117,795 1,365,365 234,599 4,110,219 1,362,975 231,537 4,139,444 1,373,679 236,596 4,131,592 1,384,958 237,099 4,140,092 1,394,649 236,671 4,139,444 1,373,679 236,596 4,131,592 1,384,958 237,099 4,140,092 1,394,649 236,671 4,152,812 1,401,409 237,658 4,173,121 1,410,378 240,617 Breakdown by remaining period to maturity	3,068,111 1,164,965 132,775 62,701 3,090,708 1,170,920 141,273 58,004 3,091,303 1,194,160 161,088 51,439 2,3,149,373 1,222,911 174,188 47,712 3,545,200 2 1,174,817 183,980 55,959 3,781,975 1,250,777 202,385 63,496 3,930,390 1,302,028 225,854 54,199 4,131,592 1,384,958 237,099 54,312 4,052,214 1,354,010 231,454 53,389 4,095,643 1,365,614 234,566 53,961 4,117,795 1,365,365 234,599 53,128 4,110,219 1,362,975 231,537 52,084 4,139,444 1,373,679 236,596 53,034 4,131,592 1,384,958 237,099 54,312 4,140,092 1,384,958 237,059 54,312 4,140,092 1,384,958 237,059 54,312 4,140,092 1,384,958	3,068,111 1,164,965 132,775 62,701 633,578 3,090,708 1,170,920 141,273 58,004 651,211 3,091,303 1,194,160 161,088 51,439 670,062 2,3,149,373 1,222,911 174,188 47,712 696,325 3,545,200 2 1,174,817 183,980 55,959 687,710 3,781,975 1,250,777 202,385 63,496 731,068 3,930,390 1,302,028 225,854 54,199 761,047 4,131,592 1,384,958 237,099 54,312 806,808 4,052,214 1,355,010 231,454 53,289 786,384 4,077,718 1,365,614 234,556 53,061 795,808 4,110,219 1,365,614 234,556 53,034 798,434 4,139,444 1,373,679 236,596 53,034 798,461 4,131,592 1,384,958 237,099 54,312 806,808 4,160,92 1,394,459 236,671 55,755	3,068,111 1,164,965 132,775 62,701 633,578 335,910 3,090,708 1,170,920 141,273 58,004 651,211 320,432 3,091,303 1,194,160 161,088 51,439 670,062 1 311,572 3,149,373 1,222,911 174,188 47,712 696,325 304,686 3,545,200 2 1,174,817 183,980 55,959 687,710 2 247,169 3,781,975 1,250,777 202,385 63,496 731,068 253,828 3,930,390 1,302,028 225,854 54,199 761,047 260,928 4,052,214 1,354,415 230,474 53,223 788,438 282,783 4,095,643 1,365,614 234,556 53,961 795,808 281,279 4,117,795 1,365,614 234,559 53,128 796,782 280,856 4,110,219 1,365,614 234,566 53,961 795,808 281,279 4,110,219 1,365,614 234,566	3,068,111 1,164,965 132,775 62,701 633,578 335,910 275,789 3,090,708 1,170,920 141,273 58,004 651,211 320,432 2 30,527 2,3,149,373 1,222,911 174,188 47,712 696,325 304,686 2 342,325 2,3,545,200 2 1,174,817 183,980 55,959 687,710 2 247,169 2 379,342 3,930,390 1,302,028 225,854 54,199 761,047 260,928 441,234 4,131,592 1,384,958 237,099 54,312 806,808 286,739 441,741 4,052,214 1,354,415 230,474 53,223 788,438 282,783 446,604 4,077,718 1,356,614 234,566 53,961 795,808 281,279 444,711 4,117,295 1,365,365 234,599 53,128 796,782 280,856 453,037 4,110,219 1,362,975 231,537 52,084 794,730 284,623 450,654 4,110,219 1,362,956 234,599 53,128 79

* Including debt securities temporarily held in the issuers' portfolios. **1** Sectoral reclassification of debt securities. **2** Adjustments due to the change in the country of residence of the issuers or debt securities. **3** Calculated from month under review until final maturity for debt securities falling due en bloc and until mean maturity of the

residual amount outstanding for debt securities not falling due en bloc. 4 Methodological changes since January 2020. — The figures for the year 2020 have been revised. The figures for the most recent date are provisional. Revisions are not specially marked.

4. Shares in circulation issued by residents *

€ million, nominal value

2013 171,741 - 6,879 2,971 718 476 - 1,432 - 619 - 8,992 1,432,65 2014 177,097 5,356 5,332 1,265 1,714 - 465 - 1,044 - 1,446 1,4478,60 2015 177,416 319 4,634 397 599 - 1,334 - 1,385 - 2,535 1,614,44 2016 176,355 - 1,062 3,272 319 337 - 953 - 2,165 - 1,865 1,676,335 2017 178,828 2,471 3,894 776 533 - 457 - 661 - 1,615 1,933,72 2018 180,187 1,673 2,411 2,419 542 - 858 - 65 - 2,755 1,960,35 2020 4 183,461 1,673 2,411 2,419 542 - 858 - 65 - 2,755 1,960,355 2021		e minori, normai valu										
share capital = circulation at end of period under review Net increase or net decrease (·) during period under review ind convertible bonds in bonus shares contribution of claims and ex- convertible merger issue of bonus shares contribution and transfer merger of capital and transfer change of change of of capital and source reduction of capital and source convertible source convertible source issue of convertible contribution and merger and dtrei change of convertible source convertible source convertible <t< td=""><td></td><td></td><td></td><td>Change in domes</td><td>tic public limited c</td><td>ompanies' capital</td><td>due to</td><td></td><td></td><td></td><td></td><td></td></t<>				Change in domes	tic public limited c	ompanies' capital	due to					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		circulation at end of period under review	net decrease (-) during period under review	and ex- change of convertible bonds 1	bonus shares	of claims and other real assets	and transfer		legal form		of capital and liquidation	Share circulation at market values (market capita- lisation) level at end of period under review 2
2014 177,097 5,356 5,332 1,265 1,714 - 1,645 - 1,044 - 1,446 1,478,06 2015 177,416 319 4,634 397 599 - 1,384 - 2,135 - 2,355 1,614,44 2016 176,355 - 1,062 3,272 319 337 - 953 - 2,165 - 1,865 1,676,33 2017 178,828 2,471 3,894 776 533 - 457 - 661 - 1,615 1,933,72 2018 180,187 1,357 3,670 716 82 - 1,055 - 1,111 - 946 1,634,15 2020 4 181,881 - 2,872 1,877 219 178 - 2,051 - 460 - 2,635 1,963,55 2021 186,580 4,152 9,661 672 35 - 326 - 212 - 5,758 2,901,94 2023 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1,150,188</td></t<>												1,150,188
2015 177,416 319 4,634 397 599 - 1,394 - 1,385 - 2,535 1,614,44 2016 176,355 - 1,062 3,272 319 337 - 953 - 2,165 - 1,865 1,676,353 2017 178,828 2,471 3,894 776 533 - 457 - 661 - 1,615 1,933,72 2018 180,187 1,357 3,670 716 82 - 1,055 - 1,111 - 946 1,634,12 2020 4 183,461 1,673 2,411 2,419 542 - 858 - 65 2,775 1,950,22 2020 4 181,881 - 2,872 1,877 219 178 - 2,051 - 460 - 2,635 1,963,52 2021 186,580 4,152 9,561 672 35 - 326 - 212 - 5,782 1,89,89 2023 Jule<				2,9/1								
2016 176,355 - 1,062 3,272 319 337 - 953 - 2,165 - 1,865 1,676,333 2017 178,828 2,471 3,894 776 533 - 457 - 661 - 1,615 1,933,72 2018 180,887 1,357 3,670 716 82 - 1,055 - 1,111 - 946 1,634,15 2019 34 183,461 1,673 2,411 2,419 542 - 858 - 655 - 2,775 1,950,325 2020 4 181,881 - 2,872 1,877 219 178 - 2,051 - 460 - 2,753 1,960,355 2021 186,580 4,152 9,561 672 35 - 326 - 212 - 5,578 2,301,94 2022 199,789 12,272 14,950 224 371 - 29 - 293 - 2,955 2,951,67 2023							- ·					1,614,442
2018 180,187 1,357 3,670 716 82 - 1,055 - 1,111 - 946 2019 34 183,461 1,673 2,411 2,419 542 - 858 - 65 - 2,775 1,950,25 2020 4 181,881 - 2,872 1,877 219 178 - 236 - 212 - 2,635 1,963,55 2021 186,580 4,152 9,561 672 35 - 326 - 212 - 5,578 2,951 2022 199,789 12,272 14,950 224 371 - 29 - 2,951 - 16,335 2,051,67 2023 182,246 - 15,984 3,377 3 50 - 564 - 2,151 - 16,335 2,061,00 July 198,505 8 422 - - - 0 - 89 - 62 2,113,57 Aug. 198,505 8 422 - - - 1 - 244 - 217 2,038,56 Sep. 198,522 194				3,272	319			953	- 2,	165	- 1,865	1,676,397
2019 34 183,461 1,673 2,411 2,419 542 - 858 - 65 - 2,775 1,950,22 2020 4 181,881 - 2,872 1,877 219 178 - 2,051 - 460 - 2,655 1,963,55 2021 186,580 - 15,984 3,377 3 50 - 526 - 2,933 - 2,952 1,885,90 2023 182,246 - 15,984 3,377 3 50 - 564 - 2,515 - 16,335 2,061,06 2023 182,246 - 15,984 3,377 3 50 - 564 - 2,515 - 16,335 2,061,06 2023 182,246 - 198,505 8 422 - - - 262 - 17 - 16,335 2,061,06 July 198,605 8 422 - - - 1 - 24 - 217 2,038,56 -				3,894								1,933,733
2020 4 181,881 - 2,872 1,877 219 178 - 2,051 - 460 - 2,635 1,963,58 2021 186,580 4,152 9,561 672 35 - 326 - 212 - 5,578 2,301,92 2022 199,789 12,272 14,950 224 371 - 29 - 2,515 - 16,335 2,051,67 2023 182,246 - 15,984 3,377 3 50 - 564 - 2,515 - 16,335 2,061,00 July 198,656 - 99 52 - - - 0 - 89 - 62 2,113,57 Aug. 198,654 210 452 - - - 1 - 24 - 217 2,038,58 Sep. 198,522 194 504 - - - 100 - 2 - 208 1,852,18 Nov. 198,456 -												
2021 186,580 4,152 9,561 672 35 - 326 - 212 - 5,578 2,301,94 2022 199,789 12,272 14,950 224 371 - 29 - 2,931 - 2,952 1,858,96 2023 182,246 - 15,984 3,377 3 50 - 564 - 2,915 - 16,335 2,061,06 2023 June 198,505 - 8 422 - - - 262 - 17 - 135 2,061,06 July 198,606 - 99 52 - - - 0 - 89 - 62 2,113,57 Aug. 198,654 210 452 - - - 1 - 244 - 217 2,035,65 Sep. 198,328 - 325 280 3 - - 201 - 100 - 2 - 208 1,852,16 0 0.0 0			- 2872	1 877								1,950,224
2022 199,789 12,272 14,950 224 371 - 29 - 293 - 2,952 1,858,96 2023 182,246 - 15,984 3,377 3 50 - 564 - 2,515 - 16,355 2,051,67 2023 198,505 8 422 - - - - 564 - 2,515 - 16,355 2,061,06 July 198,606 - 99 52 - - - 0 - 89 - 62 2,113,57 Aug. 198,654 210 452 - - - 1 - 24 - 217 2,038,56 Sep. 198,528 - 325 280 3 - - 201 - 100 - 397 1,966,88 Oct. 198,522 194 504 - - - 100 - 22 - 208 1,852,18 Nov. 198,456 - 67											- 5,578	2,301,942
2023 June 198,505 8 422 - - 262 - 17 - 135 2,061,00 July 198,406 - 99 52 - - - 0 - 89 - 62 2,113,57 Aug. 198,654 210 452 - - - 1 - 24 - 217 2,038,56 Sep. 198,328 - 325 280 3 - - 201 - 100 - 397 1,966,88 Oct. 198,522 194 504 - - - 100 - 2 - 208 1,852,18 Nov. 198,456 - 67 62 0 0 0 0 - 129 2,002,56 Dec. 182,246 - 16,210 677 0 0 0 - 14,521 2,051,65 2024 Jan. 182,103 - 117 48 0 0 - 2.4 2.5 - 138 2,126,88 Mar. 182,100 113 344 0 0 - 7 - 5 - 21				14,950			-					1,858,963
July 198,406 - 99 52 - - - 0 - 89 - 62 2,113,57 Aug. 198,654 210 452 - - - 1 - 24 - 217 2,038,56 Sep. 198,528 - 325 280 3 - - 201 - 10 - 397 1,966,88 Oct. 198,522 194 504 - - - 100 - 2 - 208 1,852,18 Nov. 198,456 - 67 62 0 0 0 0 - 129 2,002,56 Dec. 182,103 - 144 42 0 0 - 0 - 14,521 2,002,56 2024 Jan. 181,987 - 117 48 0 0 - 215 - 138 2,126,88 Mar.				3,377	3							2,051,675
Aug. 198,654 210 452 - - - 1 - 24 - 217 2,038,56 Sep. 198,328 - 325 280 3 - - 201 - 10 - 397 1,966,85 Oct. 198,328 - 325 280 3 - - 201 - 10 - 397 1,966,85 Oct. 198,522 194 504 - - - 100 - 2 - 208 1,852,18 Nov. 198,456 - 67 62 0 0 0 0 - 129 2,002,56 Dec. 182,246 - 16,210 677 0 0 - 2,01 - 14,521 2,002,56 2024 Jan. 182,103 - 144 42 0 0 - 2,015,16 - 14,521 2,051,66 -					-			262				
Sep. 198,328 - 325 280 3 - - 201 - 10 - 397 1,966,85 Oct. 198,522 194 504 - - - 100 - 2 - 208 1,852,16 Nov. 198,522 194 504 - - - 100 - 2 - 208 1,852,16 Nov. 198,456 - 67 62 0 0 0 - 129 2,002,56 Dec. 182,103 - 16,210 677 0 0 0 - 2,366 - 14,521 2,051,67 2024 Jan. 182,103 - 144 42 0 0 - 0 - 115 - 71 2,061,70 Feb. 181,987 - 117 48 0 0 - 2 - 25 - 138 2,213,06								1	-			
Oct. 198,522 194 504 - - - 00 - 2 - 208 1,852,18 Nov. 198,456 - 67 62 0 0 0 0 - 129 2,002,56 Dec. 182,246 - 16,210 677 0 0 0 - 14,521 2,005,65 2024 Jan. 182,103 - 144 42 0 0 - 0 115 - 71 2,061,70 Feb. 181,987 - 117 48 0 0 - 2 - 25 - 138 2,126,88 Mar. 182,100 113 344 0 0 - 7 - 5 - 218 2,213,06 Apr. 181,805 - 295 126 0 0 - 4 - 44 2,159,88					3			201	_			
Nov. 198,456 - 67 62 0 0 0 0 - 129 2,002,56 Dec. 182,246 - 16,210 677 0 0 - 0 - 149 2,002,56 2024 Jan. 182,103 - 144 42 0 0 - 0 - 145 - 71 2,061,70 Feb. 181,987 - 117 48 0 0 - 2 - 25 - 138 2,126,88 Mar. 182,100 113 344 0 0 - 7 - 5 - 218 2,213,00 Apr. 181,805 - 295 126 0 0 - 4 - 414 2,159,88					-	-	-		-			1,852,180
2024 Jan. 182,103 - 144 42 0 0 - 0 - 115 - 71 2,061,70 Feb. 181,987 - 117 48 0 0 - 2 - 25 - 138 2,126,88 Mar. 182,100 113 344 0 0 - 7 - 5 - 218 2,213,06 Apr. 181,805 - 295 126 0 0 - 4 - 44 2,159,88					0	0						2,002,568
Feb. 181.987 - 117 48 0 0 - 2 - 25 - 138 2,126,88 Mar. 182,100 113 344 0 0 - 7 - 5 - 218 2,213,00 Apr. 181,805 - 295 126 0 0 - 4 - 44 - 414 2,159,88	Dec.		- 16,210		0			0	- 2,	366	- 14,521	2,051,675
Mar. 182,100 113 344 0 0 - 7 - 5 - 218 2,213,00 Apr. 181,805 - 295 126 0 0 - 4 - 4 - 414 2,159,88							-		-			2,061,708
Apr. 181,805 – 295 126 0 0 – 4 – 4 – 414 2,159,88								2				2,126,888
								7				
ividy 167,000 - 322 167 328 - 180 2,109,90							-					
	iviay	181,553	- 322	187			I	-	-	328	- 180	2,159,986

* Excluding shares of public limited investment companies. 1 Including shares issued out of company profits. 2 All marketplaces. Source: Bundesbank calculations based on data of the Herausgebergemeinschaft Wertpapier-Mit teilungen and Deutsche Börse

AG. 3 Methodological changes since October 2019. 4 Changes due to statistical adjustments.

VIII. Capital market

5. Yields on German securities

Issue yields Yields on debt securities outstanding issued by residents 1 Public debt securities Bank debt securities Public debt securities Listed Federal securities With a residual With a residual maturity of 9 to 10 years 2 maturity of more than 9 years and up to 10 years Corporate bonds of which: Listed Federal Bank debt (non-MFIs) Total Total debt securities securities Total Total Total Total % per annum 1.61.8 1.6 3.7 1.6 1.2 0.7 1.3 1.0 0.4 1.3 1.0 0.4 2.1 1.7 1.2 1.0 0.9 1.0 3.4 3.0 2.4 1.7 2.5 2.5 1.7 2.5 2.5 1.7 4.24 4.245 4.245 4.247 4.399 4.563 3.67 3.744 3.774 3.774 3.84 $\begin{array}{c} 1.3\\ 1.1\\ 0.4\\ 0.1\\ 0.6\\ 0.1\\ 0.3\\ 0.2\\ 1.3\\ 2.55\\ 2.61\\ 2.58\\ 2.75\\ 2.86\\ 2.61\\ 2.44\\ 2.47\\ 2.47\\ 2.56\end{array}$ $\begin{array}{c} 1.2\\ 0.9\\ 0.4\\ 0.1\\ 0.2\\ 0.4\\ 0.3\\ 0.5\\ 2.5\\ 2.55\\ 2.61\\ 2.58\\ 2.75\\ 2.61\\ 2.44\\ 2.47\\ 2.56\\ 2.56\\ 2.44\\ 2.47\\ 2.56\\ 2.$ $\begin{array}{c} 1.8\\ 1.3\\ 0.7\\ 0.6\\ 0.6\\ 0.6\\ 0.4\\ 0.1\\ 1.9\\ 3.4\\ 3.31\\ 3.64\\ 3.53\\ 3.67\\ 2.87\\ 3.05\\ 3.10\\ 3.12\\ 3.18\end{array}$ 1.4 1.0 0.5 0.1 0.3 0.4 0.1 0.2 0.1 1.5 2.9 1.3 0.9 0.5 0.3 0.4 0.6 0.0 0.2 0.3 0.0 0.2 0.3 0.2 0.4 0.3 1.2 2.6 2.58 2.67 2.75 2.26 2.75 2.26 2.75 2.26 2.75 2.26 2.75 2.26 2.75 2.26 2.32 2.48 0.4 0.6 0.7 0.2 0.1 0.0 0.3 0.5 0.4 ____ _ ____ _ 0.1 0.0 0.1 1.9 3.3 3.32 3.43 3.44 3.51 3.66 0.3 0.1 0.2 1.9 3.2 3.24 3.31 3.42 3.63 3.37 2.92 2.97 3.10 3.02 _ _ 1.6 2.9 1.1 2.5 2.89 2.98 2.92 3.18 3.01 3.01 2.81 2.71 2.94 3.05 3.08 2.88 2.97 3.01 3.11 3.25 3.02 2.52 2.52 2.57 2.72 2.73 2.46 2.55 2.60 2.71 2.84 2.64 2.15 2.22 2.39 2.41 3.40 2.91 2.94 3.09 3.07 2.49 2.58 2.66 2.50 2.58 2.61 2.70 2.61 2.70 2.81 2.88 2.45 2.52 3.15 3.19 3.14 3.20

1 Bearer debt securities with maximum maturities according to the terms of issue of over 4 years. Structured debt securities, debt securities with unscheduled redemption, zero coupon bonds, floating rate notes and bonds not denominated in Euro are not included. Group yields for the various categories of securities are weighted by the amounts outstanding of the debt securities included in the calculation. Monthly figures

are calculated on the basis of the yields on all the business days in a month. The annual figures are the unweighted means of the monthly figures. Adjustment of the scope of securities included on 1 May 2020. **2** Only debt securities eligible as underlying instruments for futures contracts; calculated as unweighted averages.

6. Sales and purchases of mutual fund shares in Germany

€ million													
	Sales							Purchases					1
	Open-end o	lomestic mut	tual funds 1	(sales receipts)			Residents					
		Mutual fun general put		he					Credit institu including bui and loan ass	lding	Other secto		
			of which:								Other secto	15.5	1
Sales = total pur-			Money market	Secur- ities- based	Real estate	Special- ised	Foreign			of which: Foreign mutual fund		of which: Foreign mutual fund	Non-resi-
chases 111,236	Total 89,942	Total 2,084	funds – 1,036	funds 97	funds 3,450	funds 87,859	funds 4 21,293	Total 114,676	Total - 3,062	shares – 1,562	Total 117,738	shares 22,855	dents 5 - 3,437
123,736 137,294 189,802 149,288 148,214 108,293 171,666 165,7349 280,746 108,741 - 1,322 10,274 4,460 4,757 - 2,603 219 10,428 23,814 1,751 2,573 15,151	91,337 97,711 146,136 119,369 94,921 103,694 122,546 116,028 157,861 79,022 44,484 - 2,213 6,405 - 2,394 - 3,273 10,971 10,382 - 1,458 - 2,329 10,159	9,184 3,998 30,420 21,301 29,560 15,279 17,032 41,016 6,057 5,969 - 312 41,016 6,057 5,969 - 312 41,301 6,057 - 1,536 - 457 - 1,075 - 1,075 - 1,075	- 574 - 473 - 318 - 344 - 235 - 377 - 447 - 447 - 447 - 447 - 447 - 4482 - 33 - 33 - 280 - 115 - 130 - 93 - 156 - 144 - 156 - 126 -	862 22,345 11,131 21,970 4,166 5,097 11,343 31,023 444 4,951 - 628 - 107 785 - 843 807 - 1,448 - 406 - 688 - 610	3,376 1,000 3,636 7,384 4,406 6,168 10,580 8,795 7,841 5,071 723 271 723 271 90 - 40 - 115 - 1139 - 276 - 182 - 182 - 19 - 430 - 435 - 481	82,153 93,713 115,716 98,068 65,361 88,415 105,514 96,835 72,991 38,461 - 1,901 5,972 4,720 1,411 - 1,186 - 3,865 12,506 10,839 - 363 - 1,259 9,9,417	32,400 39,583 43,665 29,919 53,292 4,599 49,120 41,321 122,885 29,718 23,457 891 3,870 - 271 2,641 - 20 3,493 - 543 13,431 3,209 4,902	117,028 141,134 181,932 156,236 150,740 114,973 176,210 156,421 289,169 111,948 69,924 41 11,200 4,311 5,562 2,712 1,322 9,666 24,111 2,272 2,221 14,331	771 819 7,362 2,877 4,938 2,979 2,719 336 13,154 3,170 - 4,778 85 - 437 132 362 814 95 - 11 1,999 60 358 442	$\begin{array}{c} 100\\ - 1,745\\ 494\\ - 3,172\\ 1,048\\ - 2,306\\ - 812\\ - 1,656\\ 254\\ - 1,459\\ - 2,054\\ - 1,459\\ - 2,054\\ - 19\\ - 167\\ - 129\\ 106\\ - 113\\ - 288\\ 133\\ 196\\ - 162\\ - 426\\ - 226\end{array}$	116,257 140,315 174,570 153,359 145,802 111,994 173,491 156,085 276,015 108,778 - 44 111,637 4,179 5,200 - 3,526 1,227 9,677 22,112 2,212 1,863 13,889	32,300 41,328 43,171 33,091 52,244 6,905 49,932 42,977 122,631 31,177 25,511 9,100 4,037 - 142 2,535 - 96 3,781 - 556 13,235 3,047 5,328 4,766	6,710 - 3,841 7,877 - 6,944 - 2,526 - 6,688 - 4,544 - 926 - 3,207 - 1,988 - 1,365 - 926 - 1,365 - 926 - 1,365 - 926 - 1,365 - 2989 - 521 - 352 - 825 - 2521 - 2528 - 2521 - 25

1 Including public limited investment companies. 2 Book values. 3 Residual. 4 Net purchases or net sales (-) of foreign fund shares by residents; transaction values. 5 Net purchases or net sales (-) of domestic fund shares by non-residents; transaction values.

— The figures for the most recent date are provisional; revisions are not specially marked.

Period

1. Acquisition of financial assets and external financing of non-financial corporations (non-consolidated)

€ billion

				2022	2023				2024
Item	2021	2022	2023	Q4	Q1	Q2	Q3	Q4	Q1
Acquisition of financial assets									
Currency and deposits	45.36	67.77	- 0.75	23.78	- 22.94	- 12.62	24.29	10.52	- 15.5
Debt securities	2.81	4.10	6.70	0.05	4.49	1.79	1.67	- 1.25	5.8
Short-term debt securities Long-term debt securities Memo item:	2.29 0.52	1.23 2.87	1.62 5.08	- 0.22 0.26	2.00 2.49	1.06 0.73	- 0.15 1.82	- 1.29 0.04	2. 3.
Debt securities of domestic sectors	1.31	3.40	6.68	0.43	3.81	2.76	0.42	- 0.32	3.
Non-financial corporations Financial corporations	0.72	0.86	- 0.03	0.13	0.76	- 0.34	- 0.48 0.28	0.03 0.06	0. 0.
General government	- 0.48	0.74	3.51	0.34	1.63	1.66	0.62	- 0.40	1.
Debt securities of the rest of the world	1.50	0.70	0.02	- 0.38	0.68	- 0.98	1.25	- 0.93	2.
Loans	67.49	46.20	84.87	- 11.70	32.33	7.60	18.91	26.03	38.
Short-term loans Long-term loans	47.34 20.15	24.94 21.26	69.68 15.19	- 18.66	23.26 9.07	8.20	16.65 2.26	21.57	28. 10.
Memo item:	20.15								
Loans to domestic sectors	10.10	27.15	81.44	- 3.46	37.72	7.91	17.45	18.36	30.1
Non-financial corporations Financial corporations	7.11	23.94	71.35	7.51	29.88 7.34	7.51 2.27	14.72 3.04	19.24	17.9
General government	- 0.34	1.75	- 1.81	- 1.35	0.50	- 1.87	- 0.30	- 0.13	3.
Loans to the rest of the world	57.40	19.05	3.43	- 8.24	- 5.38	- 0.31	1.45	7.67	7.4
Equity and investment fund shares	145.48	104.11	37.76	24.34	- 12.63	28.67	8.53	13.18	31.6
Equity Listed shares of domestic sectors	123.72	104.06 44.06	34.30	22.35	- 13.35 - 10.51	26.34 - 0.27	7.21 4.72	14.10 - 8.26	25.
Non-financial corporations	16.89	43.79	- 13.91	- 3.82	- 10.31	- 0.32	5.06	- 8.20	2.
Financial corporations	- 1.56	0.27	- 0.41	0.11	- 0.07	0.05	- 0.34	- 0.05	1.0
Listed shares of the rest of the world	8.32 100.07	2.56 57.44	- 25.42 74.03	2.99 23.07	- 20.50 17.66	0.31 26.30	- 9.40	4.17	2.
Other equity 1 Investment fund shares	21.77	0.05	3.46	1.99	0.72	20.30	1.33	- 0.92	5.8
Money market fund shares	0.66	- 0.38	- 0.58	2.37	- 0.80	- 0.41	0.59	0.04	- 0.
Non-MMF investment fund shares	21.11	0.43	4.04	- 0.38	1.52	2.74	0.74		6.3
Insurance technical reserves	19.52					1		- 1.67	
Financial derivatives	15.54					0.70			
Other accounts receivable	64.45	18.33	79.55	130.88	88.87	- 9.40	<u> </u>	53.04	76.
Total External financing	360.65	271.05	211.86	135.43	100.63	16.75	14.36	80.11	152.8
-	1								
Debt securities Short-term securities	20.86	- 0.36	0.35	- 1.93	1.38 - 0.16	2.44	- 0.84	- 5.04 - 2.99	6.8
Long-term securities	18.35	14.52	5.03	0.76	1.54	3.14	2.41	- 2.05	5.8
Memo item:		5.05				0.50	0.50		
Debt securities of domestic sectors Non-financial corporations	9.11 0.72	5.85 0.86	0.60	- 1.61	1.62 0.76	0.50	0.56	- 2.08	2.0
Financial corporations	9.09	4.46	- 2.89	- 1.99	0.29	- 0.28	- 0.08	- 2.82	1.0
General government	0.09	- 0.07	- 0.11	0.01	0.00	- 0.07	- 0.04	- 0.00	0.0
Households Debt securities of the rest of the world	- 0.79	0.60 8.31	3.62	0.24	0.57	1.18 1.94	1.16	0.71	0.3
						1			
Loans Short-term loans	138.35 77.99	176.99 73.18	46.79 22.58	28.41	15.49 7.16	21.40 13.36	5.48 2.82	4.43	24.8
Long-term loans	60.36	103.82	24.21	45.05	8.33	8.04	2.66	5.18	6.0
Memo item:	76.00	455.70		45.04	_	16.67	10.00		
Loans from domestic sectors Non-financial corporations	76.20	155.70 23.94	81.00	15.04 7.51	50.10 29.88	16.67 7.51	10.98 14.72	3.25 19.24	31.
Financial corporations	55.94	110.61	30.27	17.77	27.60	13.60	1.32	- 12.24	18.9
General government	13.16	21.15	- 20.63	- 10.25	- 7.38	- 4.44	- 5.06	- 3.75	- 5. - 6.
Loans from the rest of the world	62.15			13.38		4.72		1.18	
Equity Listed shares of domestic sectors	61.44 26.44	16.99 57.01	2.98	1.42 0.59	- 4.77	7.18	1.91 1.80	- 1.33	- 7.
Non-financial corporations	16.89	43.79	- 13.91	- 3.82	- 13.76	- 5.08	5.06	- 10.64	2.4
Financial corporations	- 2.39	2.17	- 8.32	2.89	- 0.69	- 4.56	- 1.88	- 1.19	- 9.
General government Households	- 0.09 12.04	0.76	- 1.12	0.10	- 0.88 - 1.75	- 0.21 0.01	- 0.04	0.01	- 0.0
Listed shares of the rest of the world	12.04	- 9.46	- 4.32	- 2.61	- 1.75 2.00	7.38	- 1.33	2.45	- 0.
Other equity 1	16.11	- 30.55		3.43		4.88			
Insurance technical reserves	4.26	3.53	3.53	0.89	0.88	0.88	0.88	0.89	0.8
Financial derivatives and employee stock options	14.32	- 14.10	10.22	- 13.34	1.58	2.08	2.72	3.85	0.
Other accounts payable	139.60	64.69	59.45	20.47	10.76	3.01	3.48	42.20	- 1.
	378.83	262.27	123.33	35.91	25.31	36.98	16.04	44.99	47.

1 Including unlisted shares.

2. Financial assets and liabilities of non-financial corporations (non-consolidated)

End of year/quarter; € billion

				2022	2023				2024
tem	2021	2022	2023	Q4	Q1	Q2	Q3	Q4	Q1
Financial assets									
Currency and deposits	726.6	794.5	710.5	794.5	746.4	654.8	732.5	710.5	638
Debt securities Short-term debt securities Long-term debt securities Memo item:	54.3 7.1 47.2	53.8 8.4 45.5	62.1 9.8 52.3	53.8 8.4 45.5	58.9 10.4 48.5	60.5 11.2 49.3	62.1 11.1 51.1	62.1 9.8 52.3	68 12 55
Debt securities of domestic sectors Non-financial corporations Financial corporations General government Debt securities of the rest of the world	23.3 5.3 14.5 3.5 31.0	24.7 5.8 15.0 3.9 29.2	32.2 5.8 18.8 7.6 29.9	24.7 5.8 15.0 3.9 29.2	28.7 6.5 16.6 5.6 30.2	31.4 6.2 18.0 7.2 29.1	31.9 5.7 18.3 7.8 30.3	32.2 5.8 18.8 7.6 29.9	35 6 19 9 32
Loans Short-term loans Long-term loans Memo item:	803.0 612.9 190.1	852.9 640.1 212.7	935.7 708.2 227.5	852.9 640.1 212.7	884.0 662.4 221.6	891.0 669.9 221.1	911.2 687.5 223.7	935.7 708.2 227.5	975 736 238
Loans to domestic sectors Non-financial corporations Financial corporations General government Loans to the rest of the world	439.8 334.7 82.8 22.4 363.2	467.0 358.7 84.2 24.1 385.9	548.4 430.0 96.1 22.3 387.3	467.0 358.7 84.2 24.1 385.9	504.7 388.5 91.6 24.6 379.3	512.6 396.0 93.8 22.7 378.3	530.1 410.8 96.9 22.4 381.1	548.4 430.0 96.1 22.3 387.3	579 447 105 26 396
Equity and investment fund shares Equity Listed shares of domestic sectors Non-financial corporations Financial corporations Listed shares of the rest of the world Other equity 1 Investment fund shares Money market fund shares Non-MMF investment fund shares	2,852.2 2,612.0 393.0 384.9 8.0 74.7 2,144.3 240.2 7.6 232.6	2,607.8 2,395.2 331.8 324.5 7.4 69.8 1,993.6 212.6 7.2 205.4	2,693.3 2,457.7 334.5 326.7 7.8 48.0 2,075.2 235.6 6.9 228.7	2,607.8 2,395.2 331.8 324.5 7.4 69.8 1,993.6 212.6 7.2 205.4	2,681.7 2,463.0 361.1 353.9 7.2 51.6 2,050.4 218.6 6.5 212.1	2,705.4 2,480.0 354.8 347.0 7.8 51.4 2,073.8 225.4 6.1 219.3	2,657.2 2,431.2 330.1 322.9 7.2 41.5 2,059.5 226.0 6.8 219.3	2,693.3 2,457.7 334.5 326.7 7.8 48.0 2,075.2 235.6 6.9 228.7	2,780 2,531 359 351 8 51 2,120 249 6 242
Insurance technical reserves	64.8	41.1	44.6	41.1	47.3	46.6	45.8	44.6	55
Financial derivatives	105.9	92.2	33.4	92.2	65.1	56.9	44.7	33.4	35
Other accounts receivable	1,454.4	1,518.1	1,629.7	1,518.1	1,572.4	1,568.3	1,597.2	1,629.7	1,674
Total	6,061.2	5,960.5	6,109.3	5,960.5	6,055.7	5,983.4	6,050.8	6,109.3	6,226
Liabilities									
Debt securities Short-term securities Long-term securities Memo item:	252.3 9.6 242.7	228.7 9.3 219.4	239.7 4.5 235.2	228.7 9.3 219.4	231.2 9.1 222.1	234.8 8.4 226.4	234.8 7.5 227.3	239.7 4.5 235.2	247 247
Debt securities of domestic sectors Non-financial corporations Financial corporations General government Households Debt securities of the rest of the world	100.6 5.3 83.2 0.4 11.8 151.7	91.0 5.8 73.5 0.3 11.4 137.7	96.4 5.8 74.8 0.2 15.5 143.3	91.0 5.8 73.5 0.3 11.4 137.7	93.5 6.5 74.4 0.3 12.2 137.7	94.2 6.2 74.4 0.3 13.3 140.6	94.2 5.7 73.9 0.2 14.4 140.7	96.4 5.8 74.8 0.2 15.5 143.3	102 6 79 0 16 144
Loans Short-term loans Long-term loans Memo item:	2,429.1 904.0 1,525.1	2,613.8 981.3 1,632.5	2,654.5 999.7 1,654.8	2,613.8 981.3 1,632.5	2,626.0 986.5 1,639.5	2,646.5 999.5 1,646.9	2,653.8 1,003.8 1,649.9	2,654.5 999.7 1,654.8	2,68 1,01 1,663
Loans from domestic sectors Non-financial corporations Financial corporations General government Loans from the rest of the world	1,483.9 334.7 1,034.5 114.7 945.1	1,640.0 358.7 1,145.7 135.7 973.8	1,718.9 430.0 1,174.0 115.0 935.5	1,640.0 358.7 1,145.7 135.7 973.8	1,689.1 388.5 1,172.1 128.5 936.9	1,705.3 396.0 1,185.3 123.9 941.1	1,715.8 410.8 1,186.6 118.4 938.0	1,718.9 430.0 1,174.0 115.0 935.5	1,75 442 1,193 11(929
Equity Listed shares of domestic sectors Non-financial corporations Financial corporations General government Households Listed shares of the rest of the world Other equity 1	3,689.0 924.8 384.9 210.3 69.9 259.7 1,126.3 1,637.9	2,983.3 761.4 324.5 151.2 69.2 216.4 823.1 1,398.8	3,216.9 807.6 326.7 173.2 76.0 231.7 951.1 1,458.2	2,983.3 761.4 324.5 151.2 69.2 216.4 823.1 1,398.8	3,267.6 855.9 353.9 182.3 78.9 240.9 941.1 1,470.6	3,266.2 821.5 347.0 165.2 75.3 234.0 976.2 1,468.5	3,114.0 778.6 322.9 167.9 70.9 216.8 910.3 1,425.1	3,216.9 807.6 326.7 173.2 76.0 231.7 951.1 1,458.2	3,384 85 35 173 83 244 1,029 1,502
Insurance technical reserves	287.4	290.9	294.5	290.9	291.8	292.7	293.6	294.5	295
Financial derivatives and employee stock options	137.4	73.3	30.5	73.3	44.7	39.5	15.0	30.5	28
Other accounts payable	1,526.5	1,601.6	1,677.0	1,601.6	1,596.7	1,610.6	1,674.1	1,677.0	1,65

1 Including unlisted shares.

3. Acquisition of financial assets and external financing of households (non-consolidated)

€ billion	
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				2022	2023				2024
em	2021	2022	2023	Q4	Q1	Q2	Q3	Q4	Q1
Acquisition of financial assets									
Currency and deposits Currency	145.09 59.48	110.33 44.15	90.46 14.18	41.11 6.15	- 10.65 2.94	25.45 3.37	13.52 2.53	62.14 5.34	33.1 0.9
Deposits	85.61	66.18	76.28	34.96	- 13.59	22.08	11.00	56.80	32.
Transferable deposits	90.84	47.63	- 129.98	4.41	- 60.51	- 18.16	- 32.67	- 18.65	- 33.4
Time deposits	- 5.09	34.49	184.51	33.49	50.43	43.22	42.53	48.32	61.
Savings deposits (including savings certificates)	- 0.13	- 15.94	21.75	- 2.95	- 3.52	- 2.99	1.14	27.12	3.
Debt securities Short-term debt securities	- 5.89	25.03 2.01	65.16 11.75	11.96 1.79	29.74 7.99	20.44 5.68	14.29 2.12	0.69	8.
Long-term debt securities	- 6.20	23.02	53.40	10.17	21.74	14.76	12.12	4.73	9.
Memo item:									
Debt securities of domestic sectors	- 3.70	20.31	53.95	10.52	25.57	16.76	11.99	- 0.36	6.5
Non-financial corporations	- 0.83	0.50	3.41	0.23	0.52	1.11	1.09	0.68	0.3
Financial corporations General government	- 2.57	17.47 2.35	42.65 7.88	9.01 1.29	21.52 3.52	12.75 2.90	9.33 1.57	- 0.94	6.3 - 0.0
Debt securities of the rest of the world	- 2.19	4.72		1.44	4.17	3.69		1.05	2.
Equity and investment fund shares	136.69	78.09	36.31	15.59	12.05	9.93	8.70	5.63	15.3
Equity	31.80	26.89	0.25	4.97	0.11	0.36	0.80	- 1.02	1.1
Listed shares of domestic sectors Non-financial corporations	14.29 12.71	12.38 9.96	- 4.63 - 3.59	0.70	- 0.91	0.02 0.10	- 1.43	- 2.31	- 1. - 0.
Financial corporations	12.71	2.42	- 1.04	- 0.66	1.12	- 0.08	- 1.02	- 1.25	- 0.
Listed shares of the rest of the world	10.83	8.55	2.89	3.04	0.44	- 0.21	1.73	0.92	2.0
Other equity 1	6.69	5.96	1.99	1.23	0.57	0.56	0.50	0.37	0.1
Investment fund shares	104.88	51.19	36.07	10.62	11.94	9.57	7.91	6.65	13.6
Money market fund shares	0.19	0.82	4.39	0.44	0.43	1.47	1.67	0.82	1.4
Non-MMF investment fund shares	104.70	50.37	31.68	10.18	11.50	8.10	6.24	5.83	12.2
Non-life insurance technical reserves and provision for calls under standardised guarantees	20.31	- 0.39	1.15	- 1.69	5.43	- 0.96	- 1.07	- 2.26	10.9
5									
Life insurance and annuity entitlements	51.74	31.33	- 11.47	7.29	0.85	0.55	- 2.15	- 10.71	0.
Pension entitlement, claims of pension funds on pension managers, entitlements to non-pension benefits	27.32	48.64	41.98	11.96	14.04	5.55	11.97	10.42	3.
Financial derivatives and employee stock options	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Other accounts receivable 2	0.76	0.04	33.14	- 19.50	20.65	- 0.31	13.68	- 0.87	14.3
Total	376.00	293.06	256.73	66.72	72.10	60.66	58.94	65.03	86.9
External financing									
Loans	98.17	83.71	14.40	9.52	2.49	5.68	6.31	- 0.07	0.2
Short-term loans	0.86	2.59	- 0.90	0.10	0.74	- 0.28	- 0.50	- 0.86	- 0.
Long-term loans Memo item:	97.31	81.12	15.30	9.42	1.75	5.96	6.80	0.79	1.(
Memo item: Mortgage loans	99.89	79.73	18.85	10.55	2.73	5.91	6.43	3.79	1.3
Consumer loans	- 0.89	4.60	1.44	0.87	0.54	1.26	1.66	- 2.02	- 0.4
Entrepreneurial loans	- 0.83	- 0.61	- 5.89	- 1.90	- 0.78	- 1.49	- 1.78	- 1.84	- 1.1
Memo item:									
Loans from monetary financial institutions Loans from financial corporations other than MFIs	94.32 3.85	82.56 1.15	12.26 2.14	9.45 0.07	1.80 0.68	4.69 0.99	6.41	- 0.64	- 0.3
Loans from financial corporations other than MFIS Loans from general government and rest of the world	- 0.00					0.99		0.57 0.00	0.
Financial derivatives	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0
Other accounts payable	0.90	3.08	2.09	2.03	- 0.57	- 0.33	0.51	2.47	1.

 ${\bf 1}$ Including unlisted shares. ${\bf 2}$ Including accumulated interest-bearing surplus shares with insurance corporations.

4. Financial assets and liabilities of households (non-consolidated)

End of year/quarter; € billion

				2022	2023				2024
em	2021	2022	2023	Q4	Q1	Q2	Q3	Q4	Q1
-inancial assets									
Currency and deposits	3,007.3	3,119.7	3,219.2	3,119.7	3,107.9	3,133.4	3,148.7	3,219.2	3,254
Currency Deposits	386.8 2,620.5	431.0 2,688.7	445.2 2,774.1	431.0 2,688.7	433.9 2,674.0	437.3 2,696.1	439.8 2.708.8	445.2 2,774.1	446 2,807
Transferable deposits	1,764.4	1,811.7	1,686.3	1,811.7	1,756.0	1,737.7	1,705.0	1,686.3	1,652
Time deposits	297.3	334.8	528.7	334.8	384.2	427.6	471.9	528.7	592
Savings deposits (including savings certificates)	558.8	542.3	559.1	542.3	533.8	530.8	531.9	559.1	562
Debt securities	109.6	125.0	198.2	125.0	157.1	177.7	192.5	198.2	209
Short-term debt securities	1.8	3.9	12.5	3.9	11.9	15.9	16.4	12.5	18
Long-term debt securities Memo item:	107.8	121.1	185.7	121.1	145.2	161.8	176.1	185.7	190
Debt securities of domestic sectors	75.3	88.4	147.8	88.4	116.1	133.0	144.6	147.8	154
Non-financial corporations	9.8	9.7	13.5	9.7	10.4	11.4	12.4	13.5	14
Financial corporations	63.2	74.5	122.0	74.5	98.0	110.9	120.0	122.0	128
General government	2.2	4.2	12.3	4.2	7.8	10.7	12.2	12.3	12
Debt securities of the rest of the world	34.3	36.6	50.4	36.6	41.0	44.7	47.9	50.4	54
Equity and investment fund shares	1,900.6	1,725.3	1,930.8	1,725.3	1,824.2	1,864.9	1,837.0	1,930.8	2,064
Équity	967.8	869.3	968.1	869.3	931.1	943.0	921.8	968.1	1,027
Listed shares of domestic sectors	296.0	255.9	279.2	255.9	282.1	277.0	262.5	279.2	299
Non-financial corporations	250.4	208.7	223.9	208.7	232.3	225.6	209.5	223.9	236
Financial corporations Listed shares of the rest of the world	45.6 249.2	47.2 209.3	55.3 247.9	47.2 209.3	49.9 227.3	51.3 239.5	53.0 235.7	55.3 247.9	63 270
Other equity 1	422.6	404.1	441.0	209.3 404.1	421.7	426.6	423.6	247.9 441.0	457
Investment fund shares	932.7	856.0	962.6	856.0	893.1	921.9	915.2	962.6	1,037
Money market fund shares	2.5	3.3	7.8	3.3	3.7	5.2	7.0	7.8	9
Non-MMF investment fund shares	930.2	852.7	954.8	852.7	889.4	916.7	908.2	954.8	1,027
Non-life insurance technical reserves and provision for calls under standardised guarantees	432.5	41.4	43.7	41.4	47.2	46.1	45.0	43.7	53
Life insurance and annuity entitlements	1,162.2	1,087.1	1,141.3	1,087.1	1,108.4	1,111.8	1,077.0	1,141.3	1,158
Pension entitlement, claims of pension funds on pension managers, entitlements to non-pension benefits	986.1	1,117.7	1,161.3	1,117.7	1,132.1	1,139.8	1,141.2	1,161.3	1,167
Financial derivatives and employee stock options	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Other accounts receivable 2	27.5	26.5	35.5	26.5	26.9	27.6	26.8	35.5	37
Total	7,625.7	7,242.6	7,730.0	7,242.6	7,403.8	7,501.3	7,468.1	7,730.0	7,945
iabilities									
Loans	2,024.3	2,111.8	2,128.7	2,111.8	2,114.4	2,119.9	2,126.7	2,128.7	2,128
Short-term loans	53.0	55.5	55.1	55.5	, 56.6	56.4	55.9	55.1	54
Long-term loans	1,971.3	2,056.3	2,073.5	2,056.3	2,057.8	2,063.5	2,070.9	2,073.5	2,073
Memo item:		1	1.000	1 (222 2	1.000	1.000	1 6 4 5 5	1	
Mortgage loans Consumer loans	1,549.3 224.5	1,632.3 228.9	1,654.5 230.0	1,632.3 228.9	1,636.1 229.7	1,641.8 230.8	1,648.8 232.1	1,654.5 230.0	1,655 229
Entrepreneurial loans	250.5	228.9	230.0	228.9	229.7	230.8	232.1	230.0	229
Memo item:	250.5		277.2	250.0			2-3.5	277.2	2-75
Loans from monetary financial institutions	1,920.3	2,004.0	2,016.3	2,004.0	2,005.8	2,010.5	2,016.9	2,016.3	2,016
Loans from financial corporations other than MFIs Loans from general government and rest of the world	104.0 0.0	107.8 0.0	112.4 0.0	107.8 0.0	108.6 0.0	109.4 0.0	109.9 0.0	112.4 0.0	112 0
Financial derivatives	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
Other accounts payable	20.3	23.5	25.9	23.5	23.0	22.8	23.3	25.9	27

 ${\bf 1}$ Including unlisted shares. ${\bf 2}$ Including accumulated interest-bearing surplus shares with insurance corporations.

X. Public finances in Germany

1. General government: deficit/surplus and debt level as defined in the Maastricht Treaty

	General government	Central government	State government	Local government	Social security funds	General government	Central government	State government	Local government	Social security funds
Period	€ billion					As a percentage	of GDP			
	Deficit/surp	lus 1								
2017 2018 2019 2020 p 2021 p 2022 p 2023 pe 2022 H1 p H2 p 2023 H1 pe	+ 43.7 + 65.6 + 53.0 - 147.7 - 129.7 - 96.9 - 99.1 - 4.6 - 92.3 - 37.9	+ 21.0 + 21.5 - 87.1 - 144.2 - 124.3 - 90.5 - 36.2 - 88.0 - 43.3	+ 13.9 + 12.0 + 14.0 - 32.6 + 5.6 + 14.4 - 5.3 + 18.2 - 3.8 - 2.2	$\begin{array}{r} + 10.7 \\ + 16.7 \\ + 8.4 \\ + 6.9 \\ + 6.2 \\ + 4.7 \\ - 12.1 \\ + 5.8 \\ - 1.1 \\ - 2.9 \end{array}$	+ 11.1 + 16.0 + 9.1 - 34.8 + 2.6 + 8.3 + 8.8 + 7.7 + 0.6 + 10.4	+ 1.3 + 1.9 + 1.5 - 4.3 - 3.6 - 2.5 - 2.4 - 0.2 - 4.7 - 1.9	$\begin{array}{c} + & 0.2 \\ + & 0.6 \\ + & 0.6 \\ - & 2.6 \\ - & 4.0 \\ - & 3.2 \\ - & 2.2 \\ - & 1.9 \\ - & 4.4 \\ - & 2.1 \end{array}$	$\begin{array}{c} + & 0.4 \\ + & 0.4 \\ + & 0.4 \\ - & 1.0 \\ + & 0.2 \\ + & 0.4 \\ - & 0.1 \\ + & 1.0 \\ - & 0.2 \\ - & 0.1 \end{array}$	$\begin{array}{c} + & 0.3 \\ + & 0.5 \\ + & 0.2 \\ + & 0.2 \\ + & 0.2 \\ + & 0.1 \\ - & 0.3 \\ + & 0.3 \\ - & 0.1 \\ - & 0.1 \end{array}$	$\begin{array}{c} + & 0.3 \\ + & 0.5 \\ + & 0.3 \\ - & 1.0 \\ + & 0.1 \\ + & 0.2 \\ + & 0.2 \\ + & 0.4 \\ + & 0.0 \\ + & 0.5 \end{array}$
H2 pe	- 61.2 Debt level 2		- 3.0	- 9.2	- 1.7	- 2.9	- 2.2	- 0.1	= 0.4 End of ve	ar or quarter
2017 2018 2019 2020 p 2021 p 2022 p 2023 p 2022 Q1 p Q2 p Q3 p Q4 p 2023 Q1 p Q2 p	2,130.3 2,083.7 2,069.9 2,340.8 2,495.5 2,561.7 2,622.7 2,499.1 2,557.4 2,551.3 2,551.3 2,561.7 2,587.2 2,586.5	1,361.5 1,334.5 1,312.3 1,526.5 1,679.3 1,776.0 1,850.1 1,684.3 1,723.4 1,757.0 1,776.0 1,776.0 1,778.7 1,806.1	616.8 603.2 612.7 664.4 665.3 634.2 623.1 663.4 660.2 643.8 634.2 632.2 632.0 633.0 634.0 633.0 634.0 633.0 634.0 633.0 634.0	168.3 162.2 161.4 163.2 165.3 172.2 177.7 164.9 166.8 166.6 172.2 173.0 172.8	0.8 0.7 0.9 7.6 0.6 2.8 2.6 3.4 3.7 4.2 2.8 3.5 2.7	65.2 61.9 59.6 68.8 69.0 66.1 63.6 67.6 67.4 66.8 66.1 65.6 65.6 64.6	41.7 39.7 37.8 44.8 46.4 45.8 44.9 45.6 45.8 46.0 45.8 45.6 45.8 45.6	18.9 17.9 17.6 19.5 18.4 16.4 15.1 17.9 17.5 16.9 16.4 16.0 15.6	5.2 4.8 4.6 4.8 4.6 4.4 4.4 4.3 4.5 4.4 4.4 4.4 4.4 4.4 4.3	0.0 0.0 0.0 0.1 0.1 0.1 0.1 0.1 0.1 0.
Q3 P Q4 P 2024 Q1 P	2,627.2 2,622.7 2,635.9	1,848.6 1,850.1 1,856.3	621.6 623.1 630.8	175.5 177.7 180.6	3.8 2.6 3.0	64.6 63.6 63.4	45.5 44.9 44.6	15.3 15.1 15.2	4.3 4.3 4.3	0.1 0.1 0.1

Sources: Federal Statistical Office and Bundesbank calculations. **1** The deficit/surplus in accordance with ESA 2010 corresponds to the Maastricht definition. **2** Quarterly GDP ratios are based on the national output of the four preceding quarters.

2. General government: revenue, expenditure and deficit/surplus as shown in the national accounts *

	Revenue				Expenditure								
		of which:	_			of which:							
Period	Total	Taxes	Social con- tributions	Other	Total	Social benefits	Compen- sation of employees	Inter- mediate consumption	Gross capital formation	Interest	Other	Deficit/ surplus	Memo item: Total tax burden 1
	€ billion												·
2017 2018 2019 2020 P 2021 P 2022 P 2023 Pe	1,486.9 1,557.2 1,616.5 1,569.9 1,712.9 1,821.2 1,908.0	773.3 808.1 834.7 781.7 889.0 955.9 967.8	549.5 572.6 598.2 608.1 632.1 666.8 709.4	164.2 176.6 183.6 180.1 191.8 198.6 230.8	1,443.3 1,491.6 1,563.4 1,717.6 1,842.6 1,918.1 2,007.1	784.8 805.6 846.2 904.5 941.1 974.0 1,022.8	250.6 260.3 273.6 285.2 295.4 307.9 328.0	169.5 176.4 187.4 211.3 226.6 238.4 259.0	71.6 78.5 84.2 92.9 92.5 100.9 106.7	33.8 31.2 27.4 21.7 21.1 26.5 36.2	132.9 139.7 144.5 201.9 266.0 270.4 254.4	+ 43.7 + 65.6 + 53.0 - 147.7 - 129.7 - 96.9 - 99.1	1,329.5 1,387.7 1,440.0 1,396.7 1,528.7 1,633.4 1,685.6
	As a pero	centage o	f GDP										
2017 2018 2019 2020 P 2021 P 2022 P 2023 Pe	45.5 46.3 46.5 46.1 47.3 47.0 46.3	23.7 24.0 24.0 23.0 24.6 24.7 23.5	16.8 17.0 17.2 17.9 17.5 17.2 17.2	5.0 5.2 5.3 5.3 5.3 5.1 5.6	44.2 44.3 45.0 50.5 50.9 49.5 48.7	24.0 23.9 24.4 26.6 26.0 25.1 24.8	7.7 7.9 8.4 8.2 7.9 8.0	5.2 5.2 5.4 6.2 6.3 6.1 6.3	2.2 2.3 2.4 2.7 2.6 2.6 2.6	1.0 0.9 0.8 0.6 0.6 0.7 0.9	4.1 4.2 5.9 7.4 7.0 6.2	+ 1.3 + 1.9 + 1.5 - 4.3 - 3.6 - 2.5 - 2.4	40.7 41.2 41.4 41.0 42.3 42.1 40.9
	Percenta	ge growtl	n rates										
2017 2018 2019 2020 p 2021 p 2022 p 2023 pe	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	+ 4.6 + 4.5 + 3.3 - 6.3 + 13.7 + 7.5 + 1.2	+ 4.8 + 4.2 + 4.5 + 1.6 + 3.9 + 5.5 + 6.4	+ 0.5 + 7.6 + 4.0 - 1.9 + 6.5 + 3.6 + 16.2	+ 3.8 + 3.3 + 4.8 + 9.9 + 7.3 + 4.1 + 4.6	+ 4.0 + 2.6 + 5.1 + 6.9 + 4.1 + 3.5 + 5.0	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	+ 4.3 + 4.1 + 6.2 + 12.7 + 7.2 + 5.2 + 8.7	+ 5.1 + 9.7 + 7.2 + 10.4 - 0.5 + 9.0 + 5.7	- 9.3 - 7.8 - 12.0 - 20.8 - 3.1 + 25.8 + 36.6	+ 4.5 + 5.1 + 3.5 + 39.7 + 31.7 + 1.7 - 5.9		+ 4.7 + 4.4 + 3.8 - 3.0 + 9.4 + 6.9 + 3.2

Source: Federal Statistical Office. * Figures in accordance with ESA 2010. 1 Taxes and social contributions plus customs duties and bank levies to the Single Resolution Fund.

3. General government: budgetary development (as per the government finance statistics)

	€ billion																	
	Central, st	tate and loc	al governm	nent 1								Social sec	urity funds	2		General g	overnment,	total
	Revenue			Expenditu	re													
		of which:			of which:	3												
Period	Total 4	Taxes	Finan- cial transac- tions 5	Total 4	Person- nel expend- iture	Current grants	Interest	Fixed asset forma- tion	Finan- cial transac- tions 5	Deficit surplu		Rev- enue 6	Expend- iture	Defici ¹ surplu		Rev- enue	Expend- iture	Deficit/ surplus
2017 2018 2019	897.6 949.2 1,007.7	734.5 776.3 799.4	7.7 6.0 11.0	867.8 904.0 973.9	261.5 272.4 285.9	327.2 337.3 348.9	41.9 39.1 33.5	51.7 55.1 62.2	13.8 16.1 16.8	+	29.8 45.2 33.7	631.5 656.2 685.0	622.0 642.5 676.7	+ + +	9.5 13.6 8.3	1,414.9 1,488.1 1,571.2	1,375.6 1,429.3 1,529.2	+ 39.3 + 58.8 + 42.0
2020 2021 2022 2023 P	944.3 1,105.4 1,145.2 1,224.6	739.9 833.3 895.9 915.9	13.7 25.3 32.4 36.4	1,109.7 1,239.9 1,287.0 1,320.3	299.4 310.7 325.7 349.7	422.0 530.8 499.6 479.8	25.8 21.0 33.5 64.4	68.6 69.3 72.5 83.5	59.9 26.1 79.3 31.9	- 1 - 1	165.4 134.5 141.8 95.7	719.5 769.2 800.5 820.3	747.8 777.1 793.3 814.5	- - + +	28.3 7.9 7.2 5.9	1,516.2 1,701.6 1,772.9 1,904.7	1,709.9 1,844.0 1,907.5 1,994.5	- 193.7 - 142.4 - 134.6 - 89.8
2021 Q1 Q2 Q3 Q4	240.7 267.0 270.9 332.9	185.3 195.8 210.7 237.7	4.3 7.5 7.4 6.1	300.6 297.1 290.2 347.8	75.5 74.8 75.8 84.1	130.8 122.7 116.3 153.4	7.3 10.7 - 0.4 3.1	11.1 15.2 16.5 26.4	14.6 10.5 10.4 – 9.4		59.9 30.2 19.3 14.9	 P 182.4 P 185.9 P 183.4 P 197.3 	 P 196.3 P 197.0 P 191.9 P 190.4 	P – P – P – P +	13.9 11.1 8.6 6.9	 P 385.2 P 414.1 P 413.5 P 492.6 	 P 458.9 P 455.3 P 441.4 P 500.6 	P – 73.8 P – 41.2 P – 27.8 P – 8.0
2022 Q1 Q2 Q3 Q4	278.2 287.9 267.7 318.5	224.0 224.6 207.0 244.5	5.0 5.1 13.3 9.0	279.3 294.2 298.8 413.5	79.6 77.8 78.1 89.7	116.8 126.4 116.8 138.5	5.5 10.6 10.8 6.5	11.9 15.3 17.7 27.5	7.0 5.9 10.8 55.6	- - - -	1.0 6.2 31.0 95.0	 P 193.8 P 199.9 P 194.0 P 210.5 	 P 199.8 P 196.7 P 197.6 P 198.1 	P – P + P – P +	6.0 3.2 3.6 12.4	 P 430.7 P 444.2 P 419.2 P 486.0 	 P 437.8 P 447.2 P 453.8 P 568.5 	P – 7.1 P – 3.1 P – 34.6 P – 82.5
2023 Q1 Q2 Q3 Q4	281.9 311.6 290.5 347.5	215.4 226.3 229.6 244.6	9.3 9.4 7.2 10.6	331.8 313.4 303.1 375.0	81.3 84.7 86.5 96.7	130.7 117.7 103.2 126.3	20.1 24.2 12.6 11.5	13.6 17.8 21.0 30.9	17.8 2.2 4.5 7.4	- - - -	49.9 1.8 12.6 27.5	 P 195.4 P 199.3 P 201.5 P 218.4 	 P 200.8 P 198.9 P 205.0 P 208.7 	P – P + P – P +	5.4 0.4 3.6 9.7	 P 441.7 P 476.2 P 457.1 P 530.8 	 P 497.0 P 477.6 P 473.3 P 548.6 	P - 55.3 P - 1.4 P - 16.1 P - 17.8

Source: Bundesbank calculations based on Federal Statistical Office data. 1 Annual fig-Source: Bundesbank calculations based on rederal statistical Office data. TAnnual ing-ures based on the quarterly figures of the Federal Statistical Office, core budgets and off-budget entities which are assigned to the general government sector. **2** The annual figures do not tally with the sum of the quarterly figures, as the latter are all pro-visional. The quarterly figures for some insurance sectors are estimated. **3** The develop-ment of the types of expenditure recorded here is influenced in part by statistical changeovers. **4** Including discrepancies in clearing transactions between central, state and local government. **5** On the revenue side, this contains proceeds booked as dis-posals of equity interests and as loan repayments. On the expenditure side, this con-tains the acquisition of equity interests and loans granted. **6** Excluding central govern-ment liquidity assistance to the Federal Employment Agency.

4. Central, state and local government: budgetary development (as per the government finance statistics)

	€ billion								
	Central governmen	t		State government 2	2,3		Local government 3	3	
Period	Revenue 1	Expenditure	Deficit/surplus	Revenue	Expenditure	Deficit/surplus	Revenue	Expenditure	Deficit/surplus
2017	357.8	352.8	+ 5.0	396.7	385.5	+ 11.3	258.5	247.7	+ 10.7
2017	374.4	363.5	+ 10.9	419.6	399.8	+ 19.9	270.0	247.7	+ 9.8
2019	382.5	369.2	+ 13.3	436.3	419.3	+ 17.0	282.4	276.7	+ 5.7
2020	341.4	472.1	- 130.7	455.5	489.0	- 33.6	295.2	293.2	+ 2.0
2021	370.3	511.9	- 141.6	509.3	508.7	+ 0.5	308.0	303.4	+ 4.6
2022	399.6	515.6	- 116.0	534.8	522.5	+ 12.3	328.5	325.8	+ 2.7
2023	425.3	490.2	- 64.9	530.9	531.7	- 0.8	358.2	365.0	- 6.8
2021 Q1	75.0	127.5	- 52.5	113.7	120.7	- 7.1	61.1	69.7	- 8.6
Q2	86.4	123.5	- 37.1	122.8	122.0	+ 0.8	74.6	71.7	+ 2.9
Q3	93.9	114.7	- 20.7	125.9	120.2	+ 5.7	74.6	74.9	- 0.3
Q4	115.1	146.3	- 31.2	145.6	144.5	+ 1.2	97.6	87.0	+ 10.6
2022 Q1	94.7	114.0	- 19.3	134.6	122.7	+ 11.9	68.4	73.8	- 5.4
Q2	99.7	123.5	- 23.7	133.2	123.6	+ 9.6	81.0	77.3	+ 3.7
Q3	89.0	127.8	- 38.7	126.1	121.4	+ 4.7	81.1	80.3	+ 0.8
Q4	116.1	150.4	- 34.2	139.6	153.4	- 13.8	98.0	94.5	+ 3.5
2023 Q1	96.2	116.9	- 20.7	121.0	122.3	- 1.3	73.3	81.0	- 7.7
Q2	101.8	119.6	- 17.7	138.5	133.6	+ 4.9	87.0	86.6	+ 0.4
Q3	106.1	115.9	- 9.8	123.1	120.0	+ 3.2	87.4	91.5	- 4.1
Q4	121.2	137.8	- 16.6	146.9	154.4	- 7.5	110.4	105.8	+ 4.6

Source: Federal Ministry of Finance, Federal Statistical Office data and Bundesbank calculations. 1 Any amounts of the Bundesbank's profit distribution exceeding the reference value that were used to repay parts of the debt of central government's special funds are not included here. **2** Including the local authority level of the city states Berlin, Bremen and Hamburg. **3** Data of core budgets and off-budget entities which are assigned to the general government sector.

5. Central, state and local government: tax revenue

€ million

Γ		Central and state gove	ernment and European	Union				
	Total	Total	Central government 1	State government 1	European Union ²	Local government 3	Balance of untransferred tax shares 4	Memo item: Amounts deducted in the Federal budget 5
	734,540 776,314 799,416	629,458 665,005 684,491	336,730 349,134 355,050	271,046 287,282 298,519	21,682 28,589 30,921	105,158 111,308 114,902	- 76 + 1 + 23	27,368 26,775 25,998
	739,911 833,337 895,854 915,893	632,268 706,978 760,321 774,112	313,381 342,988 372,121 389,114	286,065 325,768 349,583 349,554	32,822 38,222 38,617 35,444	107,916 125,000 134,146 143,663	- 274 + 1,359 + 1,387 - 1,882	30,266 29,321 34,911 33,073
	224,006 224,538 205,544 241,767	189,158 190,982 174,232 205,950	92,112 94,153 84,078 101,778	87,240 86,852 80,020 95,471	9,806 9,977 10,133 8,702	24,772 34,149 33,618 41,607	+ 10,077 - 594 - 2,306 - 5,790	7,261 11,576 7,953 8,121
	220,950 221,225 230,151 243,568	186,173 186,597 195,334 206,008	93,366 94,492 98,626 102,631	83,536 82,961 87,824 95,233	9,271 9,144 8,884 8,145	26,505 35,152 34,958 47,048	+ 8,271 - 525 - 141 - 9,488	7,665 8,959 8,678 7,770
	225,304	188,806	96,283	85,277	7,246	25,910	+ 10,588	7,999
		50,321 56,035	25,108 28,526	22,328 24,387	2,885 3,121			2,486 3,986
	:	54,202 57,375	27,595 29,479	24,273 25,543	2,333 2,353			2,769 2,769

Sources: Federal Ministry of Finance, Federal Statistical Office and Bundesbank calculations. The fore deducting or adding supplementary central government transfers, regionalisation funds (local public transport), compensation for the transfer of motor vehicle tax to central government and consolidation assistance, which central government and consolidation assistance. ment remits to state government. See the last column for the volume of these amounts which are deducted from tax revenue in the Federal budget. 2 Customs duties and shares in VAT and gross national income accruing to the EU from central government tax revenue. **3** Including local government taxes in the city states Berlin, Bremen and Hamburg. Including revenue from offshore wind farms. **4** Difference between local government's share in the joint taxes received by the state government cash offices in the contract for the state government cash offices in the period in question (see Table X. 6) and the amounts passed on to local govern-ment in the same period. **5** Volume of the positions mentioned under footnote 1.

6. Central and state government and European Union: tax revenue, by type

	€ million	-										-	-	
		Joint taxes												
		Income taxe	₂₅ 2				Value addeo	d taxes (VAT)	7					Memo item:
Period	Total 1	Total	Wage tax 3	Assessed income tax 4	Corpora- tion tax 5	Invest- ment income tax 6	Total	Domestic VAT	Import VAT	Local business tax trans- fers 8	Central govern- ment taxes 9	State govern- ment taxes 9	EU customs duties	Local govern- ment share in joint taxes
2017	674,598	312,462	195,524	59,428	29,259	28,251	226,355	170,498	55,856	8,580	99,934	22,205	5,063	45,141
2018	713,576	332,141	208,231	60,415	33,425	30,069	234,800	175,437	59,363	9,078	108,586	23,913	5,057	48,571
2019	735,869	344,016	219,660	63,711	32,013	28,632	243,256	183,113	60,143	8,114	109,548	25,850	5,085	51,379
2020	682,376	320,798	209,286	58,982	24,268	28,261	219,484	168,700	50,784	3,954	105,632	27,775	4,734	50,107
2021	760,953	370,296	218,407	72,342	42,124	37,423	250,800	187,631	63,169	4,951	98,171	31,613	5,122	53,976
2022	814,886	390,111	227,205	77,411	46,334	39,161	284,850	198,201	86,649	6,347	96,652	30,097	6,829	54,565
2023	829,774	399,271	236,227	73,388	44,852	44,803	291,394	212,596	78,798	6,347	101,829	25,199	5,734	55,662
2022 Q1	203,130	96,245	56,206	20,915	11,178	7,946	73,584	54,234	19,350	615	22,252	8,975	1,459	13,972
Q2	204,740	101,822	60,363	17,194	11,246	13,019	67,763	46,755	21,008	1,521	24,441	7,564	1,630	13,758
Q3	185,552	82,392	43,431	17,598	10,724	10,639	71,164	49,323	21,841	1,471	21,657	7,115	1,753	11,320
Q4	221,464	109,652	67,205	21,704	13,186	7,557	72,339	47,889	24,451	2,740	28,302	6,444	1,987	15,514
2023 Q1	199,764	94,453	55,669	19,728	10,700	8,357	73,522	52,197	21,325	370	23,110	6,815	1,494	13,591
Q2	199,993	98,917	59,538	15,467	12,406	11,506	67,260	47,855	19,405	1,499	24,740	6,142	1,435	13,396
Q3	208,722	98,832	56,370	17,010	9,902	15,550	76,093	56,986	19,106	1,583	24,665	6,160	1,389	13,388
Q4	221,295	107,069	64,651	21,184	11,844	9,390	74,519	55,557	18,962	2,895	29,314	6,082	1,417	15,287
2024 Q1	202,975	97,423	57,101	19,102	10,141	11,080	73,613	56,469	17,144	489	23,846	6,478	1,125	14,168
2023 Apr.	53,953	23,064	19,855	- 112	1,128	2,193	19,788	13,838	5,950	1,231	7,358	2,021	492	3,633
May	59,648	23,002	19,140	- 287	937	3,212	25,870	18,726	7,144	258	8,140	1,915	463	3,613
2024 Apr.	58,136	24,043	20,954	- 361	- 155	3,604	22,567	16,494	6,073	1,354	7,685	2,041	446	3,934
May	61,173	25,453	19,929	- 308	665	5,167	24,517	17,975	6,542	244	8,208	2,285	465	3,798

Source: Federal Ministry of Finance and Bundesbank calculations. 1 This total, unlike that in Table X. 5, does not include the receipts from the equalisation of burdens levies, local business tax (less local business tax transfers to central and state governnews, local property taxes and other local government taxes, or the balance of untrans-ferred tax shares. **2** Respective percentage share of central, state and local government in revenue: wage tax and assessed income tax 42.5:42.5:15, corporation tax and non-assessed taxes on earnings 50:50:-, final withholding tax on interest income and capital gains, non-assessed taxes on earnings 44:44:12. **3** After deducting child benefits and subsidies for supplementary private pension plans. **4** After deducting employee

refunds and research grants. 5 After deducting research grants. 6 Final withholding tax on interest income and capital gains, non-assessed taxes on earnings. **7** The allocation of revenue to central, state and local government, which is adjusted at more regular intervals, is regulated in Section 1 of the Revenue Adjustment Act. Respective percent-age share of central, state and local government in revenue for 2023: 47.5:49.7:2.8. The EU share is deducted from central government's share. **8** Respective percentage share of central and state government for 2023: 41.4:58.6. **9** For the breakdown, see Table X 7 Table X. 7.

7. Central, state and local government: individual taxes

	€ million														
	Central gov	/ernment ta>	kes 1						State gover	rnment taxes	; 1		Local gove	mment taxe	5
									Tax on		Datting			of which:	
Period	Energy tax	Soli- darity surcharge	Tobacco tax	Insurance tax	Motor vehicle tax	Electri- city tax	Alcohol tax	Other	the acqui- sition of land and buildings	Inherit- ance tax	Betting and lottery tax	Other	Total	Local business tax 2	Real property taxes
2017 2018 2019	41,022 40,882 40,683	17,953 18,927 19,646	14,399 14,339 14,257	13,269 13,779 14,136	8,948 9,047 9,372	6,944 6,858 6,689	2,094 2,133 2,118	- 4,695 2,622 2,648	13,139 14,083 15,789	6,114 6,813 6,987	1,837 1,894 1,975	1,115 1,122 1,099	68,522 71,817 71,661	52,899 55,904 55,527	13,966 14,203 14,439
2020 2021 2022 2023	37,635 37,120 33,667 36,658	18,676 11,028 11,978 12,239	14,651 14,733 14,229 14,672	14,553 14,980 15,672 16,851	9,526 9,546 9,499 9,514	6,561 6,691 6,830 6,832	2,238 2,089 2,191 2,159	1,792 1,984 2,585 2,904	16,055 18,335 17,122 12,203	8,600 9,824 9,226 9,286	2,044 2,333 2,569 2,477	1,076 1,121 1,180 1,233	61,489 77,335 87,315 92,466	45,471 61,251 70,382 75,265	14,676 14,985 15,282 15,493
2022 Q1 Q2 Q3 Q4	4,452 9,092 7,103 13,020	2,840 3,518 2,571 3,049	2,372 3,648 3,742 4,467	7,175 2,872 3,059 2,567	2,594 2,433 2,325 2,147	1,785 1,722 1,598 1,725	531 505 549 606	503 651 710 722	5,061 4,406 4,100 3,555	2,827 2,238 2,138 2,023	701 661 596 611	385 259 281 254	21,492 21,318 21,463 23,043	17,454 16,839 16,792 19,298	3,577 4,077 4,249 3,380
2023 Q1 Q2 Q3 Q4	4,362 8,796 9,477 14,023	2,888 3,649 2,607 3,095	2,669 3,830 3,879 4,294	7,637 3,091 3,309 2,813	2,632 2,475 2,339 2,068	1,749 1,669 1,749 1,665	530 517 532 580	643 712 773 776	3,362 2,937 2,997 2,907	2,368 2,323 2,302 2,292	666 615 577 620	420 267 284 263	21,555 22,731 23,013 25,168	17,471 18,117 18,294 21,383	3,610 4,192 4,271 3,421
2024 Q1	4,488	3,028	2,672	8,255	2,661	1,540	520	681	2,986	2,388	651	453	22,819	18,587	3,718
2023 Apr. May	2,827 3,123	614 701	1,104 1,377	1,054 1,157	769 805	574 561	185 183	229 233	904 1,016	804 649	230 193	82 57	· ·		:
2024 Apr. May	2,777 2,918	652 789	1,404 1,493	1,116 1,285	868 882	486 450	137 151	245 241	1,016 1,051	735 940	204 202	87 91			:

Sources: Federal Ministry of Finance, Federal Statistical Office and Bundesbank calculations. **1** For the sum total, see Table X. 6. **2** Including revenue from offshore wind farms.

8. German statutory pension insurance scheme: budgetary development and assets *

	€ million								_			
	Revenue 1			Expenditure 1					Assets 3			
		of which:			of which:	_						
Period	Total	Contri- butions 2	Payments from central government	Total	Pension payments	Pensioners' health insurance	Deficit surplus		Total	Deposits 4	Securities	Memo item: Administrative assets
2017 2018 2019	299,826 312,788 327,298	211,424 221,572 232,014	87,502 90,408 94,467	299,297 308,356 325,436	255,261 263,338 277,282	18,028 18,588 20,960	+ + +	529 4,432 1,861	35,366 40,345 42,963	33,740 38,314 40,531	1,335 1,713 2,074	4,032 4,008 3,974
2020 2021 2022 2023	335,185 348,679 363,871 382,540	235,988 245,185 258,269 271,852	98,447 102,772 104,876 108,836	339,072 347,486 360,436 381,073	289,284 296,343 308,168 325,369	21,865 22,734 23,792 25,346	- + + +	3,887 1,192 3,435 1,467	39,880 42,014 46,087 48,869	38,196 40,320 44,181 46,649	1,286 1,241 1,399 1,637	3,901 3,807 3,746 3,697
2021 Q1 Q2 Q3 Q4	83,066 86,386 85,535 92,818	57,351 60,666 59,941 67,211	25,542 25,545 25,468 25,415	86,048 86,486 87,123 87,385	73,799 73,905 74,453 74,556	5,600 5,679 5,718 5,730	- - +	2,982 100 1,588 5,432	36,888 36,941 36,041 41,974	35,326 35,554 34,670 40,310	1,166 988 973 1,241	3,887 3,871 3,840 3,835
2022 Q1 Q2 Q3 Q4	86,684 90,040 89,284 96,931	60,599 63,978 62,891 70,750	25,937 25,879 26,218 25,995	86,841 87,138 92,606 93,444	74,568 74,644 79,400 79,944	5,734 5,756 6,127 6,170	- + - +	157 2,903 3,322 3,487	41,784 44,425 41,548 46,082	39,952 42,441 39,767 44,186	1,367 1,513 1,315 1,399	3,783 3,761 3,775 3,767
2023 Q1 Q2 Q3 Q4	91,370 94,735 93,776 101,578	64,171 67,459 66,300 73,852	26,972 26,942 26,950 27,041	92,422 92,585 97,619 97,967	79,330 79,177 83,549 83,678	6,142 6,165 6,513 6,520	- + - +	1,052 2,151 3,843 3,611	45,109 47,245 44,354 48,825	43,030 45,043 42,208 46,660	1,569 1,693 1,632 1,637	3,724 3,705 3,703 3,697
2024 Q1	96,340	67,378	28,344	97,801	83,894	6,560	-	1,461	46,926	44,166	2,179	3,758

Sources: German pension insurance scheme and Bundesbank calculations. * Excluding the German pension insurance scheme for mining, railway and maritime industries. The final annual figures generally differ from the total of the reported quarterly figures as the latter are not revised. **1** Including financial compensation payments. Excluding in-

vestment spending and proceeds. 2 Including contributions for recipients of government cash benefits. 3 Largely corresponds to the sustainability reserves. End of year or quarter. 4 Including cash.

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X. Public finance in Germany

9. Federal Employment Agency: budgetary development *

	€ million												_
	Revenue			Expenditure									1
		of which:			of which:							Memo item: Deficit-	
Period	Total 1	Contributions	Insolvency compen- sation levy	Total	Unemploy- ment benefit 2	Short-time working benefits 3	Job promotion 4	Insolvency benefit payment	Adminis- trative expenditure 5	Defici surplu		offsetting grant or loan from central government	
2017 2018 2019	37,819 39,335 35,285	32,501 34,172 29,851	882 622 638	31,867 33,107 33,154	14,055 13,757 15,009	769 761 772	7,043 6,951 7,302	687 588 842	6,444 8,129 6,252	+ + +	5,952 6,228 2,131		
2020 2021 2022 2023	33,678 35,830 37,831 42,245	28,236 29,571 31,651 36,058	630 1,302 1,062 748	61,013 57,570 37,530 39,233	20,617 19,460 16,588 18,799	22,719 21,003 3,779 981	7,384 7,475 7,125 7,614	1,214 493 534 1,236	6,076 6,080 6,256 7,006	- - + +	27,335 21,739 300 3,012	6,913 16,935 423 – 423	
2021 Q1 Q2 Q3 Q4	8,228 8,830 8,791 9,982	6,747 7,301 7,290 8,234	289 324 330 359	18,260 16,720 12,042 10,547	5,956 5,029 4,447 4,028	8,006 7,495 3,631 1,871	1,935 1,912 1,744 1,884	184 108 91 110	1,391 1,452 1,452 1,785	- - - -	10,033 7,890 3,251 565	- - 16,935	
2022 Q1 Q2 Q3 Q4	8,827 9,327 9,278 10,398	7,374 7,857 7,740 8,679	251 262 261 289	10,685 9,457 8,401 8,987	4,424 4,091 4,056 4,016	2,037 1,180 406 156	1,821 1,794 1,621 1,889	135 147 107 145	1,412 1,450 1,506 1,888	- - + +	1,858 130 877 1,411	- - 423	
2023 Q1 Q2 Q3 Q4	9,836 10,387 10,361 11,661	8,442 8,976 8,804 9,836	178 186 182 202	9,942 9,661 9,351 10,278	4,727 4,604 4,712 4,755	408 290 140 144	1,858 1,902 1,775 2,079	376 271 284 306	1,550 1,689 1,691 2,076	- + + +	106 726 1,010 1,382	- - - 423	
2024 Q1	10,298	8,903	183	11,237	5,511	465	2,074	380	1,729	-	939	-	

Source: Federal Employment Agency and Bundesbank calculations. * Including transfers to the civil servants' pension fund. 1 Excluding central government deficit-offsetting grant or Ioan. 2 Unemployment benefit in case of unemployment. 3 Including seasonal short-time working benefits and restructuring short-time working benefits, re-structuring measures and refunds of social contributions. 4 Vocational training, meas-

ures to encourage job take-up, rehabilitation, integration, compensation top-up payments and promotion of business start-ups. **5** Including collection charges to other social security funds, excluding administrative expenditure within the framework of the basic allowance for job seekers.

10. Statutory health insurance scheme: budgetary development

	€ million												
	Revenue 1			Expenditure 1									
		of which:			of which:			_					
Period	Total	Contri- butions	Central government funds 2	Total	Hospital treatment	Pharma- ceuticals	Medical treatment	Dental treatment 3	Remedies and therapeutic appliances	Sickness benefits	Adminis- trative expend- iture 4	Defic surpli	
2017 2018 2019	233,814 242,360 251,295	216,227 224,912 233,125	14,500 14,500 14,500	230,773 239,706 252,440	72,303 74,506 77,551	37,389 38,327 40,635	38,792 39,968 41,541	14,070 14,490 15,010	14,776 15,965 17,656	12,281 13,090 14,402	10,912 11,564 11,136	+ + -	3,041 2,654 1,145
2020 2021 2022 2023	269,158 289,270 315,248 304,441	237,588 249,734 262,367 278,742	27,940 36,977 50,223 21,896	275,268 294,602 310,594 309,596	78,531 82,748 85,061 90,891	42,906 46,199 48,354 49,653	44,131 45,058 46,379 47,157	14,967 16,335 16,737 17,593	18,133 20,163 21,259 23,214	15,956 16,612 17,947 19,112	11,864 11,727 12,418 12,681	- - + -	6,110 5,332 4,654 5,155
2021 Q1 Q2 Q3 Q4	72,970 71,964 70,592 74,020	59,338 61,819 61,899 66,678	13,303 9,965 7,942 5,767	72,660 74,492 73,569 73,209	19,631 20,287 20,748 21,340	11,175 11,275 11,756 12,043	11,564 11,536 10,730 11,252	4,069 4,219 4,060 4,062	4,564 5,085 5,085 5,290	4,287 4,120 4,004 4,200	2,967 2,850 2,849 3,109	+ - - +	310 2,529 2,977 810
2022 Q1 Q2 Q3 Q4	79,253 79,112 75,516 81,512	62,142 64,611 65,242 70,384	17,049 14,280 9,804 9,091	81,493 79,269 75,011 74,894	20,550 21,080 21,164 21,659	11,891 12,053 12,221 12,242	11,847 11,753 11,384 11,566	4,286 4,249 3,956 4,310	5,216 5,335 5,352 5,442	4,574 4,457 4,441 4,486	3,510 2,958 2,996 3,148	- - + +	2,240 158 505 6,617
2023 Q1 Q2 Q3 Q4	73,718 73,722 75,330 81,548	66,513 68,792 69,236 74,199	6,759 4,495 5,244 5,399	77,593 76,031 76,967 78,860	22,196 22,421 22,632 23,218	12,209 12,284 12,540 12,720	12,012 11,762 11,502 11,923	4,370 4,476 4,371 4,437	5,621 5,762 5,958 5,802	4,927 4,682 4,695 4,809	3,169 3,166 3,030 3,452	- - +	3,875 2,309 1,637 2,688
2024 Q1	75,004	70,700	3,617	80,253	24,066	13,319	12,519	4,599	6,148	5,148	3,069	-	5,249

Source: Federal Ministry of Health and Bundesbank calculations. 1 The final annual figures generally differ from the total of the reported quarterly figures as the latter are not revised. Excluding revenue and expenditure as part of the risk structure compensation

scheme. 2 Federal grant and liquidity assistance. 3 Including dentures. 4 Net, i.e. after deducting reimbursements for expenses for levying contributions incurred by other social security funds.

11. Statutory long-term care insurance scheme: budgetary development *

	€ million									
	Revenue		Expenditure 1							
		of which:		of which:						
Period	Total	Contributions	Total	Non-cash care benefits	Inpatient care total 2	Nursing benefit	Contributions to pension insur- ance scheme 3	Administrative expenditure	Deficit/ surplus	
2017	36,305	36,248	38,862	6,923	16,034	10,010	1,611	1,606	-	2,557
2018	37,949	37,886	41,265	7,703	16,216	10,809	2,093	1,586	-	3,315
2019	47,228	46,508	44,008	8,257	16,717	11,689	2,392	1,781	+	3,220
2020	50,622	48,003	49,284	8,794	16,459	12,786	2,714	1,946	+	1,338
2021	52,573	49,764	53,903	9,573	16,511	13,865	3,070	2,024	-	1,330
2022	57,944	52,604	60,100	10,405	20,542	14,872	3,223	2,166	-	2,156
2023	61,374	58,807	59,178	11,506	22,513	16,035	3,582	2,267	+	2,196
2021 Q1	12,093	11,831	13,344	2,355	3,971	3,387	725	512	-	1,251
Q2	12,933	12,329	13,521	2,287	4,030	3,421	745	510	-	587
Q3	12,624	12,294	13,390	2,393	4,182	3,466	783	509	-	767
Q4	14,853	13,242	13,595	2,475	4,270	3,646	788	503	+	1,258
2022 Q1	12,912	12,412	14,739	2,564	4,974	3,572	775	529	-	1,827
Q2	15,350	12,951	14,827	2,464	5,026	3,698	795	548	+	523
Q3	13,708	13,021	15,387	2,638	5,197	3,755	802	542	-	1,679
Q4	15,813	14,067	15,078	2,581	5,281	3,892	837	528	+	735
2023 Q1	14,283	13,169	14,698	2,876	5,377	3,846	843	570	-	415
Q2	14,227	13,668	14,392	2,745	5,539	3,940	869	561	-	165
Q3	15,585	15,228	14,823	2,867	5,776	4,074	891	571	+	762
Q4	16,920	16,469	15,317	2,863	5,782	4,317	949	560	+	1,603
2024 Q1	15,896	15,525	16,546	3,207	6,038	4,387	950	645	-	651

Source: Federal Ministry of Health and Bundesbank calculations. * The final annual figures generally differ from the total of the reported provisional quarterly figures as the latter are not revised. 1 Including transfers to the long-term care provident fund. 2 In-

cluding benefits for short-term care and daytime/night-time nursing care, inter alia. ${\bf 3}$ For non-professional carers.

12. Maastricht debt by creditor

	€ million										
		Banking system	ı			Domestic non-b	banks				
		Bundesbank		Domestic MFIs		Other domestic financial corpor		Other domestic	creditors	Foreign credito	rs
Period			of which:		of which:		of which:		of which:		of which:
(end of year or quarter)	Total	Total	Debt securities	Total	Debt securities	Total	Debt securities	Total	Debt securities	Total	Debt securities
2017 2018	2,130,324 2,083,675	319,159 364,731	305,301 350,487	546,063 504,476	194,619 167,506	180,104 186,346	81,125 89,794	56,798 56,071	10,456 8,725	1,028,201 972,052	941,750 892,222
2019	2,069,889	366,562	352,025	465,628	158,119	183,714	88,771	64,379	7,225	989,606	908,749
2020 2021 2022	2,340,849 2,495,538 2,561,674	522,392 716,004 742,514	507,534 700,921 727,298	505,373 497,968 509,376	157,828 144,646 128,892	191,231 191,580 210,885	99,840 103,049 126,039	54,238 51,633 58,165	8,373 7,435 10,782	1,067,615 1,038,353 1,040,734	996,417 969,245 975,548
2023 P	2,622,669	696,287	680,801	461,592	126,354	207,203	124,202	72,214	23,030	1,185,373	1,121,033
2021 Q1 Q2 Q3 Q4	2,369,872 2,419,762 2,453,545 2,495,538	561,444 620,473 669,659 716,004	546,540 605,430 654,600 700,921	480,026 481,517 484,986 497,968	162,961 151,182 152,068 144,646	190,136 189,993 191,571 191,580	99,333 99,735 101,742 103,049	63,796 53,897 54,275 51,633	8,060 7,699 8,070 7,435	1,074,470 1,073,882 1,053,054 1,038,353	1,010,641 1,008,532 987,736 969,245
2022 Q1 Q2 Q3 Q4	2,499,123 2,537,416 2,551,282 2,561,674	737,978 759,385 741,360 742,514	722,843 744,213 726,147 727,298	481,772 485,428 512,999 509,376	143,411 133,999 126,865 128,892	194,096 202,681 202,278 210,885	106,165 115,577 116,268 126,039	50,834 53,612 55,917 58,165	6,959 8,086 8,987 10,782	1,034,442 1,036,310 1,038,727 1,040,734	967,915 970,547 968,178 975,548
2023 Q1 p Q2 p Q3 p Q4 p	2,587,201 2,586,471 2,627,247 2,622,669	741,587 719,981 706,113 696,287	726,326 704,639 690,704 680,801	480,650 458,449 455,180 461,592	129,372 125,988 126,626 126,354	208,934 209,153 208,036 207,203	124,777 124,769 124,077 124,202	63,478 65,763 67,819 72,214	16,123 20,879 23,354 23,030	1,092,551 1,133,126 1,190,099 1,185,373	1,029,541 1,069,341 1,124,411 1,121,033
2024 Q1 P	2,635,910	683,097	667,557	458,913	128,892	204,031	123,217	76,303	24,400	1,213,567	1,150,545

Source: Bundesbank calculations based on data from the Federal Statistical Office.

13. Maastricht debt by instrument

	€ million							
			Debt securities by orig	ginal maturity	Loans by original mat	urity	Memo item: 2	
Period (end of year or quarter)	Total	Currency and deposits 1	Short-term debt securities (up to one year)	Long-term debt securities (more than one year)	Short-term loans (up to one year)	Long-term loans (more than one year)	Debt vis-à-vis other government subsectors	Claims vis-à-vis other government subsectors
	General govern	ment						
2017 2018	2,130,324 2,083,675	14,298 14,680	48,789 52,572	1,484,462 1,456,160	88,841 79,171	493,934 481,091	· ·	· ·
2019	2,069,889	14,449	56,350	1,458,540	64,464	476,086		
2020 2021 Q1	2,340,849 2,369,872	14,486 12,283	173,851 190,039	1,596,141 1,637,496	85,384 62,705	470,987 467,348		· ·
Q2	2,419,762	13,065	182,676 192,489	1,689,902	69,170	464,949		
Q3 Q4	2,453,545 2,495,538	13,565 17,743	192,489	1,711,727 1,729,876	70,496 88,481	465,268 464,017		
2022 Q1 Q2	2,499,123 2,537,416	15,676 17,793	172,809 161,844	1,774,484 1,810,578	70,930 76,484	465,223 470,717	:	
Q3 Q4	2,551,282 2,561,674	22,631 16,985	149,825 150,371	1,796,620 1,818,189	82,049 112,199	500,157 463,932		
2023 Q1 P	2,587,201	14,994	145,736	1,880,403	83,437	462,631		
Q2 P Q3 P	2,586,471 2,627,247	14,990 17,760	154,379 165,992	1,891,236 1,923,180	66,864 59,627	459,003 460,688	:	
Q4 p 2024 Q1 p	2,622,669 2,635,910	16,514 14,910	148,889 135,667	1,926,532 1,958,944	66,232 62,540	464,502 463,849	· ·	· ·
2024 Q1 P	Central govern		155,007	1,558,544	02,540	403,849		' ·
2017	1,361,492	14,298	36,297	1,131,896	48,305	130,696	1,131	10,618
2018 2019	1,334,500 1,312,338	14,680 14,449	42,246 38,480	1,107,140 1,101,866	43,067 29,956	127,367 127,587	933 605	9,975 10,301
2020	1,526,491	14,486	154,498	1,180,683	48,414	128,410	609	14,521
2021 Q1 Q2	1,552,060 1,602,137	12,283 13,065	167,485 165,374	1,212,495 1,259,206	31,284 36,297	128,513 128,195	604 647	22,929 29,448
Q3 Q4	1,630,056 1,679,310	13,565 17,743	170,962 176,428	1,280,586 1,300,416	37,116 57,779	127,826 126,943	693 618	31,382 8,078
2022 Q1 Q2	1,684,290 1,723,415	15,676 17,793	155,123 147,681	1,340,340 1,373,616	41,680 47,196	131,472 137,129	576 623	10,430 10,491
Q3	1,757,005	22,631	144,999	1,369,628	55,559	164,188	828	13,101
Q4 2023 Q1 P	1,775,982 1,798,688	16,985 14,994	146,989 140,641	1,391,638 1,456,147	93,352 59,981	127,017 126,926	8,815 3,664	9,011 10,500
Q2 P Q3 P	1,806,085 1,848,614	14,990 17,760	150,168 161,140	1,471,888 1,503,891	41,802 38,943	127,237 126,880	2,889 6,373	11,235 9,852
Q4 P	1,850,057	16,514	144,507	1,511,599	51,457	125,980	15,858	9,103
2024 Q1 p	1,856,300 State governme	14,910 2nt	129,404	1,533,118	51,608	127,259	18,539	10,437
2017	616,785	-	12,543	354,688	19,790	229,764	14,038	2,046
2018 2019	603,166 612,698		10,332 17,873	351,994 360,495	19,250 19,076	221,590 215,254	14,035 14,934	1,891 1,826
2020	664,421	-	19,354	419,862	19,481	205,724	11,924	1,410
2021 Q1 Q2	667,651 667,940		22,556 17,304	429,623 435,709	14,375 16,178	201,097 198,750	10,942 12,454	1,995 2,041
Q3 Q4	673,373 665,250		21,528 18,994	436,499 434,930	16,334 14,074	199,012 197,252	11,414 12,441	2,110 1,772
2022 Q1	663,426	-	17,688	439,767	12,533	193,438	11,634	1,915
Q2 Q3	660,169 643,826	-	14,166 4,828	442,621 432,653	12,404 14,873	190,979 191,472	11,393 14,067	1,742 2,147
Q4 2023 Q1 P	634,151 631,953		3,384 5,099	432,186 429,985	9,881 10,976	188,700 185,893	11,585 11,918	1,719 2,360
Q2 P Q3 P	624,231 621,611	-	4,215 4,856	424,818 424,945	11,908 8,727	183,291 183,084	13,336 11,049	2,041 2,629
Q4 p	623,057	-	4,392	421,349	12,631	184,684	11,519	5,357
2024 Q1 p	630,848 Local governm	- ent	6,272	432,381	11,585	180,610	12,385	12,405
2017	168,304	-	-	3,082	24,909	140,313	1,881	466
2018 2019	162,175 161,367	-	1	3,046 2,996	20,903 19,607	138,225 138,763	1,884 1,856	497 532
2020	163,163	-	-	3,366	18,520	141,276	1,402	330
2021 Q1 Q2	163,189 164,321			3,121 3,121	17,998 18,969	142,070 142,231	2,009 2,070	325 323
Q3 Q4	163,772 165,316	-		3,000 3,241	18,156 18,011	142,616 144,064	2,127 1,813	321 313
2022 Q1	164,860	-	-	3,052	17,532	144,276	1,884	349
Q2 Q3	166,840 166,624			2,902 2,856	17,566 15,623	146,373 148,145	1,724 2,098	370 392
Q4 2023 Q1 P	172,244 173,042	-		2,896 2,883	17,917 17,102	151,431 153,057	1,614 2,163	399 422
Q2 P Q3 P	172,832 175,462	-	-	2,983 2,988 2,825	17,678 18,287	152,166	1,746	748
Q4 p	177,735	-	-	2,884	17,295	154,350 157,557	2,385	798
2024 Q1 p	180,561	-	-	2,723	18,243	159,595	2,392	825
	For footnotes see end	- 4 + - - -						

For footnotes see end of table.

13. Maastricht debt by instrument (cont'd)

	€ million													
			Debt securities by orig	ginal maturity	Loans by original mat	urity	Memo item: 2							
Period (end of year or quarter)	Total	Currency and deposits ¹	Short-term debt securities (up to one year)	Long-term debt securities (more than one year)	Short-term loans (up to one year)	Long-term loans (more than one year)	Debt vis-à-vis other government subsectors	Claims vis-à-vis other government subsectors						
	Social security	B07 - - 262 545 15 704 - - - 388 316 16												
2017 2018 2019	807 704 899				262 388 375	545 316 524	15 16 16	3,934 4,506 4,753						
2020	7,641	-	-	-	7,128	513	6,931	4,606						
2021 Q1 Q2 Q3 Q4	16,381 21,395 24,449 553	- - -	- - -		15,985 20,995 24,053 131	395 400 395 422	15,853 20,860 23,872 19	4,160 4,220 4,292 4,729						
2022 Q1 Q2 Q3 Q4	3,378 3,690 4,151 2,755	- - -	- - -		2,883 3,098 3,459 608	496 592 692 2,147	2,739 2,958 3,330 1,442	4,140 4,095 4,683 12,328						
2023 Q1 P Q2 P Q3 P Q4 P	3,527 2,736 3,754 2,624	- - -	- - -		1,411 595 1,600 742	2,115 2,141 2,154 1,882	2,263 1,442 2,442 1,042	6,728 5,389 8,917 15,547						
2024 Q1 p	3,036	-	-	-	1,195	1,841	1,519	11,168						

Source: Bundesbank calculations based on data from the Federal Statistical Office and the Federal Republic of Germany - Finance Agency. 1 Particularly liabilities resulting from coins in circulation. 2 Besides direct loan relationships, claims and debt vis-à-vis

other government subsectors also comprise securities holdings purchased on the market. No entry for general government as debt and claims are consolidated between different government subsectors.

14. Maastricht debt of central government by instrument and category

	€ million												
		Currency and	d deposits 2	Debt securiti	es								
			of which: 3		of which: 3								
Period (end of year or quarter)	Total 1	Total 1	Federal day bond	Total 1	Conventional Federal bonds (Bunds)	Conventional Federal notes (Bobls)	Conventional Federal Treasury notes (Schätze) 4	Treasury discount paper (Bubills) 5	Federal savings notes	Green Federal securities	Inflation- linked Federal securities 6	Capital indexation of inflation- linked securities	Loans 1
2007 2008 2009	987,909 1,019,905 1,086,173	6,675 12,466 9,981	3,174 2,495	917,584 928,754 1,013,072	564,137 571,913 577,798	173,949 164,514 166,471	102,083 105,684 113,637	37,385 40,795 104,409	10,287 9,649 9,471		13,464 19,540 24,730	506 1,336 1,369	63,650 78,685 63,121
2010 2011 2012 2013 2014	1,337,160 1,346,869 1,390,377 1,392,735 1,398,472	10,890 10,429 9,742 10,582 12,146	1,975 2,154 1,725 1,397 1,187	1,084,019 1,121,331 1,177,168 1,192,025 1,206,203	602,624 615,200 631,425 643,200 653,823	185,586 199,284 217,586 234,759 244,633	126,220 130,648 117,719 110,029 103,445	85,867 58,297 56,222 50,004 27,951	8,704 8,208 6,818 4,488 2,375	· · · · · · · · · · · · · · · · · · ·	35,906 44,241 52,119 51,718 63,245	2,396 3,961 5,374 4,730 5,368	242,251 215,109 203,467 190,127 180,123
2015 2016 2017 2018 2019	1,371,933 1,365,579 1,361,492 1,334,500 1,312,338	13,949 15,491 14,298 14,680 14,449	1,070 1,010 966 921 –	1,188,463 1,179,062 1,168,193 1,149,386 1,140,346	663,296 670,245 693,687 710,513 719,747	232,387 221,551 203,899 182,847 174,719	96,389 95,727 91,013 86,009 89,230	18,536 23,609 10,037 12,949 13,487	1,305 737 289 48	· · · · · · · · · · · · · · · · · · ·	74,495 66,464 72,855 64,647 69,805	5,607 3,602 4,720 5,139 6,021	169,521 171,026 179,001 170,435 157,543
2020 2021 2022 2023 p	1,526,491 1,679,310 1,775,982 1,850,057	14,486 17,743 16,985 16,514		1,335,181 1,476,844 1,538,628 1,656,105	801,910 892,464 947,349 1,045,613	179,560 190,839 198,084 216,276	98,543 103,936 113,141 119,180	113,141 153,978 137,990 135,469		9,876 21,627 36,411 53,965	58,279 65,390 72,357 60,470	3,692 6,722 15,844 14,686	176,824 184,722 220,369 177,438
2021 Q1 Q2 Q3 Q4	1,552,060 1,602,137 1,630,056 1,679,310	12,283 13,065 13,565 17,743	· · ·	1,379,980 1,424,579 1,451,549 1,476,844	814,864 861,455 869,195 892,464	189,935 184,413 198,692 190,839	103,910 104,997 105,398 103,936	134,800 139,451 146,533 153,978	· · · · · · · · · · · · · · · · · · ·	11,026 16,526 19,824 21,627	60,687 62,569 63,851 65,390	3,857 5,056 5,456 6,722	159,797 164,492 164,942 184,722
2022 Q1 Q2 Q3 Q4	1,684,290 1,723,415 1,757,005 1,775,982	15,676 17,793 22,631 16,985		1,495,463 1,521,297 1,514,627 1,538,628	911,280 937,949 918,838 947,349	204,534 198,472 208,509 198,084	108,702 111,343 111,675 113,141	140,427 138,495 137,740 137,990	· · ·	23,961 29,425 35,527 36,411	67,776 70,217 71,498 72,357	7,809 11,209 12,879 15,844	173,152 184,325 219,747 220,369
2023 Q1 p Q2 p Q3 p Q4 p	1,798,688 1,806,085 1,848,614 1,850,057	14,994 14,990 17,760 16,514	· · ·	1,596,787 1,622,056 1,665,030 1,656,105	987,363 1,007,004 1,021,675 1,045,613	213,514 211,742 226,340 216,276	120,904 124,160 125,255 119,180	127,143 139,012 148,407 135,469	· · · · · · · · · · · · · · · · · · ·	39,459 50,243 52,763 53,965	73,591 59,227 59,923 60,470	15,497 13,604 13,863 14,686	186,907 169,039 165,823 177,438
2024 Q1 p	1,856,300	14,910	.	1,662,522	1,054,941	226,133	119,517	119,164	.	58,565	60,312	14,048	178,867

Sources: Federal Republic of Germany - Finance Agency, Federal Statistical Office, and Bundesbank calculations. **1** Comprises all of central government, i.e. all off-budget entities in addition to the core budget, including the government-owned bad bank FMS Wertmanagement and liabilities attributed to central government from an economic perspective under the European System of Accounts (ESA) 2010. **2** Particularly liabilities resulting from coins in circulation. **3** Issuances by the Federal Republic of Germany. Excluding issuers' holdings of own securities but including those held by other government entities. **4** Including medium-term notes issued by the Treuhand agency (expired in 2011). **5** Including Federal Treasury financing papers (expired in 2014). **6** Excluding inflation-induced indexation of capital.

1. Origin and use of domestic product, distribution of national income

							2022		2023				2024
	2021	2022	2023	2021	2022	2023	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Item	Index 201	15=100		Annual p	ercentage	change							
At constant prices, chained													
I. Origin of domestic product Production sector (excluding construction)	108.2	107.6	106.0	7.4	- 0.5	- 1.5	0.3	- 2.1	1.2	- 1.2	- 3.3	- 2.7	- 4.7
Construction Wholesale/retail trade, transport and	97.4	94.1	93.7	- 5.3	- 3.3	- 0.4	- 4.9	- 7.0	- 1.9	- 1.1	0.8	0.3	- 0.9
storage, hotel and restaurant services Information and communication Financial and insurance activities Real estate activities Business services 1 Public services, education and health Other services	102.8 130.1 100.8 102.6 109.7 106.8 90.3	106.3 136.5 105.0 103.5 112.5 109.6 95.7	105.2 140.4 103.9 104.7 113.1 111.1 97.7	1.2 7.8 6.8 1.4 4.6 1.2 0.2	3.3 5.0 4.2 0.8 2.6 2.7 6.0	- 1.0 2.8 - 1.1 1.1 0.5 1.4 2.0	1.6 6.8 2.9 0.8 1.0 2.5 2.4	- 0.9 3.8 6.3 - 0.3 1.0 3.1 5.7	0.3 2.8 1.5 0.9 - 0.1 3.0 2.1	- 1.7 3.2 - 0.7 0.6 0.5 1.3 1.4	- 1.3 2.5 - 1.4 1.6 0.7 0.4 1.5	- 1.2 2.9 - 3.7 1.4 0.9 0.9 3.1	- 0.5 1.9 - 1.2 1.2 0.7 0.8 1.7
Gross value added	106.1	107.9	107.9	3.3	1.7	0.1	1.3	0.3	1.0	- 0.0	- 0.5	- 0.2	- 0.9
Gross domestic product 2	106.3	108.2	108.0	3.2	1.8	- 0.2	1.2	0.2	0.5	- 0.3	- 0.5	- 0.4	- 0.9
II. Use of domestic product Private consumption ³ Government consumption Machinery and equipment Premises Other investment 4 Changes in inventories 5,6	102.4 117.5 103.4 110.0 116.7	106.4 119.3 107.5 108.0 115.8	105.6 118.1 110.5 105.1 115.1	1.5 3.1 2.8 – 2.6 2.1 0.9	3.9 1.6 4.0 - 1.8 - 0.7 0.7	- 0.7 - 1.0 2.8 - 2.7 - 0.6 - 0.3	1.8 0.1 9.5 - 1.6 - 1.3 1.7	0.2 0.1 4.9 - 4.8 1.0 1.3	- 0.1 - 2.3 7.1 - 4.1 - 0.8 0.2	- 0.6 - 2.6 4.5 - 2.4 - 0.8 0.2	- 1.6 0.0 1.4 - 2.0 - 0.6 - 0.8	- 0.4 0.8 - 1.0 - 2.3 - 0.3 - 0.8	0.0 1.5 - 4.4 - 2.1 - 0.5 - 0.9
Domestic demand Net exports 6 Exports Imports	108.4 111.8 118.0	111.8 115.5 125.9	110.7 114.8 122.8	2.5 0.9 9.7 8.9	3.2 - 1.2 3.3 6.6	- 1.1 0.8 - 0.7 - 2.4	3.1 - 1.8 5.3 10.3	1.2 - 0.9 - 0.2 1.8	- 0.5 0.8 3.0 1.6	- 0.7 0.4 - 0.3 - 1.1	- 1.7 1.3 - 2.6 - 5.2	- 1.3 1.0 - 2.7 - 4.7	- 1.2 0.3 - 2.8 - 3.8
Gross domestic product 2	106.3	108.2	108.0	3.2	1.8	- 0.2	1.2	0.2	0.5	- 0.3	- 0.5	- 0.4	- 0.9
At current prices (€ billion) III. Use of domestic product Private consumption 3 Government consumption Machinery and equipment Premises Other investment 4 Changes in inventories 5	1,785.5 796.8 227.5 406.5 136.5 69.4	1,979.3 850.9 253.4 463.5 139.3 114.1	2,090.6 891.5 275.1 486.0 141.9 50.2	4.5 6.3 4.8 5.7 3.8	10.9 6.8 11.4 14.0 2.1	5.6 4.8 8.6 4.9 1.9	9.3 5.7 18.1 13.3 1.9	8.5 5.8 13.1 9.9 2.2	8.1 2.1 15.1 10.0 1.6	6.3 4.2 11.3 5.3 1.9	4.4 6.8 6.4 3.4 2.1	4.0 5.9 3.3 1.2 1.9	2.9 7.4 - 1.9 0.1 1.0
Domestic use Net exports Exports Imports	3,422.2 195.3 1,710.3 1,515.0	3,800.5 76.3 1,974.2 1,897.9	3,935.3 186.9 1,973.3 1,786.4	6.7 15.6 18.2	11.1 15.4 25.3	3.5 - 0.0 - 5.9	11.3 19.0 33.3	8.1 9.1 13.4	5.8 7.9 4.7	3.8 0.4 - 4.6	1.9 - 4.6 -12.9	2.9 - 3.3 - 9.1	2.0 - 2.3 - 6.4
Gross domestic product ²	3,617.5	3,876.8	4,122.2	6.3	7.2	6.3	5.8	6.2	7.4	6.2	6.2	5.6	3.6
IV. Prices (2015=100) Private consumption Gross domestic product Terms of trade	108.8 112.5 99.8	116.1 118.4 95.0	123.5 126.1 99.1	3.0 3.0 - 2.9	6.7 5.3 – 4.9	6.4 6.5 4.3	7.4 4.5 - 6.5	8.3 6.0 – 1.9	8.2 6.9 1.7	6.9 6.6 4.4	6.0 6.7 6.7	4.5 6.0 4.2	2.9 4.6 3.2
V. Distribution of national income Compensation of employees Entrepreneurial and property income	1,918.3 851.0	2,023.6 867.4	2,159.4 921.9	3.5 19.5	5.5 1.9	6.7 6.3	4.3 3.8	5.4 - 0.6	6.7 9.0	7.1 9.5	7.2 5.7	6.0 1.0	6.2 - 5.7
National income	2,769.3	2,890.9	3,081.4	7.9	4.4	6.6	4.2	3.7	7.4	7.8	6.7	4.7	2.2
Memo item: Gross national income	3,756.8	4,027.6	4,287.8	7.3	7.2	6.5	5.8	6.0	7.2	6.5	6.6	5.6	3.1

Source: Federal Statistical Office; figures computed in May 2024. **1** Professional, scientific, technical, administration and support service activities. **2** Gross value added plus taxes on products (netted with subsidies on products). **3** Including non-profit institutions serving households. **4** Intellectual property rights (inter alia, computer soft ware and entertainment, literary or artistic originals) and cultivated assets. **5** Including net increase in valuables. **6** Contribution of growth to GDP.

2. Output in the production sector *

Adjusted for working-day variations o

	Adjusted for v	Adjusted for working-day variations •											
		of which:											
				Industry									
					of which: by r	main industrial	grouping		of which: by e	economic secto	r		
	Production sector, total	Construc- tion	Energy	Total	Inter- mediate goods	Capital goods	Durable goods	Non- durable goods	Manu- facture of basic metals and fabricated metal products	Manu- facture of computers, electronic and optical products and electrical equipment	Macinery and equipment	Motor vehicels, trailers and semi- trailers	
	2021 = 10	00											
% of total 1 Period	100	17.08	8.21	74.71	27.84	33.97	2.53	10.36	9.71	9.59	11.83	12.21	
2020 2021 2022 2023	95.9 99.3 98.7 97.0	101. 99. 96. 95.	1 99.9 7 98.7	99.3 99.2	91.9 99.4 96.3 90.7	96.7 99.2 101.1 106.4	93.5 99.2 101.0 93.5	97.5 99.4 100.1 95.6	91.0 99.4 97.3 93.5	90.0 99.3 102.9 103.7	92.6 99.3 100.2 99.3	101.7 99.0 103.0 116.1	
2023 Q1 Q2 Q3 Q4	97.1 97.9 95.7 97.2	82. 98. 100. 101.	4 77.7 2 72.8 4 90.6	100.0 97.2	94.5 92.7 90.7 84.8	106.6 108.0 103.1 107.9	98.3 92.5 92.1 91.1	95.7 95.2 96.6 94.9	95.9 95.9 93.4 88.8	105.8 103.9 104.4 100.9	96.2 99.5 98.8 102.7	124.2 121.5 107.1 111.6	
2024 Q1 ×	92.2	80.	4 90.7	95.0	89.3	99.8	89.0	96.1	90.5	95.5	89.8	111.1	
2023 May June	97.3 99.3	98. 100.	0 72.4	102.1	92.4 93.4	107.9 111.0	91.1 93.9	93.1 98.2	95.5 96.7	102.3 108.0	97.8 105.4	124.4 120.5	
July 2 Aug. 2 Sep.	97.6 89.5 100.0	105 94 101	3 71.5	90.4	92.4 87.6 92.1	104.0 91.8 113.4	91.4 84.7 100.3	97.6 94.7 97.4	94.2 89.7 96.4	104.1 100.8 108.3	99.4 89.4 107.6	108.7 90.3 122.3	
Oct. Nov. Dec.	98.3 102.1 91.1	101. 103. 99.	4 91.1	103.0	91.7 91.2 71.5	105.9 114.5 103.3	96.2 97.2 79.8	98.2 98.7 87.7	95.1 95.2 76.0	103.8 105.0 93.8	95.5 103.1 109.6	116.7 128.4 89.8	
2024 Jan. × Feb. ×	83.7 90.8	63 81	0 99.0 0 86.0	86.8 93.5	84.3 87.7	87.5 98.7	81.3 89.7	92.3 93.0	85.1 88.6	89.9 93.0	80.1 87.7	95.0 112.9	
Mar. × Apr. × May ×,p	102.0 93.5 90.8	97. 93. 91.	1 80.1	95.1	95.9 88.5 86.5	113.2 101.2 96.6	95.9 87.5 81.5	103.1 94.7 95.5	97.9 89.8 87.4	103.7 92.6 87.6	101.6 88.6 84.8	125.5 117.7 107.9	
	Annual pe	ercentage	change		•	•	•	•	•	•	•		
2020 2021 2022 2023	- 7.7 + 3.5 - 0.6 - 1.7	+ 2 - 2 - 2 - 1	3 + 3.1 4 - 1.2	+ 4.7	- 6.9 + 8.2 - 3.1 - 5.8	- 14.0 + 2.6 + 1.9 + 5.2	- 8.2 + 6.1 + 1.8 - 7.4	- 3.8 + 1.9 + 0.7 - 4.5	- 11.9 + 9.2 - 2.1 - 3.9	- 7.4 + 10.3 + 3.6 + 0.8	- 13.5 + 7.2 + 0.9 - 0.9	- 20.1 - 2.7 + 4.0 + 12.7	
2023 Q1 Q2 Q3 Q4	+ 0.4 - 0.3 - 2.9 - 4.1	- 2. - 0. + 0. - 2.	2 – 18.3 1 – 20.7 1 – 7.2	+ 1.6 - 1.7 - 4.2	- 5.8 - 6.2 - 5.8 - 5.4	+ 11.7 + 9.8 + 2.8 - 2.3	- 1.5 - 8.6 - 8.7 - 10.6	- 4.7 - 2.1 - 4.1 - 6.9	- 3.7 - 3.3 - 3.4 - 5.3	+ 5.6 + 3.5 - 1.2 - 4.4	+ 2.6 + 2.0 - 1.0 - 6.2	+ 27.0 + 20.7 + 5.9 - 0.7	
2024 Q1 ×	- 5.0	- 2			- 5.5	- 6.3	- 9.5	+ 0.4	- 5.6	- 9.7	- 6.7	- 10.5	
2023 May June	+ 0.4 - 1.9 - 2.3	+ 0.	9 – 19.8	1	- 6.0 - 6.2	+ 12.4 + 5.4	- 9.4 - 7.8	- 3.5 - 1.6 - 0.5	- 2.9 - 3.7	+ 3.0 + 3.8	+ 3.1 - 0.3	+ 25.8 + 11.8	
July 2 Aug. 2 Sep.	- 2.3 - 2.3 - 3.9	+ 1. - 0. - 0.	8 – 20.3	- 0.7	- 6.6 - 4.7 - 6.0	+ 3.5 + 4.1 + 1.1	- 6.5 - 9.3 - 10.0	- 0.5 - 2.5 - 8.9	- 4.4 - 1.2 - 4.4	$ \begin{array}{c} \pm & 0.0 \\ \pm & 0.0 \\ - & 3.4 \end{array} $	+ 0.8 - 3.2 - 0.8	+ 6.4 + 13.7 + 0.5	
Oct. Nov. Dec.	- 4.0 - 4.5 - 3.7	- 3. - 2. - 0.	8 – 7.4	- 3.7 - 4.5 - 4.5	- 5.4 - 6.2 - 4.5	- 0.7 - 2.6 - 3.5	- 10.6 - 10.8 - 10.4	- 7.7 - 5.9 - 7.0	- 6.1 - 5.3 - 4.3	- 2.6 - 7.1 - 3.3	- 6.7 - 5.8 - 6.0	+ 4.0 - 1.6 - 5.0	
2024 Jan. × Feb. × Mar. ×	- 5.3 - 5.6 - 4.3	- 6. - 1. - 0.	6 – 9.3	- 6.1	- 6.5 - 5.5 - 4.5	- 5.4 - 8.4 - 5.3	- 10.2 - 7.4 - 10.8	- 0.5 + 1.0 + 0.8	- 5.2 - 5.8 - 5.7	- 8.0 - 9.6 - 11.1	- 5.4 - 8.0 - 6.4	- 9.6 - 13.0 - 8.9	
Apr. × May ×,p	- 3.7 - 6.7	- 3. - 7.	9 - 6.2	- 3.5	- 4.2 - 6.4	- 3.7 - 10.5	- 5.5 - 10.5	+ 0.3 + 2.6	- 6.0	- 8.6 - 14.4	- 7.0 - 13.3	- 1.5 - 13.3	

Source of the unadjusted figures: Federal Statistical Office. * For explanatory notes, see Statistical Series - Seasonally adjusted business statistics, Tabels III.1.a to III.1.c σ Using JDemetra+ 2.2.2 (X13). 1 Share of gross value added at factor cost of the production sector in the base year 2021. 2 Influenced by a change in holiday dates. x Provisional;

estimated and adjusted in advance by the Federal Statistical Office to the results of the Quarterly Production Survey and the Quarterly Survey in the specialised construction industry, respectively.

3. Orders received by industry *

Adjusted for working-day variations •

	Adjusted for v	vorking-day va														
			of which:													_
										- I	of which:					—
	Industry		Intermediate	Ī	Capital goods		Consur	ner goc		\rightarrow	Durable goods			Non-durable g		
Period	2021 = 100	Annual percentage change	2021 = 100	Annual percentage change	2021 = 100	Annual percentag change	e 2021 =	: 100	Annual percentag change		2021 = 100	Annual percent change	tage	2021 = 100	Annual percen change	tage
	Total															
2021 2022 2023	99.4 105.1 101.2	+ 22.7 + 5.7 - 3.7	99.4 110.3 100.0	+ 27.3 + 11.0 - 9.3	101.1	+		99.4 109.6 105.1	+ 1	1.2 0.3 4.1	99.4 113.2 100.4	+ + -	17.8 13.9 11.3	99.3 108.0 107.3	+ + -	8.2 8.8 0.6
2023 May June	100.6 113.0	- 2.6 + 4.8	99.2 102.0	- 10.8 - 10.2			1.5 7.6	99.1 108.2		9.1 6.3	91.8 105.3		26.7 8.5	102.4 109.5	+ -	0.7 5.4
July Aug. Sep.	95.7 89.8 98.6	- 10.1 - 5.9 - 4.3	94.9 90.7 96.6	- 17.2 - 11.3 - 8.2	86.8	- :	3.2	104.8 108.2 100.7	+	1.9 4.2 1.8	88.5 105.1 95.7	- - -	14.7 5.9 16.2	112.3 109.5 103.0	+ + -	9.8 9.3 9.9
Oct. Nov. Dec.	96.2 99.6 109.0	- 8.0 - 3.9 + 8.0	97.0 96.4 92.4	- 9.9 - 10.6 - 8.9	100.4	+ (105.9 109.6 96.5	-	2.9 0.2 1.8	99.1 112.1 88.2	- + -	15.2 9.6 7.0	109.0 108.6 100.3	+ - +	3.2 4.0 5.7
2024 Jan. Feb. Mar.	98.2 96.3 105.8	- 5.0 - 8.7 - 2.5	98.1 94.4 102.6	- 12.0 - 11.3 - 7.5	98.0 96.4	+).1 7.8	100.4 106.2 113.3		3.9 1.5 1.3	85.1 89.0 105.7	- - -	8.7 15.2 8.3	107.4 114.0 116.7	- + +	1.9 4.5 5.8
Apr. May P	93.1 92.5	- 1.8 - 8.1	93.8 93.8	- 7.5 - 5.4	91.0	+	1.9	104.7 107.0	+	0.5	94.4 112.2	- +	10.1 22.2	109.3 104.7	+++++++++++++++++++++++++++++++++++++++	5.2 2.2
	From the	domestic	market													
2021 2022 2023	99.3 105.6 100.9	+ 21.7 + 6.3 - 4.5	99.4 112.5 103.1	+ 26.9 + 13.2 - 8.4	98.7	- (9.1).6).4	99.3 109.7 99.7	+ 1	0.2 0.5 9.1	99.2 111.3 99.5	+ + -	8.9 12.2 10.6	99.3 109.1 99.7	+ + -	10.7 9.9 8.6
2023 May June	105.7 107.7	+ 0.1 - 0.4	103.4 99.7	- 8.8 - 12.5			1.0 1.7	96.1 95.8		0.1 7.2	99.3 93.9	-	22.6 16.3	94.9 96.5	-	3.7 17.6
July Aug. Sep.	98.4 90.9 93.7	- 8.1 - 4.2 - 9.7	97.5 94.9 95.4	- 18.5 - 8.6 - 10.9	86.2	+ (2.6).2 7.8	100.0 99.1 99.1	-	2.9 1.4 4.9	97.4 103.8 103.3	- - -	13.3 6.1 5.3	101.0 97.2 97.5	+ + -	1.7 0.6 18.3
Oct. Nov. Dec.	96.0 99.1 98.4	- 7.3 - 6.5 - 0.9	100.2 100.0 97.0	- 9.9 - 10.5 - 8.5	98.1	-	4.5 1.3 5.4	102.9 99.8 93.8	- 1	8.4 3.9 0.5	93.6 97.4 89.9	- - +	11.9 12.5 5.8	106.6 100.7 95.3	- - +	7.0 14.4 12.4
2024 Jan. Feb. Mar.	94.4 95.7 102.3	- 8.0 - 10.1 - 9.1	99.6 96.4 102.0	- 13.2 - 12.8 - 11.1			2.9 3.5 7.6	94.3 97.9 104.1	-	4.1 4.6 5.5	85.5 86.1 100.9	- - -	9.9 13.6 14.0	97.8 102.6 105.4	- - -	1.8 1.2 1.9
Apr. May P	90.9 92.0	- 8.6 - 13.0	94.7 92.8	- 13.0 - 10.3			1.9 5.4	96.8 92.8		1.6 3.4	94.9 85.3	-	8.4 14.1	97.5 95.7	+++	1.1 0.8
	From abro	bad														
2021 2022 2023	99.5 104.8 101.5	+ 23.6 + 5.3 - 3.1	99.4 108.1 96.8	+ 27.6 + 8.8 - 10.5	102.5	+ :		99.4 109.6 108.8	+ 1	1.7 0.3 0.7	99.6 114.4 100.9	+ + -	23.4 14.9 11.8	99.3 107.2 112.8	+ + +	6.5 8.0 5.2
2023 May June	97.0 116.8	- 4.5 + 8.7	95.0 104.3	- 12.8 - 7.9	123.3	+ 1	9.1	101.1 116.6	+	8.5 1.0	87.5 111.9	-	29.1 4.2	107.9 119.0	+ +	3.8 3.8
July Aug. Sep.	93.8 89.0 102.1	- 11.5 - 7.0 - 0.3	92.3 86.5 97.7	- 15.9 - 14.1 - 5.5	87.2		5.0	108.1 114.3 101.8	+	5.4 7.7 9.7	83.3 105.9 91.4	- - -	15.7 5.8 22.0	120.5 118.5 107.0	+ + -	15.3 15.2 3.2
Oct. Nov. Dec.	96.4 100.0 116.6	- 8.5 - 1.8 + 14.3	93.8 92.8 87.9	- 10.0 - 10.8 - 9.3	101.8	+		107.9 116.3 98.4	+ 1	0.8 0.1 3.1	102.2 120.5 87.2	- + -	16.8 24.1 13.2	110.7 114.3 104.0	+ + +	11.7 4.2 1.8
2024 Jan. Feb. Mar.	101.0 96.8 108.3	- 2.9 - 7.5 + 2.5	96.7 92.5 103.1	- 10.8 - 9.6 - 3.7	97.3	- 1	7.4	104.5 111.8 119.5	+	3.9 0.4 5.7	84.8 90.6 108.5	- - -	8.0 16.2 5.0	114.4 122.4 124.9	- + +	2.1 8.3 11.0
Apr. May P	94.6 92.8	+ 3.4 - 4.3		- 1.0 - 0.3				110.0 116.7		1.7 5.4	94.1 127.7	- +	11.1 45.9	117.9 111.3	+ +	7.8 3.2

Source of the unadjusted figures: Federal Statistical Office. * At current prices; for explanatory notes, see Statistical Series - Seasonally adjusted business statistics, Tables III.2.a to III.2.c. \mathbf{o} Using JDemetra+ 2.2.2 (X13).

4. Orders received by construction *

Adjusted for working-day variations •

Zeit

2023

2024

			Breakdown	by type o	f constructio	1					_		Breakdown	by client 1	1	
			Structural e	ngineering	9											
	Total		Total		Residential construction	ı	Industrial construction	ı	Public secto constructior		Civil engineering		Industrial cli	ients	Public sector 2	
	2015 = 100	Annual percent- age change														
	145.6 159.0 166.8 173.1	- 0.4 + 9.2 + 4.9 + 3.8	144.2 164.1 161.7 154.5	- 0.8 +13.8 - 1.5 - 4.5	160.8 174.3 167.7 145.6	+ 6.9 + 8.4 - 3.8 - 13.2	130.3 156.6 155.0 151.7	- 8.6 +20.2 - 1.0 - 2.1	141.5 158.5 166.8 194.2	+ 1.9 + 12.0 + 5.2 + 16.4	147.3 153.0 172.7 194.8	+ 0.1 + 3.9 + 12.9 + 12.8	139.6 161.6 171.9 190.8	- 5.7 +15.8 + 6.4 +11.0	143.3 146.7 160.5 169.5	+ 1.4 + 2.4 + 9.4 + 5.6
Apr. May June	169.8 176.2 181.0	+ 3.4 + 0.1 + 3.3	147.5 153.6 164.1	- 6.4 - 10.8 - 1.3	144.6 153.9 165.3	- 18.8 - 15.5 - 7.1	141.4 147.5 135.6	- 0.8 - 9.6 - 11.5	179.7 175.1 266.8	+ 22.7 + 0.9 + 51.1	195.7 202.4 200.7	+ 14.0 + 12.2 + 8.1	178.1 187.6 178.7	+ 15.7 + 9.8 + 0.7	175.5 176.5 193.2	+ 4.8 - 1.0 +13.0
July Aug. Sep.	194.3 191.7 192.8	+ 7.6 +21.9 +17.3	170.9 153.7 184.4	- 4.7 + 3.6 +15.7	160.9 140.4 145.1	- 6.0 - 3.2 - 10.7	166.1 156.7 191.3	- 6.6 + 9.5 +24.3	221.6 186.4 288.2	+ 4.8 + 4.7 + 70.0	221.6 235.9 202.5	+ 21.8 + 40.8 + 19.2	190.5 241.6 223.8	+ 0.3 + 54.9 + 34.7	219.0 165.8 186.1	+ 24.9 - 0.1 + 14.0
Oct. Nov. Dec.	171.2 147.1 176.3	+ 5.9 - 0.8 + 6.1	145.2 137.2 161.4	+ 0.1 + 1.9 - 0.6	143.3 124.2 160.1	- 3.4 - 5.1 + 3.4	141.5 140.4 140.6	+ 1.1 +10.6 -15.1	164.9 168.0 243.6	+ 7.8 - 4.6 + 39.6	201.5 158.6 193.6	+ 11.3 - 3.4 + 13.5	197.1 170.0 191.2	+ 14.4 + 9.5 + 1.3	158.6 134.7 169.0	+ 0.5 - 10.8 + 15.0
Jan. Feb. Mar.	136.7 154.5 198.8	+ 3.4 + 1.8 + 3.1	118.5 128.5 169.2	- 5.7 - 1.5 - 5.7	105.8 126.2 159.1	- 16.6 - 0.9 + 2.6	122.3 113.4 163.8	- 4.8 - 14.7 - 17.0	145.8 192.6 222.7	+ 30.1 + 47.1 + 15.3	157.9 184.6 233.1	+ 13.0 + 4.5 + 11.9	156.8 165.0 198.9	+ 7.5 - 1.5 - 8.4	132.4 159.5 222.8	+ 10.5 + 7.4 + 18.6
Apr.	175.2	+ 3.2	141.1	- 4.3	144.3	- 0.2	129.9	- 8.1	172.8	- 3.8	214.7	+ 9.7	190.2	+ 6.8	176.6	+ 0.6

Source of the unadjusted figures: Federal Statistical Office. * At current prices; excluding value added tax; for explanatory notes, see Statistical Series – Seasonally adjusted

business statistics, Table III.2.f. o Using JDemetra+ 2.2.2 (X13). 1 Excluding residential construction. 2 Including road construction.

5. Retail trade turnover *

Adjusted for calendar variations •

					of which:											
					In stores by	enterprise	es main produ	uct range					_			
	Total				Food, bever tobacco 1	ages,	Textiles, clothing, foodwear a leather goo		Information and communica equipment		Constructio and flooring materials, household appliances, furniture		Retail sale c pharmaceut and medica goods, cosr and toilet articles	ical I	Retail sale v mail order h or via interr as well as other retail	houses net
	At current prices		At 2015 pri	ces	At current p	rices										
	2015 = 100	Annual percent- age change	2015 = 100	Annual percent- age change	2015 = 100	Annual percent- age change	2015 = 100	Annual percent- age change	2015 = 100	Annual percent- age change	2015 = 100	Annual percent- age change	2015 = 100	Annual percent- age change		Annual percent- age change
) 1 2 3 3	121.4 124.7 134.4 137.7	+ 5.6 + 2.7 + 7.8 + 2.5	115.9 116.7 115.8 112.3	+ 4.4 + 0.7 - 0.8 - 3.0	121.3 121.7 128.2 136.0	+ 8.1 + 0.3 + 5.3 + 6.1	81.9 78.1 102.9 106.8	- 23.2 - 4.6 + 31.8 + 3.8	106.9 95.4 107.8 107.9	- 1.8 - 10.8 + 13.0 + 0.1	117.1 110.4 122.8 118.3	+ 9.3 - 5.7 +11.2 - 3.7	125.4 135.2 144.7 149.5	+ 5.6 + 7.8 + 7.0 + 3.3	168.6 190.1 188.9 186.6	+ 21.8 + 12.8 - 0.6 - 1.2
3 Apr. May June	137.6 140.9 138.0	+ 3.8 + 4.5 + 5.3	111.9 114.6 112.3	- 4.0 - 1.8 - 0.5	137.3 139.4 136.7	+ 8.1 + 9.2 + 7.9	108.2 113.4 117.7	+ 6.4 + 3.1 + 11.5	95.0 91.8 95.4	+ 0.4 + 0.9 + 1.1	126.0 127.9 120.4	- 3.4 - 1.2 + 0.2	144.0 147.9 148.5	+ 2.6 + 3.9 + 6.1	180.6 183.6 180.1	- 2.1 + 1.0 + 3.2
July Aug. Sep.	139.6 132.6 133.0	+ 3.1 + 2.2 ± 0.0	114.0 107.9 107.4	- 1.6 - 2.3 - 3.8	139.9 132.9 132.4	+ 7.0 + 5.2 + 6.3	109.1 102.4 105.0	+ 3.3 + 4.3 - 10.3	99.8 97.3 104.0	- 0.4 - 1.7 - 4.2	118.2 111.2 112.4	- 3.4 - 2.1 - 5.2	152.9 145.7 149.9	+ 4.0 + 4.5 + 3.8	183.0 168.6 169.2	- 1.2 - 2.5 - 10.6
Oct. Nov. Dec.	141.7 147.8 154.5	+ 2.8 + 1.0 + 2.0	114.7 120.1 125.2	+ 0.1 - 1.6 - 0.5	137.2 137.8 155.2	+ 3.9 + 4.2 + 5.5	121.9 117.8 117.8	+ 5.1 + 1.7 - 5.2	111.5 136.7 142.7	- 0.4 + 1.3 - 3.4	121.4 122.0 117.5	- 3.3 - 6.4 - 6.6	156.5 156.5 166.8	+ 7.5 + 2.2 + 6.0	196.0 231.9 216.0	+ 1.3 - 0.7 + 1.3
4 Jan. Feb. Mar.	126.8 123.1 143.3	+ 1.7 + 0.1 + 2.9	102.8 99.3 114.9	- 1.2 - 2.3 + 1.1	127.8 124.8 144.2	+ 4.2 + 1.3 + 4.9	86.0 83.5 104.7	+ 1.4 ± 0.0 + 4.2	106.8 97.5 101.1	- 5.7 - 3.7 - 5.2	98.1 103.8 126.9	- 7.2 - 4.1 - 1.7	150.5 145.9 157.9	+ 7.8 + 7.9 + 5.3	175.6 158.6 186.9	- 0.5 - 5.3 + 0.2
Apr.	140.1	+ 1.8	112.2	+ 0.3	140.6	+ 2.4	109.1	+ 0.8	94.1	- 0.9	122.9	- 2.5	152.4	+ 5.8	179.4	- 0.7

Source of the unadjusted figures: Federal Statistical Office. * Excluding value added tax; for explanatory notes, see Statistical Series - Seasonally adjusted business statistics, Table III.4.c. **o** Using JDemetra+ 2.2.2 (X13). **1** Including stalls and markets. **2** Excluding

stores, stalls and markets. 3 As of January 2023 figures are provisional, partially revised, and particularly uncertain in recent months due to estimates for missing reports.

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XI. Economic conditions in Germany

6. Labour market *

Sources: Federal Statistical Office; Federal Employment Agency. * Annual and quarterly figures: averages; calculated by the Bundesbank; deviations from the official figures are due to rounding. 1 Workplace concept; averages. 2 Monthly figures: end of month. 3 Number within a given month. 4 Mid-month level. 5 Relative to the total civilia labour force. 6 Excluding government-assisted forms of employment and seasonal jobs, including jobs located abroad. 7 Statistical break due to late recording of unemployed persons in the legal category of the Second Book of the Social Security Code (SGB II).

8 Initial preliminary estimate by the Federal Statistical Office. **9** Unadjusted figures estimated by the Federal Employment Agency. In 2022 and 2023, the estimated values for Germany deviated from the final data by a maximum of 0.1% for employees subject to social contributions, by a maximum of 0.5% for persons solely in jobs exempt from social contributions, and by a maximum of 61,3% for cyclically induced short-time work. **10** From May 2024, calculated on the basis of new labour force figures.

7. Prices

	Harmonised Ir	ndex of Consumer	Prices									
		of which:							Index of producer		Indices of foreign trade	prices
						of which:	Memo item:		prices of industrial products	Index of producer		
			Non- energy			Actual rents	Consumer price index	Con- struction	sold on the	prices of agri-		
	Total		ndustrial Joods 1	Energy 1	Services 1	for housing	(national concept)	price index	domestic market 3	cultural products 3	Exports	Imports
Period	2015 = 100						2020 = 100	2021 = 100		2020 = 100	2021=100	
	Index leve	2l										
2020 2021 2022 2023	4 105.8 4 109.2 118.7 125.9	4 110.9 4 4 114.1 4 126.2 140.9		4 99.0 4 109.0 146.8 154.2		107.6 109.0 110.8 113.1	4 100.0 4 103.1 110.2 116.7		91.2 100.0 129.8 130.1	100.0 107.0 141.2 5 141.3	 100.0 113.5 114.2	100.0 121.8 113.9
2022 Aug. Sep.	119.5 122.1	129.1 130.9	113.0 114.5	148.6 158.8	112.2 113.9	111.1 111.2	110.7 112.7	119.3	139.9 142.3	144.8 148.7	117.9 117.1	128.6 127.3
Oct. Nov. Dec.	123.5 123.5 122.0	132.2 133.6 134.6	115.8 116.3 116.6	164.5 163.5 143.9	114.3 113.7 114.8	111.4 111.6 111.7	113.5 113.7 113.2	122.1	139.3 135.0 134.2	151.7 152.3 152.4	115.4 115.2 115.1	125.3 121.5 120.1
2023 Jan. Feb. Mar.	122.6 123.8 125.1	136.7 139.5 141.3	116.4 117.0 118.3	154.8 154.9 155.0	113.8 115.0 116.1	112.1 112.2 112.5	114.3 115.2 116.1	125.5	133.5 132.5 131.1	5 150.0 149.0 144.9	115.1 115.1 115.0	118.7 117.2 116.1
Apr. May June	125.8 125.6 126.1	141.1 141.1 141.2	119.0 119.3 119.5	156.1 154.0 153.7	117.1 116.9 117.8	112.6 112.8 113.0	116.6 116.5 116.8	126.6	131.8 130.4 129.8	142.2 139.4 141.6	114.6 114.2 114.0	114.6 113.2 112.3
July Aug. Sep.	126.7 127.2 127.4	141.2 141.0 141.5	118.8 119.2 120.1	153.6 156.5 157.6	119.6 119.8 119.3	113.2 113.5 113.6	117.1 117.5 117.8	127.1	128.9 129.2 129.3	142.8 142.8 137.8	113.7 113.7 114.0	111.6 112.0 113.3
Oct. Nov. Dec.	127.2 127.2 126.3 126.6	141.6 142.4 142.4	120.5 120.5 120.5	157.0 154.7 151.6 148.4	119.1 117.6 118.7	113.7 113.9 114.0	117.8 117.3 117.4	127.7	129.1 128.3 127.3	135.3 135.7 137.6	114.1 113.8 113.5	113.4 112.8 111.7
2024 Jan. Feb. Mar.	126.4 127.2 128.0	142.4 143.7 143.6 143.5	119.7 120.3 120.9	150.2 150.9 150.5	118.7 118.1 119.3 120.7	114.0 114.4 114.6 114.9	117.4 117.6 118.1 118.6	129.5	127.6 127.1 127.3	138.5 140.1 141.3	113.6 113.8 113.9	111.7 111.7 111.5 111.9
Apr. May June	128.8 129.1 129.3	144.3 144.0 144.4	120.9 121.1 120.9 120.8	150.5 154.0 152.1 150.3	120.7 121.3 122.4 123.3	115.1 115.3 115.5	119.2 119.3 119.4	130.4	127.5 127.5 127.5 127.7	141.3 142.4 144.3	114.4 114.4 	112.7 112.7
Jane	1	ercentage cha		150.5	12010	110.0						,
2020 2021 2022 2023	4 + 0.4 4 + 3.2 + 8.7 + 6.0	4 + 2.3 4 4 + 2.9 4 + 10.6 + 11.7	4 – 0.1 4 + 2.5 + 5.7 + 5.6	4 – 4.5 4 + 10.1 + 34.7 + 5.1	4 + 1.2 4 + 2.0 + 2.9 + 4.8	+ 1.4 + 1.3 + 1.7 + 2.1	4 + 0.5 4 + 3.1 + 6.9 + 5.9	4 + 1.4 4 + 8.8 + 16.6 + 8.7	- 1.0 + 9.6 + 29.8 + 0.2	- 3.1 + 7.0 + 32.0 5 + 0.1	 + 13.5 + 0.6	 + 21.8 - 6.5
2022 Aug. Sep.	+ 8.8 + 10.9	+ 12.8 + 14.4	+ 6.1 + 6.4	+ 35.8 + 44.2	+ 1.7 + 3.6	+ 1.7 + 1.7	+ 7.0 + 8.6	+ 17.1	+ 38.5 + 38.6	+ 33.3 + 39.1	+ 16.7 + 15.0	+ 26.7 + 24.0
Oct. Nov. Dec.	+ 11.6 + 11.3 + 9.6	+ 15.5 + 16.3 + 16.3	+ 7.2 + 7.3 + 7.4	+ 43.5 + 40.1 + 25.1	+ 3.9 + 3.8 + 4.1	+ 1.7 + 1.9 + 1.9	+ 8.8 + 8.8 + 8.1	+ 17.3	+ 31.7 + 26.4 + 21.4	+ 38.8 + 34.2 + 32.8	+ 12.0 + 10.9 + 9.8	+ 18.2 + 12.3 + 9.6
2023 Jan. Feb. Mar.	+ 9.2 + 9.3 + 7.8	+ 16.6 + 18.0 + 18.6	+ 7.4 + 7.2 + 7.2	+ 25.1 + 21.6 + 6.1	+ 3.6 + 4.4 + 5.0	+ 2.0 + 2.0 + 2.1	+ 8.7 + 8.7 + 7.4	+ 15.5	+ 16.4 + 13.9 + 7.5	5 + 28.1 + 23.1 + 6.0	+ 8.1 + 6.6 + 3.3	+ 5.3 + 3.1 - 3.1
Apr. May June	+ 7.6 + 6.3 + 6.8	+ 15.5 + 13.6 + 12.6	+ 6.9 + 6.2 + 6.2	+ 9.4 + 5.0 + 4.0	+ 4.8 + 4.4 + 6.1	+ 2.0 + 2.0 + 2.0	+ 7.2 + 6.1 + 6.4	+ 8.9	+ 5.2 + 2.5 + 1.2	- 1.1 - 2.6 - 0.1	+ 1.7 + 0.9 - 0.1	- 5.6 - 7.7 - 8.6
July Aug. Sep.	+ 6.5 + 6.4 + 4.3	+ 10.7 + 9.2 + 8.1	+ 5.5 + 5.5 + 4.9	+ 3.9 + 5.3 - 0.8	+ 6.7 + 6.8 + 4.7	+ 2.1 + 2.2 + 2.2	+ 6.2 + 6.1 + 4.5	+ 6.5	- 2.9 - 7.6 - 9.1	+ 0.5 - 1.4 - 7.3	- 2.0 - 3.6 - 2.6	- 10.8 - 12.9 - 11.0
Oct. Nov. Dec.	+ 3.0 + 2.3 + 3.8	+ 7.1 + 6.6 + 5.8	+ 4.1 + 3.6 + 3.3	- 6.0 - 7.3 + 3.1	+ 4.2 + 3.4 + 3.4	+ 2.1 + 2.1 + 2.1	+ 3.8 + 3.2 + 3.7	+ 4.6	- 7.3 - 5.0 - 5.1	- 10.8 - 10.9 - 9.7	- 1.1 - 1.2 - 1.4	- 9.5 - 7.2 - 7.0
2024 Jan. Feb. Mar.	+ 3.1 + 2.7 + 2.3	+ 5.1 + 2.9 + 1.6	+ 2.8 + 2.8 + 2.2	- 3.0 - 2.6 - 2.9	+ 3.8 + 3.7 + 4.0	+ 2.1 + 2.1 + 2.1	+ 2.9 + 2.5 + 2.2	+ 3.2	- 4.4 - 4.1 - 2.9	- 7.7 - 6.0 - 2.5	- 1.3 - 1.1 - 1.0	- 5.9 - 4.9 - 3.6
Apr. May June	+ 2.4 + 2.8 + 2.5	+ 2.3 + 2.1 + 2.3	+ 1.8 + 1.3 + 1.1	- 1.3 - 1.2 - 2.2	+ 3.6 + 4.7 + 4.7	+ 2.2 + 2.2 + 2.2	+ 2.2 + 2.4 + 2.2	+ 3.0	- 3.3 - 2.2 - 1.6	+ 0.1 + 3.5	- 0.2 + 0.2 	- 1.7 - 0.4

Sources: Eurostat; Federal Statistical Office and Bundesbank calculation based on data from the Federal Statistical Office. **1** The last data point is at times based on the Bundesbank's own estimates. **2** Including alcoholic beverages and tobacco. **3** Excluding va-

lue added tax. **4** Influenced by a temporary reduction of value added tax between July and December 2020. **5** From January 2023 onwards, provisional figures.

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XI. Economic conditions in Germany

8. Households' income *

	Gross wages salaries 1	and	Net wages a salaries ²	nd	Monetary so benefits rece		Mass income	4	Disposable in	icome 5	Saving 6		Saving ratio 7
Period	€ billion	Annual percentage change	€ billion	Annual percentage change	€ billion	Annual percentage change	€ billion	Annual percentage change	€ billion	Annual percentage change	€ billion	Annual percentage change	As percentage
2016	1,337.4	4.0	896.3	3.8	426.2	3.8	1,322.5	3.8	1.841.5	3.3	187.8	4.7	10.2
2017	1,395.4	4.3	932.5	4.0	441.8	3.6	1,374.3	3.9	1,905.2	3.5	202.8	8.0	10.6
2018	1,462.7	4.8	976.1	4.7	455.2	3.0	1,431.3	4.1	1,976.6	3.7	223.2	10.1	11.3
2019	1,524.7	4.2	1,021.8	4.7	477.5	4.9	1,499.3	4.8	2,024.4	2.4	219.8	- 1.5	10.9
2020 2021 2022 2023	1,515.3 1,571.3 1,661.8 1,779.6	- 0.6 3.7 5.8 7.1	1,021.1 1,062.9 1,118.8 1,219.9	- 0.1 4.1 5.3 9.0	523.9 534.1 541.8 577.7	9.7 1.9 1.4 6.6	1,545.0 1,597.0 1,660.6 1,797.6	3.0 3.4 4.0 8.2	2,046.9 2,098.5 2,227.5 2,357.4	1.1 2.5 6.1 5.8	338.2 313.0 248.2 266.9	53.9 - 7.5 - 20.7 7.5	16.5 14.9 11.1 11.3
2022 Q4	463.0	5.5	312.0	5.4	136.6	5.5	448.6	5.5	575.1	7.4	60.2	- 1.1	10.5
2023 Q1 Q2 Q3 Q4	416.8 429.7 441.0 492.2	7.1 7.6 7.5 6.3	285.9 287.8 307.9 338.3	9.2 9.7 8.9 8.4	144.2 141.3 146.3 145.9	7.0 7.0 5.7 6.9	430.1 429.1 454.2 484.3	8.5 8.8 7.8 8.0	580.2 582.8 594.0 600.5	7.0 7.1 5.0 4.4	77.6 64.0 60.4 64.9	0.1 14.4 10.6 7.9	13.4 11.0 10.2 10.8
2024 Q1	443.9	6.5	307.4	7.5	152.1	5.5	459.5	6.8	607.7	4.7	90.4	16.5	14.9

Source: Federal Statistical Office; figures computed in May 2024. * Households includ-Source: rederal statistical Office; figures computed in May 2024. * Households includ-ing non-profit institutions serving households. 1 Residence concept. 2 After deducting the wage tax payable on gross wages and salaries and employees' contributions to the social security funds. 3 Social security benefits in cash from the social security funds, central, state and local government and foreign contributions on social benefits, private funded social benefits, less social contributions on social benefits, consumption-related taxes and public charges. 4 Net wages and salaries plus monetary

social benefits received. 5 Mass income plus operating surplus, mixed income, property income (net), other current transfers received, income of non-profit institutions erving households, less taxes (excluding wage tax and consumption-related taxes) and other current transfers paid. Including the increase in claims on company pension funds. 6 In-cluding the increase in claims on company pension funds. 7 Saving as a percentage of disposable income.

9. Negotiated pay rates (overall economy)

1			:							
	Index of negotiat	ed wages 1								
			On a monthly ba	sis						
	On an hourly bas	is	Total		Total excluding one-off payments	5	Basic pay rates 2		Memo item: Wages and salari per employee 3	es
Period	2015=100	Annual percentage change	2015=100	Annual percentage change	2015=100	Annual percentage change	2015=100	Annual percentage change	2015=100	Annual percentage change
2016	102.2	2.2	102.2	2.2	102.2	2.2	102.3	2.3	102.5	2.5
2017	104.6	2.3	104.5	2.3	104.6	2.3	104.8	2.4	105.1	2.6
2018	107.7	3.0	107.7	3.0	107.6	2.8	107.7	2.8	108.4	3.2
2019	110.9	3.0	110.8	3.0	110.7	2.9	110.4	2.5	111.7	3.0
2020	113.3	2.2	113.3	2.2	113.0	2.1	112.7	2.1	111.6	- 0.1
2020	115.0	1.5	115.0	1.5	114.9	1.6	114.5	1.5	115.3	3.3
2022	118.0	2.6	118.0	2.6	117.4	2.2	116.8	2.0	120.1	4.1
2023	122.8	4.0	122.7	4.0	120.5	2.7	119.8	2.6	127.5	6.2
									-	
2022 Q4	130.2	1.9	130.1	1.9	130.1	1.9	117.8	2.3	132.6	4.2
2022.04	145.2	2.0	445.4	2.0		2.5	1107	2.6	420.4	5.0
2023 Q1	115.2 114.3	3.8 3.9	115.1	3.8 3.9	111.7	2.5 2.5	118.7 119.5	2.6 2.5	120.1	5.9 6.6
Q2 Q3	114.3	3.9	114.3 126.6	3.9 4.7	112.1 124.9	2.5 3.2	119.5	2.5	123.2 126.3	6.6
Q3 Q4	126.7	4.7	120.0	4.7	124.9	2.5	120.4	2.5	120.3	5.7
Q4	154.9	5.7	154.9	5.0	155.4	2.5	120.0	2.5	140.2	5.7
2024 Q1	122.3	6.2	122.3	6.2	115.2	3.1	122.3	3.0	127.4	6.1
2023 Nov.	173.5	3.2	173.4	3.2	172.5	2.5	120.8	2.7		
Dec.	116.1	3.3	116.1	3.3	114.9	2.4	120.9	2.3		
								-		
2024 Jan.	117.3	1.1	117.2	1.1	113.7	2.5	121.5	2.5		
Feb.	124.7	5.9	124.6	5.9	116.3	2.6	121.6	2.5		
Mar.	125.0	11.8	125.0	11.8	115.5	4.1	123.6	4.1		·
Apr	117.8	4.8	117.7	4.8	116.5	4.0	123.8	3.9		
Apr. May	117.8	4.8	117.7	4.8 4.4	116.5	4.0	123.8	3.9 4.7	· ·	· ·
iviay	110.0	4.4	110.0	4.4	17.5	4.9	124.9	4.7	· ·	I · I

1 Current data are normally revised on account of additional reports. 2 Excluding one-off payments and covenants (capital formation benefits, special payments, such as annual bonuses, holiday pay, Christmas bonuses (13th monthly salary payment) and

retirement provisions). 3 Source: Federal Statistical Office; figures computed in May 2024

10. Assets, equity and liabilities of listed non-financial groups *

End of year/half

	End of yea	ir/halt														
		Assets								Equity and	liabilities					
			of which:				of which:				Liabilities					
												Long-term		Short-term	ı	
															of which:	
	Total	Non- current	Intangible	Tangible	Financial	Current	Inven-	Trade receiv-					of which: Financial		Financial	Trade
Period	assets	assets	assets	assets	assets	assets	tories	ables	Cash 1	Equity	Total	Total	debt	Total	debt	payables
		billion)														
2020 2021	2,850.0 3,292.0	1,797.3 1,971.6	607.6 680.1	733.1 773.8	335.1 384.8	1,052.7 1,320.4	243.6 272.1	225.9 261.5	240.5 261.5	811.5 994.4	2,038.5 2,297.6	1,181.5 1,206.9	746.4 772.1	857.0 1,090.7	304.4 321.4	196.1 236.7
2022 2023 P	3,431.6 3,320.5	2,057.0 2,038.7	713.5 699.2	804.3 823.2	410.1 374.4	1,374.6 1,281.8	326.2 325.2	268.3 259.9	244.3 245.6	1,133.2 1,145.4	2,298.4 2,175.1	1,195.7 1,146.3	760.2 771.1	1,102.8 1,028.8	331.8 347.3	273.3 261.7
2022 H1 H2	3,593.6	2,108.1 2,057.0	719.1 713.5	796.3 804.3	447.4 410.1	1,485.5 1,374.6	322.4 326.2	284.8 268.3	225.4 244.3	1,075.4 1,133.2	2,518.2	1,237.0 1,195.7	789.5 760.2	1,281.2 1,102.8	313.7 331.8	260.7 273.3
2023 H1	3,431.6 3,322.4	2,037.0	699.5	799.0	373.5	1,374.0	343.9	263.7	234.3	1,133.2	2,298.4 2,188.3	1,130.8	752.5	1,057.5	327.4	275.5
H2 p	3,320.5	2,038.7	699.2	823.2	374.4	1,281.8	325.2	259.9	245.6	1,145.4	2,175.1	1,146.3	771.1	1,028.8	347.3	261.7
2020	As a perce	entage of to 63.1	21.3	25.7	11.8	36.9	8.6	7.9	8.4	28.5	71.5	41.5	26.2	30.1	10.7	6.9
2021 2022	100.0 100.0	59.9 59.9	20.7 20.8	23.5 23.4	11.7 12.0	40.1 40.1	8.3 9.5	7.9 7.8	7.9 7.1	30.2 33.0	69.8 67.0	36.7 34.8	23.5 22.2	33.1 32.1	9.8 9.7	7.2 8.0
2023 P	100.0	61.4	21.1	24.8	11.3	38.6	9.8	7.8	7.4	34.5	65.5	34.5	23.2	31.0	10.5	7.9
2022 H1 H2	100.0 100.0	58.7 59.9	20.0 20.8	22.2 23.4	12.5 12.0	41.3 40.1	9.0 9.5	7.9 7.8	6.3 7.1	29.9 33.0	70.1 67.0	34.4 34.8	22.0 22.2	35.7 32.1	8.7 9.7	7.3 8.0
2023 H1 H2 p	100.0 100.0	60.5 61.4	21.1 21.1	24.1 24.8	11.2 11.3	39.5 38.6	10.4 9.8	7.9 7.8	7.1 7.4	34.1 34.5	65.9 65.5	34.0 34.5	22.7 23.2	31.8 31.0	9.9 10.5	7.8 7.9
	· ·		focus or													
2020 2021	2,265.0 2,626.3	1,354.9 1,479.3	399.1 441.7	543.5 573.9	320.0 363.5	910.1 1,147.0	228.7 254.4	179.5 206.3	187.9 204.2	636.3 764.7	1,628.8 1,861.6	904.7 918.5	537.0 548.5	724.0 943.2	267.3 285.9	149.8 184.0
2022 2023 p	2,730.8 2,620.2	1,538.3 1,512.9	461.5 446.6	591.7 604.5	388.3 352.1	1,192.4 1,107.3	307.7 305.2	209.1 202.2	186.5 203.4	879.7 888.8	1,851.1 1,731.4	912.7 859.8	534.3 544.6	938.4 871.6	291.2 308.2	215.2 206.6
2022 H1 H2	2,898.3 2,730.8	1,582.5 1,538.3	462.4 461.5	583.8 591.7	422.6 388.3	1,315.9 1,192.4	303.6 307.7	222.5 209.1	177.2 186.5	830.9 879.7	2,067.4 1,851.1	945.2 912.7	558.2 534.3	1,122.2 938.4	272.8 291.2	207.6 215.2
2023 H1 H2 P	2,651.0 2,620.2	1,504.1 1,512.9	460.3 446.6	588.8 604.5	348.8 352.1	1,146.8 1,107.3	326.4 305.2	210.9 202.2	183.6 203.4	892.6 888.8	1,758.4 1,731.4	854.6 859.8	532.3 544.6	903.8 871.6	282.9 308.2	210.1 206.6
		entage of to	• •			,					, -					
2020 2021	100.0 100.0	59.8 56.3	17.6 16.8	24.0 21.9	14.1 13.8	40.2 43.7	10.1 9.7	7.9 7.9	8.3 7.8	28.1 29.1	71.9 70.9	39.9 35.0	23.7 20.9	32.0 35.9	11.8 10.9	6.6 7.0
2022 2023 P	100.0 100.0	56.3 57.7	16.9 17.0	21.7 23.1	14.2 13.4	43.7 42.3	11.3 11.7	7.7	6.8 7.8	32.2 33.9	67.8 66.1	33.4 32.8	19.6 20.8	34.4 33.3	10.7 11.8	7.9 7.9
2022 H1 H2	100.0 100.0	54.6 56.3	16.0 16.9	20.1 21.7	14.6 14.2	45.4 43.7	10.5 11.3	7.7 7.7	6.1 6.8	28.7 32.2	71.3 67.8	32.6 33.4	19.3 19.6	38.7 34.4	9.4 10.7	7.2 7.9
2023 H1	100.0	56.7	17.4	22.2	13.2	43.3	12.3	8.0	6.9	33.7	66.3	32.2	20.1	34.1	10.7	7.9
H2 P	100.0	57.7 with a	17.0	23.1 1 the ser		42.3 42.3	11.7	7.7	7.8	33.9	66.1	32.8	20.8	33.3	11.8	7.9
2020	585.0	442.4	208.5	1 189.6	15.1	142.6	14.9	46.4	52.6	175.3	409.7	276.7	209.4	133.0	37.1	46.3
2021 2022 2023 p	665.7 700.9 700.3	492.2 518.7 525.8	238.5 251.9 252.6	200.0 212.5 218.7	21.3 21.8 22.3	173.5 182.2 174.5	17.7 18.5 20.0	55.2 59.1 57.7	57.3 57.8 42.2	229.7 253.5 256.6	436.0 447.3 443.7	288.4 283.0 286.5	223.6 225.9 226.5	147.6 164.3 157.2	35.5 40.7 39.1	52.6 58.1 55.2
2022 H1 H2	695.3 700.9	525.7 518.7	256.7 251.9	212.5 212.5	24.8 21.8	169.6 182.2	18.8 18.5	62.2 59.1	48.2 57.8	244.5 253.5	450.8 447.3	291.8 283.0	231.4 225.9	159.0 164.3	40.9 40.7	53.1 58.1
2023 H1 H2 P	671.4 700.3	505.4 525.8	239.2 252.6	210.2 218.7	24.7 22.3	166.0 174.5	17.4 20.0	52.9 57.7	50.7 42.2	241.5 256.6	429.9 443.7	276.2 286.5	220.1 226.5	153.8 157.2	44.6 39.1	49.9 55.2
2020		entage of to						3.0			1 70.0	1 47 5 1		l	1	
2020 2021	100.0 100.0	75.6	35.6 35.8	32.4 30.0	2.6 3.2	24.4 26.1	2.6 2.7	7.9 8.3	9.0 8.6	30.0 34.5	70.0	47.3 43.3	35.8 33.6	22.7 22.2	6.3 5.3	7.9 7.9
2022 2023 p	100.0 100.0	74.0 75.1	36.0 36.1	30.3 31.2	3.1 3.2	26.0 24.9	2.6 2.9	8.4 8.2	8.3 6.0	36.2 36.6	63.8 63.4	40.4 40.9	32.2 32.3	23.5 22.4	5.8 5.6	8.3 7.9
2022 H1 H2	100.0 100.0	75.6 74.0	36.9 36.0	30.6 30.3	3.6 3.1	24.4 26.0	2.7 2.6	9.0 8.4	6.9 8.3	35.2 36.2	64.8 63.8	42.0 40.4	33.3 32.2	22.9 23.5	5.9 5.8	7.6 8.3
2023 H1 H2 p	100.0 100.0	75.3 75.1	35.6 36.1	31.3 31.2	3.7 3.2	24.7 24.9	2.6 2.9	7.9 8.2	7.6 6.0	36.0 36.6	64.0 63.4	41.1 40.9	32.8 32.3	22.9 22.4	6.6 5.6	7.4 7.9
.12 1						24.5	2.5	0.2		50.0	05.4	-0.5	52.5			

* Non-financial groups admitted to the Prime Standard segment of the Frankfurt Stock Exchange which publish IFRS consolidated financial statements on a quarterly or half-yearly basis and make a noteworthy contribution to value added in Germany. Excluding groups engaged in real estate activities. ${\bf 1}$ Including cash equivalents. ${\bf 2}$ Including groups in agriculture and forestry.

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XI. Economic conditions in Germany

11. Revenues and operating income of listed non-financial groups *

					EBITDA 1	ataga of ro						EBIT 2	atago of ro			
					as a perce	ntage of rev	Distributio	n 3				as a perce	ntage of rev	Distributio	n 3	
					Weighted		First		Third			Weighted		First		Third
	Revenues		EBITDA 1		average		quartile	Median	quartile	EBIT 2		average		quartile	Median	quartile
Period	€ billion 4	Annual per- centage change 5	€ billion 4	Annual per- centage change 5	%	Annual change in per- centage points 5	%	%	%	€ billion 4	Annual per- centage change 5	%	Annual change in per- centage points 5	%	%	%
	Total															
2016	1,624.3	- 0.4	214.4	7.8	13.2	1.0	6.7	11.4	17.9	111.7	9.0	6.9	0.5	2.6	6.7	12.0
2017	1,719.3	5.1	243.4	14.6	14.2	1.2	7.0	11.0	18.0	141.9	33.3	8.3	1.8	2.5	6.8	12.1
20186	1,706.8	0.7	232.8	- 0.9	13.6	- 0.2	6.1	10.6	17.8	129.2	- 6.3	7.6	- 0.6	2.1	6.5	11.9
2019	1,764.6	2.6	233.6	0.4	13.2	- 0.3	6.9	12.2	19.2	105.5	- 17.9	6.0	- 1.5	1.6	5.8	11.8
2020	1,632.8	- 8.8	213.6	- 7.7	13.1	0.2	6.5	11.5	17.9	52.1	- 41.0	3.2	- 2.1	– 0.8	4.9	10.5
2021	1,994.7	20.4	297.7	37.7	14.9	1.9	7.8	13.4	19.9	161.5	212.6	8.1	5.0	2.9	8.2	12.2
2022	2,431.3	20.8	324.8	7.8	13.4	- 1.6	6.4	11.8	18.4	170.0	3.5	7.0	- 1.2	1.6	6.6	12.4
2023 p 2019 H1	2,238.3	- 7.7	323.6	0.4	14.5	1.2	6.1	12.2	17.9	170.0	0.9	7.6	0.7	1.8	6.6	11.5
H2	861.3	2.7	112.3	- 4.0	13.0	- 0.9	6.5	11.8	18.6	53.4	- 23.3	6.2	- 2.1	1.5	5.7	11.7
	903.7	2.4	121.3	4.8	13.4	0.3	6.6	11.8	20.0	52.0	- 11.4	5.8	- 0.9	0.8	6.1	12.5
2020 H1	744.5	- 14.4	78.2	- 34.1	10.5	- 3.0	4.8	9.9	16.7	7.9	- 88.0	1.1	- 5.3	- 2.1	3.5	8.8
H2	888.4	- 3.3	135.4	17.1	15.2	2.8	7.6	13.2	19.8	44.2	8.6	5.0	0.7	1.7	6.5	11.6
2021 H1	920.0	20.3	151.5	87.2	16.5	5.9	7.4	12.6	19.5	84.5		9.2	8.3	2.3	7.8	12.2
H2	1,075.6	20.4	146.4	8.1	13.6	- 1.6	7.9	13.2	20.8	77.0	73.1	7.2	2.2	2.9	7.7	13.4
2022 H1	1,149.7	23.5	161.0	4.8	14.0	- 2.5	6.1	11.5	18.4	84.9	- 1.6	7.4	- 1.9	1.6	6.4	11.8
H2	1,283.3	18.5	163.9	11.0	12.8	- 0.9	5.9	11.6	18.9	85.2	9.1	6.6	- 0.6	1.7	6.7	12.9
2023 H1	1,112.0	- 3.0	172.0	7.8	15.5	1.6	6.4	10.8	17.5	98.1	16.9	8.8	1.5	1.2	6.5	10.8
H2 p	1,127.6	- 12.0	151.7	- 6.8	13.5	0.8	6.2	12.5	19.8	71.9	- 15.0	6.4	- 0.2	1.2	7.0	13.0
112 1					oduction	, ,		12.5	15.0	71.5	15.0	0.4	0.2	1.2		15.0
2016	1,295.9	- 0.8	161.9	6.3	12.5	0.8	6.5	10.6	16.0	84.8	4.2	6.5	0.3	2.8	6.3	10.5
2017	1,395.9	5.5	187.5	16.6	13.4	1.3	7.1	11.0	15.8	112.5	40.6	8.1	2.0	3.2	6.7	10.4
2018 6	1,367.7	1.0	175.7	– 1.5	12.9	- 0.3	6.9	10.7	16.0	100.7	- 7.1	7.4	- 0.6	2.8	6.9	11.4
2019	1,410.9	2.0	168.1	– 4.4	11.9	- 0.8	6.9	11.3	16.6	76.3	- 23.8	5.4	- 1.8	1.4	5.7	10.1
2020	1,285.2	- 9.4	143.6	- 8.6	11.2	0.1	5.7	10.6	16.5	29.1	- 48.1	2.3	- 2.3	- 0.7	4.3	9.8
2021	1,585.8	22.4	208.9	45.9	13.2	2.1	7.9	12.8	17.9	118.6	325.8	7.5	5.4	2.8	7.8	11.1
2022	1,957.4	21.7	222.9	4.7	11.4	- 1.8	6.9	11.3	16.4	116.3	- 4.7	5.9	- 1.6	1.8	6.6	10.7
2023 P	1,784.0	- 8.2	233.7	5.7	13.1	1.7	7.0	11.4	16.1	124.1	7.6	7.0	1.0	2.2	6.6	11.4
2019 H1	689.9	2.4	83.3	- 8.8	12.1	- 1.5	7.1	10.9	16.1	41.9	- 26.8	6.1	- 2.4	1.8	6.0	9.5
H2	721.0	1.7	84.8	0.3	11.8	- 0.2	6.1	10.8	16.9	34.4	- 19.7	4.8	- 1.3	0.6	5.2	11.1
2020 H1	580.6	- 16.0	49.0	- 42.4	8.4	- 3.8	4.4	8.8	14.9	0.2	- 101.7	0.0	- 6.2	- 2.1	3.1	7.8
H2	704.6	- 3.0	94.6	25.4	13.4	3.4	7.0	12.1	18.6	28.9	19.6	4.1	1.1		6.0	10.4
2021 H1	731.9	24.0	111.2	126.9	15.2	6.9	8.2	12.6	18.6	66.7	80.8	9.1	9.3	2.9	7.9	12.1
H2	854.2	21.1	97.7	3.8	11.4	- 1.9	7.8	12.3	17.5	51.9		6.1	2.0	2.6	7.0	11.5
2022 H1	923.4	23.8	110.9	- 2.5	12.0	- 3.3	7.7	11.5	16.3	59.0	- 14.2	6.4	- 2.8	2.3	6.4	10.4
H2 2023 H1	1,035.8 894.9	19.9 - 2.9	112.2 129.0	13.1 16.7	10.8 14.4	- 0.7 2.4	5.9 7.1	10.8 11.7	16.7 16.3	57.4 76.7	7.7	5.5 8.6	- 0.6	1.3 2.1	6.5 6.7	11.4 10.7
H2 p	890.0 Groups	13.0 with a ⁻	104.9 focus or	- 5.0 1 the ser	11.8 vices se	1.0 ctor	6.5	12.4	17.4	47.5	- 16.0	5.3	- 0.2	1.8	6.6	12.0
2016 2017 2018 6 2019	328.4 323.4 339.2 353.7			12.8 8.3 1.3 15.2			6.8 6.8 5.5 6.9	13.4 11.5 10.5 13.7	25.1 23.0 24.7 24.5	26.9 29.4 28.5 29.2	24.4 11.4 - 3.5 2.8	8.2 9.1 8.4 8.3	1.5 0.6 - 0.3 - 0.2	2.3 2.1 1.4 2.4	8.2 7.2 5.8 6.2	15.3 15.1 16.6 16.2
2020	347.6	- 6.1	70.0	- 5.4	20.1	0.1	6.9	13.3	22.1	23.0	- 22.1	6.6	- 1.4	- 1.2	6.5	12.2
2021	408.9	13.0	88.8	21.6	21.7	1.6	7.6	15.0	24.0	42.8	79.7	10.5	3.9	3.0	9.2	15.6
2022	473.9	17.4	101.9	15.3	21.5	- 0.4	5.2	13.1	22.8	53.8	26.4	11.3	0.8	1.0	6.9	14.4
2023 p	454.4	- 5.6	89.9	- 11.2	19.8	- 1.3	5.6	12.9	22.2	45.8	- 13.7	10.1	- 1.0	1.6	6.8	12.9
2019 H1	171.4	4.0	29.0	13.1	16.9	1.4	5.7	12.3	24.4	11.6	- 7.5	6.7	- 0.9	0.0	4.9	14.5
H2	182.7	5.5	36.5	16.9	20.0	1.9	7.1	15.1	24.4	17.7	10.9	9.7	0.5	1.8	8.2	16.3
2020 H1	163.9	- 8.1	29.2	- 9.4	17.8	- 0.3	5.6	10.8	21.2	7.7	- 36.4	4.7	- 2.1	- 2.2	4.3	10.9
H2	183.8	- 4.2	40.8	- 2.2	22.2	0.4	8.9	14.7	23.3	15.3	- 12.8	8.3	- 0.9	2.6	7.5	13.3
2021 H1 H2	188.1 221.4	7.7	40.3 48.7	26.1 18.2	21.5	3.1 0.1	6.9 9.4	12.6 16.5	24.5 24.7	17.8 25.1	119.9 59.1	9.5 11.3	4.8 3.0	0.9	6.9 9.5	13.6 17.7
2022 H1	226.3	22.0	50.1	25.3	22.2	0.6	4.6	11.6	20.9	25.9	46.4	11.5	1.9	- 0.5	6.3	13.5
H2	247.6	13.4	51.8	7.0	20.9	- 1.3	5.2	14.1	24.0	27.8	12.1	11.2	- 0.1	2.2	7.5	15.4
2023 H1	217.1	- 3.6	43.1	- 11.8	19.8	- 1.9	4.7	9.6	19.2	21.4	- 14.4	9.9	- 1.3	- 2.2	4.2	12.0
H2 P	237.6	- 7.5	46.8	- 10.7	19.7	- 0.7	5.9	14.4	23.3	24.4	- 13.0	10.3	- 0.7	0.9	7.3	16.1
			admitted	•	•									•		od financial

* Non-financial groups admitted to the Prime Standard segment of the Frankfurt Stock Exchange which publish IFRS consolidated financial statements on a quarterly or half-yearly basis and make a noteworthy contribution to value added in Germany. Ex-cluding groups engaged in real estate activities. **1** Earnings before interest, taxes, de-preciation and amortisation. **2** Earnings before interest and taxes. **3** Quantile data are based on the groups' unweighted return on sales. **4** Annual figures do not always

match the sum of the two half-year figures. See Quality report on consolidated financial statement statistics, p. 3. **5** Adjusted for substantial changes in the basis of consolidation of large groups and in the reporting sample. See Quality report on consolidated financial statement statistics, p. 6. **6** From 2018 onwards: significant changes in IFRS standards, impairing comparability with previous periods. **7** Including groups in agriculture and forestry.

1. Major items of the balance of payments of the euro area *

€ million

				2023		2024	2024		
Item	2021	2022	2023	Q3	Q4	Q1	February	March	April P
I. Current Account	+ 310,699	- 42,740	+ 229,722	+ 83,491	+ 87,918	+ 105,371	+ 35,523	+ 43,103	+ 34,44
1. Goods									
Receipts	2,502,629	2,958,629	2,899,575	705,860	726,365	717,851	238,981	249,648	254,94
Expenditure	2,227,466	3,049,828	2,650,915	634,025	650,043	616,054	202,084	211,527	221,79
Balance	+ 275,164	- 91,199	+ 248,660	+ 71,835	+ 76,321	+ 101,796	+ 36,897	+ 38,121	+ 33,14
2. Services									
Receipts	1,066,641	1,309,512	1,344,088	350,739	349,624	335,307	109,743	112,688	108,2
Expenditure	967,603	1,152,235	1,223,616	302,247	332,343	312,752	102,879	104,638	96,5
Balance	+ 99,038	+ 157,277	+ 120,473	+ 48,493	+ 17,281	+ 22,555	+ 6,864	+ 8,050	+ 11,7
3. Primary income									
Receipts	888,282	1,072,541	1,213,011	311,813	319,231	289,292	92,004	105,742	105,1
Expenditure	785,012	1,008,462	1,184,327	305,664	283,143	266,362	85,214	94,896	104,6
Balance	+ 103,271	+ 64,080	+ 28,683	+ 6,150	+ 36,087	+ 22,930	+ 6,790	+ 10,847	+ 4
4. Secondary income	150.400	100.040	170.050	20.005	50.201	42.000	12 765	15.000	
Receipts Expenditure	158,408 325,182	168,040 340,939	178,252 346,346	38,985 81,973	50,291 92,064	42,669 84,580	13,765 28,793	15,066 28,981	14,6
Balance	- 166,773	- 172,898	- 168,094	- 42,987	- 41,772	- 41,910	- 15,028	- 13,915	- 10,9
balance	100,775	172,000	100,001	12,507	,,,,,_	,510	13,020		
. Capital account	+ 48,516	+ 147,850	+ 37,316	+ 10,449	+ 20,891	- 11,709	- 3,406	+ 1,078	- 7
. Financial account 1	+ 369,865	+ 52,136	+ 324,887	+ 94,204	+ 120,332	+ 112,005	+ 14,865	+ 57,195	+ 17,3
1. Direct investment	+ 421,009	+ 289,854	+ 6,077	- 10,320	- 7,849	+ 68,288	+ 49,381	+ 9,244	+ 35,
By resident units abroad the euro area	+ 370,949	+ 13,111	- 320,099	+ 4,440	- 308,053	+ 118,290	+ 52,373	+ 40,301	+ 26,9
By non-resident units of	+ 370,949	+ 15,111	- 320,099	+ 4,440	- 306,033	+ 116,290	+ 52,575	+ 40,301	+ 20,
the euro area	- 50,060	- 276,742	- 326,176	+ 14,760	- 300,205	+ 50,002	+ 2,992	+ 31,056	- 8,
2. Portfolio investment	+ 241,851	- 249,580	- 92,887	- 12,459	- 40,253	- 15,581	- 13,543	+ 17,800	- 22,
By resident units abroad									
the euro area Equity and	+ 790,793	- 189,611	+ 432,297	+ 98,534	+ 44,038	+ 174,417	+ 59,093	+ 44,007	+ 22,2
investment fund shares Short-term	+ 362,282	- 175,934	+ 49,415	- 4,257	- 8,043	+ 37,905	- 2,473	+ 333	+ 13,6
debt securities	+ 119,102	- 107,782	+ 96,770	+ 32,174	+ 41,582	+ 12,080	+ 12,295	+ 1,654	- 3,
Long-term debt securities	+ 309,409	+ 94,104	+ 286,111	+ 70,617	+ 10,499	+ 124,432	+ 49,270	+ 42,021	+ 12,"
By non-resident units of									
the euro area	+ 548,942	+ 59,969	+ 525,184	+ 110,993	+ 84,291	+ 189,999	+ 72,636	+ 26,207	+ 44,
Equity and investment fund shares	+ 646,900	+ 38,541	+ 158,010	+ 26,598	+ 84,410	+ 22,644	+ 12,066	- 18,179	+ 36,2
Short-term debt securities	+ 44,452	- 66,303	- 11,743	+ 3,829	- 32,242	- 29,298	- 16,477	+ 9,191	- 46,
Long-term debt securities	- 142,410	+ 87,731	+ 378,917	+ 80,566	+ 32,122	+ 196,653	+ 77,047	+ 35,195	+ 54,
3. Financial derivatives and									
employee stock options	+ 56,314	+ 66,675	+ 17,408	- 1,097	+ 22,979	+ 11,449	+ 11,358	- 11,891	+ 7,3
4. Other investment	- 479,679	- 72,688	+ 406,739	+ 120,255	+ 139,063	+ 46,695	- 33,197	+ 42,574	- 3,
Eurosystem	- 443,466	+ 172,310	+ 318,620	+ 55,540	+ 17,852	+ 76,666	- 26,516	+ 27,146	- 11,
General government	- 72,491	- 48,301	- 3,592	- 2,590	- 10,474	+ 10	- 1,972	+ 1,207	- 1,4
MFIs 2 Enterprises and households	- 117,135	- 301,253	+ 160,317	+ 45,755	+ 149,223	+ 37,370	- 6,077	+ 19,860	+ 1,0
enterprises and nouseholds	+ 153,413	+ 104,556	- 68,606	+ 21,550	- 17,538	- 67,352	+ 1,368	- 5,639	+ 8,2
5. Reserve assets	+ 130,369	+ 17,876	- 12,450	- 2,175	+ 6,390	+ 1,155	+ 866	- 532	+ 8
/. Net errors and omissions	+ 10,650	- 52,974	+ 57,848	+ 264	+ 11,523	+ 18,343	- 17,252	+ 13,014	- 16,3

* Source: ECB, according to the international standards of the International Monetary Fund's Balance of Payments Manual (sixth edition). 1 Increase: + / decrease: -.

2 Excluding the Eurosystem.

2. Major items of the balance of payments of the Federal Republic of Germany (balances)

	nillio														r :	cial c ·				
Cu	irren	t Account	Good	s											Finan	cial account	[3			
То	tal		Total			ich: ementary items 1	Servic	es	Prima		Secor	,	Balanc capital accour		Total		of whi Reserv assets	/e	Errors and omiss	ions 4
+	_	142,744	+	140,626	-	6,605	_	17,642	+	54,524	_	34,764	_	1,858	+	129,693	+	8,648	-	11,19
+++++++++++++++++++++++++++++++++++++++	- - -	147,298 167,340 195,712 184,352 211,477	+ + + +	160,829 162,970 199,531 203,802 219,629	- - - -	6,209 9,357 11,388 12,523 14,296	- - - -	25,255 29,930 30,774 39,321 25,303	+ + + +	51,306 69,087 65,658 63,284 58,646	- - - -	39,582 34,787 38,703 43,413 41,495	+ + - +	1,219 419 413 563 3,255	+ + + +	92,757 120,857 151,417 226,014 230,931	+ + + -	1,613 2,836 1,297 838 2,564	- - + +	55,760 46,900 43,888 42,220 16,200
+++++++++++++++++++++++++++++++++++++++	-	259,781 270,200 255,964 267,609 283,849	+ + + +	248,394 252,409 255,077 221,983 219,548	- - - -	15,405 19,921 13,613 22,985 32,263	- - - -	18,516 20,987 23,994 15,806 13,553	+ + + +	69,324 77,258 77,046 112,389 128,602	- - - -	39,420 38,480 52,165 50,958 50,747	+ + - + -	265 2,451 2,653 914 3,705	+ + + +	237,733 258,906 268,306 242,889 200,312	- + - + -	2,213 1,686 1,269 392 544	- + -	22,31 13,74 14,99 25,63 79,83
+++++++++++++++++++++++++++++++++++++++	-	222,507 263,454 164,630 257,705	+ + +	182,725 196,491 125,916 241,414	- + + -	16,381 2,541 9,742 13,973	+ + -	6,634 1,615 37,289 62,994	+ + + +	86,037 123,181 142,094 143,901	- - -	52,889 57,832 66,091 64,616	- - - -	10,345 2,593 21,644 27,252	+ + + +	168,767 208,978 198,190 239,737	- + + +	51 31,892 4,426 884	- - + +	43,39 51,88 55,20 9,28
++++++	-	64,457 61,257 62,145	+ + +	49,623 50,021 38,842	+ - +	659 75 1,567	+ - -	6,593 6,609 2,897	+ + +	16,972 33,320 42,462	- - -	8,731 15,474 16,263	- + -	2,375 2,074 378	+ + +	72,773 16,358 52,941	+ + +	58 31,199 250	+ - -	10,69 46,97 8,82
+++++++++++++++++++++++++++++++++++++++	-	58,486 27,439 22,413 56,291	+ + + +	37,406 29,673 23,635 35,201	+ + - -	5,570 7,848 610 3,067	+ - -	406 6,775 22,705 8,215	+ + + +	37,066 17,726 38,696 48,606	- - -	16,392 13,185 17,213 19,300	- - - -	3,462 4,694 6,692 6,797	+ + - +	72,054 60,417 19,845 85,565	+ + + +	2,200 597 784 845	+ + - +	17,02 37,67 35,56 36,07
+++++++++++++++++++++++++++++++++++++++	-	68,626 49,603 68,343 71,133	+ + + +	60,219 58,897 65,909 56,390	- - - -	2,339 2,642 1,436 7,557	- - -	10,046 17,562 23,372 12,013	+ + + +	38,191 18,342 41,198 46,169	- - -	19,737 10,075 15,393 19,412	- - - -	13,018 4,058 3,974 6,202	+ + + +	82,418 30,548 28,266 98,505	+ + - +	224 1,096 790 355	+ - - +	26,80 14,99 36,10 33,53
+	-	83,599	+	77,824	-	3,323	-	12,544	+	37,353	-	19,034	-	8,155	+	48,208	+	378	-	27,2
+++++++++++++++++++++++++++++++++++++++	-	25,098 15,642 22,460 20,385	+ + + +	9,154 7,408 16,318 13,680	+++++++++++++++++++++++++++++++++++++++	336 1,263 2,037 2,270	+ + + -	2,151 752 1,099 1,444	+++++++++++++++++++++++++++++++++++++++	18,589 13,109 10,568 13,390	- - -	4,796 5,627 5,525 5,241	+ - -	224 1,107 1,629 726	+ + + -	15,623 27,312 46,824 2,083	- + +	974 309 1,161 730	- + + -	9,6 12,7 25,9 21,7
+++++++++++++++++++++++++++++++++++++++	-	11,194 4,457 11,788	+ + +	6,514 11,167 11,993	+ + +	2,803 4,080 965	- - -	1,383 2,254 3,138	+ - +	11,442 3,089 9,373	- - -	5,378 1,368 6,439	- - -	1,551 2,634 509	+ + +	19,026 1,842 39,549	+ + +	83 161 353	+ + +	9,3 28,2
+++++++	-	8,077 1,341 12,995	+ + +	9,085 3,251 11,299	+ - -	370 694 286	- - -	6,153 9,755 6,797	+ + +	11,982 13,728 12,986	- - -	6,837 5,883 4,493	- - -	3,180 1,234 2,278	- + -	21,413 23,390 21,822	- + +	484 81 1,187	- + -	26,3 23,2 32,5
+++++++++++++++++++++++++++++++++++++++	-	8,848 20,907 26,536	+ + +	7,014 15,339 12,847		407 667 1,993	- - -	5,801 2,284 131	+ + +	13,094 13,933 21,578	- - -	5,460 6,081 7,759		2,335 2,429 2,032	+ - +	41,713 4,927 48,780	+ + -	672 425 252	+ - +	35,2 23,4 24,2
+++++++++++++++++++++++++++++++++++++++	-	18,821 22,557 27,248	+ + +	13,395 20,302 26,522	+ - -	206 525 2,020	- - -	2,113 3,355 4,578	+ + +	12,999 11,025 14,168	- - -	5,458 5,415 8,864	- - -	6,283 984 5,751	- + +	3,003 29,913 55,507	- + +	341 143 423	- + +	15,5 8,3 34,0
+++++++++++++++++++++++++++++++++++++++	-	20,231 6,463 22,909	+ + +	17,355 17,384 24,158	- - -	150 801 1,691	- - -	4,055 6,619 6,888	+ - +	12,006 3,922 10,258	- - -	5,076 380 4,619	- - -	476 2,355 1,228	- + +	31,839 5,358 57,030	+ + +	88 45 962	- + +	51,5 1,2 35,3
+++++++	-	19,428 21,748 27,166	+ + +	21,123 21,168 23,618	- + -	1,987 1,278 726	- - -	7,757 9,908 5,708	+ + +	11,961 15,479 13,759	- - -	5,899 4,991 4,503	- - +	4,836 598 1,460	+ + +	2,756 20,292 5,219	- - -	118 107 566	- - -	11,8 8 23,4
+++++++++++++++++++++++++++++++++++++++	-	9,905 29,200 32,029	+ + +	13,404 25,082 17,904	- - -	826 3,607 3,124	- - +	9,458 2,826 271	+++++++++++++++++++++++++++++++++++++++	12,509 13,543 20,117	- - -	6,550 6,600 6,262	- - +	4,081 4,497 2,375	+ + +	24,465 36,655 37,385	+ + -	858 65 569	+ + +	18,6 11,9 2,9
+++++++++++++++++++++++++++++++++++++++	-	27,112 28,772 27,715	+ + +	23,461 27,105 27,258		1,412 1,009 902	- - -	4,346 3,764 4,434	+ + +	12,404 10,266 14,683	- - -	4,407 4,834 9,793	- - +	7,057 1,597 499	+ + +	8,040 7,039 33,129	- + -	249 1,193 566	- - +	12,0 20,1 4,9
+++		25,142 18,511	+	25,506 26,229	-	1,891 1,237		5,553 8,070	++++	8,307 1,853	-	3,118 1,501	-	2,261 1,656	+++	6,640 19,677	-+	317 156	-+	16,2 2,8

1 For example, warehouse transactions for the account of residents, deductions of goods returned and deductions of exports and imports in connection with goods for processing. **2** Including net acquisition/disposal of non-produced non-financial assets.

 ${\bf 3}$ Net lending: + / net borrowing: -. ${\bf 4}$ Statistical errors and omissions resulting from the difference between the balance on the financial account and the balances on the current account and the capital account.

3. Foreign trade (special trade) of the Federal Republic of Germany, by country and group of countries *

€ million

					2023	2024				
aroup of countries/country		2021	2022	2023	Dec.	Jan.	Feb.	Mar.	Apr.	May
Il countries 1	Exports	1,379,346	1,594,034	1,590,063	115,192	130,793	133,996	136,917	140,730	129,02
	Imports	1,204,050	1,505,434	1,365,809	97,930	108,971	109,411	113,986	116,970	107,04
	Balance	+ 175,296	+ 88,600	+ 224,254	+ 17,262	+ 21,822	+ 24,585	+ 22,931	+ 23,760	+ 21,98
I. European countries	Exports	949,744	1,091,554	1,087,516	76,925	92,765	92,346	94,190	96,244	89,20
	Imports	803,687	973,063	881,717	62,030	71,877	72,610	73,638	76,312	68,50
	Balance	+ 146,057	+ 118,492	+ 205,799	+ 14,895	+ 20,888	+ 19,736	+ 20,553	+ 19,931	+ 20,63
1. EU Member States (27)	Exports	751,322	878,642	874,623	61,331	75,064	74,137	75,887	76,794	71,8
	Imports	638,064	737,668	719,532	50,439	58,567	58,848	60,576	62,719	56,1
	Balance	+ 113,259	+ 140,974	+ 155,091	+ 10,892	+ 16,497	+ 15,289	+ 15,311	+ 14,075	+ 15,7
Euro area (20) countries	Exports Imports Balance	525,992 440,248 + 85,744	617,068 506,865 + 110,203	614,682 480,070 + 134,612	43,327 33,986 + 9,340	52,466 38,722 + 13,744	51,929 38,854 + 13,075	52,790 40,235 + 12,555	53,876 41,476 + 12,400	49,9 37,4 + 12,4
of which: Austria	Exports Imports Balance	72,385 47,492 + 24,893	90,270 58,137 + 32,134	81,992 54,588 + 27,403	5,608 3,831 + 1,777	6,802 4,206 + 2,596	6,713 4,420 + 2,293	6,953 4,493 + 2,460	7,029 4,796 + 2,233	6,4 4,2 + 2,1
Belgium and Luxembourg	Exports Imports Balance	58,080 55,726 + 2,354	70,933 67,071 + 3,861	69,220 56,910 + 12,309	4,909 3,830 + 1,079	5,698 4,249 + 1,449	5,754 4,240 + 1,514	5,881 4,611 + 1,270	5,966 4,652 + 1,313	5,4 4,0 + 1,4
France	Exports	102,741	118,168	120,221	8,794	10,693	10,740	10,446	11,277	9,6
	Imports	61,921	69,969	69,755	5,190	5,879	5,978	5,859	6,011	5,3
	Balance	+ 40,820	+ 48,198	+ 50,465	+ 3,604	+ 4,813	+ 4,761	+ 4,587	+ 5,266	+ 4,2
Italy	Exports	75,526	89,191	87,169	6,004	7,446	7,248	7,514	7,093	7,1
	Imports	65,389	73,177	72,167	4,977	5,749	5,917	5,997	6,016	5,7
	Balance	+ 10,137	+ 16,014	+ 15,002	+ 1,027	+ 1,697	+ 1,331	+ 1,516	+ 1,077	+ 1,4
Netherlands	Exports	101,050	112,261	115,318	8,356	9,657	9,329	9,994	10,104	9,2
	Imports	105,113	114,998	104,872	7,988	8,683	8,104	8,649	8,561	8,0
	Balance	- 4,063	- 2,737	+ 10,446	+ 368	+ 974	+ 1,225	+ 1,345	+ 1,543	+ 1,2
Spain	Exports	43,932	49,935	54,598	3,744	4,894	4,781	4,678	4,806	4,1
	Imports	34,180	37,756	39,232	3,065	3,191	3,317	3,417	3,724	3,2
	Balance	+ 9,752	+ 12,178	+ 15,366	+ 679	+ 1,703	+ 1,464	+ 1,260	+ 1,082	+ 1,5
Other EU Member States	Exports Imports Balance	225,331 197,815 + 27,515	261,574 230,803 + 30,772	259,941 239,462 + 20,479	18,004 16,453 + 1,551	22,598 19,845 + 2,753	22,208 19,994 + 2,214	23,097 20,341 + 2,756	22,918 21,243 + 1,675	21, 18, + 3,
2. Other European countries	Exports	198,421	212,912	212,893	15,594	17,701	18,209	18,303	19,449	17,3
	Imports	165,623	235,395	162,185	11,590	13,310	13,761	13,061	13,593	12,4
	Balance	+ 32,798	- 22,483	+ 50,708	+ 4,004	+ 4,391	+ 4,447	+ 5,242	+ 5,856	+ 4,8
of which: Switzerland	Exports Imports Balance	60,638 49,247 + 11,391	70,611 55,723 + 14,888	66,585 51,815 + 14,770	4,637 3,647 + 990	5,818 4,258 + 1,559	5,682 4,599 + 1,083	5,942 4,659 + 1,283	6,436 4,501 + 1,936	5,6 4,1 + 1,5
United Kingdom	Exports	65,002	73,764	78,466	6,050	6,807	6,871	6,884	7,431	6,4
	Imports	32,245	40,314	36,679	2,442	3,191	3,113	2,965	3,115	2,6
	Balance	+ 32,757	+ 33,449	+ 41,787	+ 3,609	+ 3,616	+ 3,758	+ 3,919	+ 4,316	+ 3,7
. Non-European countries	Exports Imports Balance	427,430 399,604 + 27,827	497,428 531,409 - 33,982	497,715 482,727 + 14,988	37,932 35,765 + 2,167	37,681 36,962 + 719	41,306 36,643 + 4,662	42,361 40,162 + 2,199	44,051 40,447 + 3,605	39, 38, + 1,
1. Africa	Exports	23,068	26,462	28,737	2,656	2,176	2,180	2,168	2,276	2,
	Imports	26,241	34,213	32,806	2,568	2,742	2,388	2,801	2,836	2,
	Balance	- 3,173	- 7,751	- 4,070	+ 89	- 566	- 208	- 633	- 560	-
2. America	Exports	167,735	210,652	216,567	15,815	16,309	18,528	19,327	20,275	17,9
	Imports	101,525	131,979	130,550	10,625	11,067	10,193	11,242	11,386	10,4
	Balance	+ 66,210	+ 78,673	+ 86,016	+ 5,190	+ 5,242	+ 8,334	+ 8,085	+ 8,889	+ 7,5
of which: United States	Exports Imports Balance	121,980 72,316 + 49,664	156,208 93,338 + 62,871	157,954 94,685 + 63,269	11,385 7,704 + 3,681	11,940 7,952 + 3,988	13,834 7,270 + 6,565	14,370 7,859 + 6,510	14,557 8,101 + 6,456	12,9 7,6 + 5,2
3. Asia	Exports Imports Balance	+ 49,664 224,897 267,604 - 42,707	+ 62,871 246,289 357,702 - 111,413	238,653 313,179 - 74,526	18,330 22,045 - 3,715	18,245 22,772 - 4,527	+ 6,565 19,406 23,574 - 4,168	19,821 25,727 - 5,906	20,386 25,813 – 5,427	18, ² 24,6 – 6,5
of which:	Exports	26,090	29,648	32,045	2,667	2,454	2,705	2,667	2,722	2,(
Middle East	Imports	7,509	13,304	15,884	807	646	634	966	1,278	1,
Japan	Balance	+ 18,582	+ 16,344	+ 16,161	+ 1,860	+ 1,808	+ 2,072	+ 1,701	+ 1,445	+ 1,4
	Exports	18,245	20,511	20,240	1,527	1,814	1,756	1,587	1,514	1,4
	Imports	23,477	25,413	25,641	1,769	1,945	1,949	2,085	2,087	1,8
	Balance	- 5,232	- 4,902	- 5,401	- 242	- 131	- 193	- 498	- 572	- 3
People's Republic of China ²	Exports Imports Balance	103,564 142,964 – 39,400	106,762 192,830 - 86,068	97,328 157,157 - 59,829	7,241 11,433 - 4,192	7,659 11,588 – 3,929	7,946 12,007 - 4,062	8,422 13,289 - 4,867	8,770 12,674 – 3,905	7,4 12,4 – 4,9
New industrial countries	Exports	55,295	63,344	60,926	4,763	4,493	4,809	5,027	5,183	4,4
and emerging markets	Imports	55,441	71,012	66,521	4,591	4,740	5,016	5,082	5,310	4,9
of Asia 3	Balance	– 146	- 7,668	– 5,594	+ 172	- 247	– 208	– 55	– 127	- 4
4. Oceania and polar regions	Exports	11,731	14,024	13,759	1,131	952	1,192	1,046	1,114	1,0
	Imports	4,233	7,515	6,191	527	381	488	392	411	2
	Balance	+ 7,497	+ 6,510	+ 7,568	+ 603	+ 570	+ 704	+ 654	+ 703	+ 6

* Source: Federal Statistical Office. Exports (f.o.b.) by country of destination, Imports (c.i.f.) by country of origin. Individual countries and groups of countries according to the current position. Euro area incl. Croatia. 1 Including fuel and other supplies for

ships and aircraft and other data not classifiable by region. **2** Excluding Hong Kong. **3** Brunei Darussalam, Hong Kong, Indonesia, Malaysia, Philippines, Republic of Korea, Singapore, Taiwan and Thailand.

4. Services and primary income of the Federal Republic of Germany (balances)

	€ mill	ion																				
	Servio	es															Prima	ry income				
			of w	nich:																		
	Total		Trans	port	Trave	· 1	Finar		the u	ges for use of lectual erty	catio com	outer and mation	Othe busir servio	iess	Gouve goods servic			ensation ployees	Inve	stment me	Other prima incom	ry
9	-	13,553	+	3,607	-	45,947	+	10,755	+	18,368	-	9,763	-	2,948	+	3,489	+	492	+	128,990	-	880
0 1 2 3	+ + -	6,634 1,615 37,289 62,994	- - -	5,392 6,717 11,246 9,907	- - - -	14,678 24,323 54,946 68,937	+ + + +	9,696 8,280 8,910 9,206	+ + + +	18,149 31,784 29,373 21,219	- - - -	7,941 9,449 12,432 11,931	- - -	4,483 9,922 10,206 14,316	+ + + +	2,920 3,058 3,617 3,345	+ + + +	4,422 3,744 4,093 4,079	+ + + +	83,747 122,198 143,330 144,527	- - -	2,133 2,762 5,330 4,706
2 Q3 Q4	=	22,705 8,215	-	3,706 2,447	-	22,506 13,323	+++	2,084 2,600	++++	5,742 5,965	-	3,735 2,300	-	3,897 1,776	+++	984 739	++++	226 1,184	+++	40,032 44,713	-+	1,561 2,709
3 Q1 Q2 Q3 Q4	- - -	10,046 17,562 23,372 12,013	- - -	3,012 1,729 2,514 2,651	- - -	11,374 18,332 23,333 15,899	+ + + +	1,927 2,390 2,572 2,318	+ + + +	5,683 4,679 4,893 5,965	- - - -	4,044 2,580 3,568 1,740	- - -	3,185 4,601 4,389 2,142	+ + + +	1,037 873 805 630	+ + + +	1,769 911 205 1,194	+ + + +	38,089 21,388 42,403 42,647	- - +	1,668 3,957 1,409 2,328
4 Q1	-	12,544	-	1,972	-	12,612	+	2,659	+	4,846	-	3,777	-	4,363	+	949	+	1,747	+	36,356	-	749
3 July Aug. Sep.	=	7,757 9,908 5,708		586 1,022 906		6,504 8,691 8,138	+++++++++++++++++++++++++++++++++++++++	797 962 813	++++++	1,052 796 3,045	- - -	1,644 1,137 787		1,598 1,693 1,097	+ + +	200 298 306	+ + +	69 65 70	+ + +	12,328 15,920 14,155		436 506 467
Oct. Nov. Dec.	- - +	9,458 2,826 271		1,149 741 761		9,567 3,771 2,561	+ + +	451 805 1,061	++++++	2,239 2,177 1,549	- - +	1,433 450 143	- - +	797 1,436 91	+ + +	329 149 152	+ + +	353 345 496	+ + +	12,659 13,523 16,465	- - +	503 325 3,156
4 Jan. Feb. Mar.	=	4,346 3,764 4,434		556 387 1,029		3,613 3,884 5,115	+++++++++++++++++++++++++++++++++++++++	827 720 1,112	+++++++++++++++++++++++++++++++++++++++	1,492 1,228 2,126	- - -	1,648 1,269 860		1,850 933 1,580	+ + +	349 296 304	+ + +	577 586 584	+ + +	12,265 10,047 14,044	- - +	438 368 56
Apr. r May p	-	5,553 8,070	=	400 795	-	5,214 7,000	+++	831 986	++++	2,132 1,159	-	1,666 1,043	-	1,996 2,039	+++	303 116	+++	300 302	++++	8,421 1,780	-	414 229

 ${\bf 3}$ Includes, inter alia, taxes on leasing, production and imports transferred to the EU as well as subsidies received from the EU.

5. Secondary income and Capital account of the Federal Republic of Germany (balances)

	€ millic	on																		
	Second	dary incom	e												Capita	l account				
			Genera	al governm	nent				All sec	tors exclud	ling g	eneral goverr	nment 2	2						
					of wh	iich:					of w	/hich:								
Zeit	Total		Total			nt lational eration 1	Currer taxes incom etc.		Total		betv resic non-	onal transfers veen lent and -resident seholds 3	of whi Worke remitt	ers'	Total			produced nancial	Capita transfe	
2019	-	50,747	-	30,251	-	11,473	+	11,591	-	20,496			-	5,431	-	3,705	-	298	-	3,407
2020 2021 2022 2023	- - - -	52,889 57,832 66,091 64,616	- - -	34,755 35,627 40,174 36,933	- - -	12,175 9,927 16,147 15,557	+ + + +	10,767 11,886 14,051 14,302	- - -	18,134 22,205 25,917 27,683		5,920 6,178 8,028 7,418	- - -	5,908 6,170 7,149 6,805	- - -	10,345 2,593 21,644 27,252	- - -	3,547 565 15,993 19,116	- - -	6,799 2,028 5,652 8,136
2022 Q3 Q4	=	17,213 19,300	-	11,247 12,801	=	3,569 6,976	+++	2,137 2,089	-	5,966 6,499	=	1,837 1,844	-	1,810 1,810	-	6,692 6,797	-	4,955 4,390	-	1,737 2,407
2023 Q1 Q2 Q3 Q4	- - - -	19,737 10,075 15,393 19,412	- - -	10,976 3,809 9,533 12,615	- - - -	4,301 2,117 3,111 6,029	+ + + +	2,404 7,721 2,062 2,115	- - -	8,761 6,265 5,860 6,797		1,882 1,846 1,844 1,846	- - -	1,731 1,691 1,691 1,691	- - -	13,018 4,058 3,974 6,202		10,626 3,071 2,270 3,149	- - -	2,392 987 1,703 3,053
2024 Q1	-	19,034	-	7,180	-	1,672	+	2,775	-	11,854	-	1,935	-	1,933	-	8,155	-	6,849	-	1,307
2023 July Aug. Sep.		5,899 4,991 4,503	- - -	3,861 3,161 2,511		1,293 1,057 761	+ + +	543 389 1,130	- - -	2,038 1,830 1,992		615 614 615	- - -	564 564 564	- - +	4,836 598 1,460	- - +	3,670 439 1,839		1,166 159 378
Oct. Nov. Dec.	- - -	6,550 6,600 6,262	- - -	4,423 4,444 3,748		1,562 1,718 2,748	+ + +	399 453 1,262	- - -	2,127 2,155 2,515		611 612 623	- - -	560 560 571	- - +	4,081 4,497 2,375	- - +	3,423 3,416 3,691	- - -	657 1,081 1,315
2024 Jan. Feb. Mar.	- - -	4,407 4,834 9,793	- - -	2,250 2,461 2,469		709 667 296	+ + +	534 1,122 1,119	- - -	2,157 2,374 7,324		645 645 644	- - -	644 644 644	- - +	7,057 1,597 499	- - +	5,390 1,858 400	- + +	1,667 261 99
Apr. r May p	=	3,118 1,501	- +	1,018 722	-	432 392	+ +	1,837 3,764		2,100 2,223	-	646 643		644 644		2,261 1,656	-	2,945 1,651	+ -	684 5

 $1\,$ Excluding capital transfers, where identifiable. Includes current international cooperation and other current transfers. $2\,$ Includes insurance premiums and claims

(excluding life insurance policies). ${\bf 3}$ Transfers between resident and non-resident households.

6. Financial account of the Federal Republic of Germany (net)

€ million

				2023		2024	2024		
Item	2021	2022	2023	Q3	Q4	Q1	March	April r	May P
. Net domestic investment abroad									
(increase: +)	+ 801,268	+ 322,457	+ 267,197	+ 24,562	+ 118,505	+ 176,302	+ 32,291	+ 23,985	+ 60,4
1. Direct investment	+ 167,477	+ 170,303	+ 74,679	- 9,713	+ 44,069	+ 27,451	+ 19,399	+ 12,429	+ 2,3
Equity	+ 107,462	+ 104,545	+ 62,650	+ 11,722	+ 15,003	+ 20,776	+ 1,654	+ 11,399	+ 5,6
of which:	,						,		
Reinvestment of earnings 1	+ 45,048	+ 57,927	+ 46,188	+ 16,123	+ 8,766	+ 21,056	+ 8,272	+ 9,081	+ 5,1
Debt instruments	+ 60,014	+ 65,758	+ 12,030	- 21,434	+ 29,066	+ 6,675	+ 17,745	+ 1,029	- 3,2
2. Portfolio investment	+ 178,741	+ 9,165	+ 149,308	+ 11,882	+ 18,941	+ 61,661	+ 33,778	+ 2,653	+ 16,5
Shares ²	+ 46,651	- 15,337	- 5,273	- 5,128	+ 637	+ 4	+ 1,474	+ 179	+ 4,3
Investment fund shares 3	+ 122,885	+ 29,718	+ 23,457	+ 6,240	+ 2,741	+ 21,543	+ 4,902	+ 4,992	+ 7,8
Short-term 4									
debt securities	- 98	+ 16,199	+ 9,292	+ 3,105	+ 3,059	+ 6,578	+ 1,913	+ 3,593	- 2,5
Long-term 5									
debt securities	+ 9,303	- 21,415	+ 121,832	+ 7,665	+ 12,504	+ 33,536	+ 25,489	- 6,111	+ 6,8
3. Financial derivatives and	47.000	41 5 10	20.000	. 12.71	244	6 430	1 405		_
employee stock options 6	+ 47,880	+ 41,519	+ 39,966	+ 12,714		+ 6,439	- 1,495	+ 5,343	
 Other investment 7 MFIs 8 	+ 375,278 + 112,904	+ 97,044 + 59,472	+ 2,359 + 42,150	+ 10,469 + 20,168		+ 80,373 + 98,981	- 18,824 - 3,161	+ 3,877 + 11,405	+ 41,4 + 30,9
Short-term	+ 112,904 + 99,380	+ 39,472	+ 16,508	+ 20,100	- 35,986	+ 96,961	- 3,636	+ 9,103	+ 29,3
Long-term	+ 13,204	+ 24,473	+ 25,575	+ 17,766		+ 4,861	+ 485	+ 2,298	+ 1,6
Enterprises and	+ 15,204	+ 24,475	+ 25,575	+ 17,700	+ 15,204	+ 4,001	+ +05	+ 2,250	- 1,0
households 9	+ 147,223	+ 48,475	+ 125,919	+ 16,590	+ 19,110	+ 19,441	- 4,102	+ 12,010	- 2,3
Short-term	+ 114,647	+ 24,730	+ 107,673	+ 11,913	+ 15,696	+ 15,043	- 6,804	+ 10,143	- 2,4
Long-term	- 13,302	- 7,670	+ 1,130	+ 1,358	· · ·	- 378	+ 321	- 15	- 1,3
General government	- 8,243	- 25,070	+ 6,629	- 3,450		- 3,312	- 1,540	- 102	- 9
Short-term	- 7,256	- 23,472	+ 2,165	- 3,304		- 3,095	- 1,471	- 21	- 7
Long-term	- 978	- 1,593	+ 4,449	- 145	- 718	- 216	- 69	- 80	- 1
Bundesbank	+ 123,394	+ 14,167	- 172,339	- 22,840	+ 53,785	- 34,737	- 10,020	- 19,437	+ 13,6
5. Reserve assets	+ 31,892	+ 4,426	+ 884	- 790	+ 355	+ 378	- 566	- 317	+ 1
I. Net foreign investment in the reporting country (increase: +)	+ 592,289	+ 124,267	+ 27,460	- 3,705	+ 20,000	+ 128,094	- 838	+ 17,344	+ 40,7
reporting country (increase. +)	+ 592,209	+ 124,207	+ 27,400	- 5,705	+ 20,000	+ 120,094	- 030	+ 17,544	+ 40,7
1. Direct investment	+ 85,983	+ 58,137	+ 14,975	- 14,410	+ 16,119	+ 15,044	+ 3,605	+ 6,328	- 9
Equity	+ 46,474	+ 22,102	+ 24,920	- 2,525	+ 6,251	+ 16,228	+ 3,102	+ 1,007	- 2,3
of which:									
Reinvestment of earnings 1	+ 8,359	+ 10,299	+ 2,668	+ 753	+ 2,010	+ 5,133	+ 614	- 1,374	- 3,1
Debt instruments	+ 39,509	+ 36,035	- 9,945	- 11,885		- 1,184	+ 503	+ 5,321	+ 1,3
2. Portfolio investment	- 18,451	- 1,568	+ 148,156	+ 62,206		+ 58,313	+ 21,385	+ 3,026	+ 9,1
Shares 2	+ 2,615	- 5,807	- 12,984	- 1,351	- 47	- 4,197	- 2,080	- 1,594	+
Investment fund shares 3	- 8,423	- 3,207	- 1,984	- 1,583	- 232	- 467	+ 352	+ 821	- 3
Short-term 4 debt securities	+ 30,545	- 32,717	+ 3,936	- 2,131	- 6,138	- 20,838	+ 5,759	- 24,014	- 3,1
Long-term 5	+ 50,545	- 52,717	+ 5,950	_ 2,131	- 0,158	- 20,838	+ 5,759	- 24,014	- ^{3,1}
debt securities	- 43,188	+ 40,163	+ 159,188	+ 67,271	+ 6,221	+ 83,815	+ 17,354	+ 27,814	+ 12,5
3. Other investment 7	+ 524,758	+ 67,698	- 135,671	- 51,501	+ 4,077	+ 54,737	- 25,828	+ 7,990	+ 32,5
MFIs 8	+ 161,287	+ 153,003	- 55,282	- 35,891		+ 139,975	- 2,075	- 3,504	+ 9,6
Short-term	+ 115,265	+ 160,861	- 88,243	- 50,804		+ 140,506	+ 8,700	- 9,981	+ 18,2
Long-term	+ 46,044	- 7,860	+ 32,959	+ 14,912		- 526	- 10,776	+ 6,476	- 8,5
Enterprises and	-,-							., .	
households 9	+ 141,138	+ 11,086	+ 58,576	- 13,249	+ 35,026	+ 26,282	- 13,462	+ 24,766	+ 13,6
Short-term	+ 99,842	- 8,533	+ 31,822	- 18,460		+ 17,220	- 16,039	+ 23,758	+ 12,4
Long-term	+ 14,022	+ 8,384	+ 16,865	+ 2,788		+ 6,124	+ 1,616	+ 35	+ 2
General government	- 4,463	- 5,674	- 717	+ 2,898	- 4,126	+ 2,314	+ 2,886	- 703	- 4
Short-term	- 2,134	- 3,293	- 1,066	+ 2,790	- 4,554	+ 2,346	+ 2,901	- 498	- 3
Long-term	- 2,326	- 2,379	+ 540	+ 299	+ 428	- 31	- 15	- 205	-
Bundesbank	+ 226,796	- 90,717	- 138,249	- 5,260	+ 67,112	- 113,835	- 13,177	- 12,569	+ 9,6
II. Net financial account	1								

 Estimated on the basis of the figures on the level of direct investment stocks abroad and in the Federal Republic of Germany (see Statistical series, direct investment statistics).
 Including participation certificates.
 Including reinvestment of earnings.
 Short-term: original maturity up to one year.
 Up to and including 2012 without accrued interest. Long-term: original maturity of more than one year or unlimited. 6 Balance of transactions arising from options and financial futures contracts as well as employee stock options. 7 Includes in particular loans, trade credits as well as currency and deposits. 8 Excluding Bundesbank. 9 Includes the following sectors: financial corporations (excluding monetary financial institutions) as well as non-financial corporations, households and non-profit institutions serving households.

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XII. External sector

7. External position of the Bundesbank *

2004 93,110 71,33 35,495 1,512 5,036 29,22 21,110 7,851 665 95,014 - 1 2005 110,438 84,185 53,333 1469 33,786 43,164 53,995 952 113,437 - 134,385 35,775 122,577 122,577 122,577 122,578 122,578 122,578 122,578 122,584 134,495 34,775 122,583 22,577 122,583 22,776 122,593 22,676 122,002 115,566 2,570 122,531 24,666 232,714 32,721 22,775 122,977 122,714 143,753 14,104 4,635 27,977 122,917 14,104 4,635 27,977 122,917 14,917 14,917 12,817 7,616 23,718 14,917 14,917 14,917 14,917 14,917 14,917 14,918 3,917 14,917 14,917 14,917 14,917 14,917 14,917 14,917 14,917 14,917 14,917 1		€ million										
End of reporting period Total Gold and gold and gold receivable first Special register Reserve methe the Min Currency, countes forul of whith the count is counted in the the Min the counted in the the Min the count is counted in the Min the counted in the the Min the counted in the Min the counted in the Min the count is counted in the Min the Counted in the Counted in the Min		External asset	s					_				
End offing prend Fred Ford Specing offic Reserve be low Currany, exclusion Classion biol Payrole biolicity Estenal powerment Method biolicity 199 Jun 5 93.310 93.490 29.312 1.598 6.686 50.100 1.376 1- - 9.000 9.000 9.000 9.000 9.000 9.000 1.512 5.000 20.202 2.110 7.435 6.665 9.000 1.15,377 - - 1.42 20007 130.268 86.818 4.792.4 1.1501 1.2448 1.866 1.000 2.9078 1.010.20 2.0078 2.001 1.553 1.448 1.2640 1.866 2.000 2.2708 2.27			Reserve asset	S				Other investme	ent			
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2004 93,110 71,33 35,495 1,512 5,036 29,292 21,110 7,851 665 95,014 - 1 2005 110,438 84,184 37,334 1,1601 37,784 43,184 59,959 99,22 113,4377 - 134,393 134,393 134,959 99,255 134,493 99,275 129,075 129,075 129,075 129,075 129,075 129,075 129,075 129,075 129,075 129,075 129,075 129,075 144,104 46,375 27,957 129,028 177,935 7,748 124,076 124,076 124,076 124,077 12,017 14,104 46,372 129,737 44,076 124,077 12,817 7,961 23,0761 44,076 124,977 12,817 7,961 23,0761 44,076 124,979 12,817 44,084 43,0493 7,714 44,078 44,074 44,349 44,014 44,349 44,014 44,349 43,0493 7,7128 77,728 77,728 77,728 <td></td> <td></td> <td></td> <td></td> <td>1.500</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					1.500							
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2006 104,889 84,765 53,114 1,525 1,486 22,640 18,669 5,399 928 134,677 - 30 2008 230,775 99,185 66,194 1,576 1,709 22,694 84,200 71,565 2,570 237,893 - 7.7 2009 23,286 162,100 115,493 14,101 4,645 27,997 337,931 4,673 37,954 4,673 37,954 4,673 37,954 4,673 37,954 4,673 37,954 4,673 37,954 4,673 37,954 4,673 37,954 4,673 30,00 32,955 30,00 53,00 34,959 32,215 510,201 54,844 401,534 44,959 34,937 7,961 12,837 39,663 38,210 44,539 441,77 31,838 8,700 22,744 460,846 44,539 441,77 31,839 6,813 31,493 79,661 11,82,91 31,439 5,81 11,81,846 11,52,57 1,51,562	2004	93,110	71,335	35,495	1,512	5,036	29,292	21,110	7,851	665	95,014	- 1,904
2007 179,492 92,555 62,433 1,469 949 27,694 84,420 71,046 2,527 176,569 2,775 2009 323,286 125,541 83,393 13,763 2,705 337,921 325,563 246,74 237,757 337,921 325,553 24,674 273,241 230,757 337,921 325,553 24,674 273,241 230,732 337,921 325,553 24,674 273,241 230,732 337,921 325,553 24,674 273,241 243,373 330,921 2014 678,640 158,745 107,475 142,261 6,364 30,646 473,274 460,846 46,784 396,314 2202 2015 800,709 179,572 119,233 14,338 6,581 34,493 767,128 754,233 441,757 592,723 397 2017 1,42,845 173,381 14,466 6,513 32,379 90,645 894,210 443,59 441,4757 441,4757 455,50 771,519 1,42,												– 14,891 – 30,308
2009 323,266 125,541 83,393 13,263 2,705 25,634 190,288 177,935 7,468 247,645 75 2010 524,695 162,100 115,403 14,104 4,636 27,957 337,921 325,553 24,674 273,241 231 337,00 338,005 337,321 3380 2013 271,741 188,750 132,751 13,383 8,760 28,713 510,210 54,844 405,244 320 320,333 310,210 54,844 405,244 320 320,333 310,761 320,846 473,274 460,846 46,744 396,314 322,333 310,765 300,941 52,238 666,527 4747 2016 99,9450 175,756 119,253 14,338 6,581 34,993 767,128 754,263 447,557 592,723 397 2017 1,42,825 219,177 166,942 1,13,785 590,676 990,945 952,195 770,519 433 770,519 436,477	2007	179,492	92,545	62,433	1,469	949	27,694	84,420	71,046	2,527	176,569	2,923
D010 526,695 16,100 115,403 14,104 4,636 27,957 337,921 325,553 44,674 533,730 380 2011 21,1662 188,630 132,874 14,118 8,178 22,433 47,594 443,311 54,065 333,730 380 2013 721,741 143,753 9,876 12,837 7,961 28,080 523,155 510,001 54,834 401,524 326,31 2016 990,455 115,755 110,7975 14,261 6,364 34,439 566,102 65,284 47,557 592,723 7197 2016 990,455 173,786 117,347 13,987 31,437 596,519 52,2031 663,320 497 2019 1,160,971 199,295 146,552 14,642 6,051 32,039 990,645 895,219 52,031 663,320 497 2021 1,422,236 271,318 14,642 6,051 32,039 990,645 895,219 52,031 663,320												- 7,118 75,641
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2014 678,804 158,745 107,475 14,261 6,364 30,646 473,274 460,846 46,784 396,314 2282 2015 800,709 155,552 105,792 15,185 5,132 33,423 596,638 584,210 445,539 441,787 3387 2017 1,142,845 166,842 117,347 13,387 4,294 31,215 923,765 906,941 52,238 6663,227 447 2019 1,160,971 199,295 146,562 14,642 6,051 32,039 999,645 895,219 52,031 6663,320 497 2020 1,429,236 261,387 144,6431 8,426 32,649 1,276,150 1,260,075 52,251 793,844 6675 2022 1,617,056 276,488 184,036 48,567 9,480 33,166 1,163,561 1,149,868 54,168 807,889 671 1,457,582 273,2726 184,755 46,931 8,504 33,168 1,163,561 1,149,												496,003
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2016 990,450 175,765 119,233 14,938 6,581 34,993 767,128 754,263 47,557 592,723 397 2017 1,142,845 17,347 13,987 4,294 31,15 923,755 966,190 56,284 770,519 4474 2018 1,160,971 199,295 146,562 14,042 6,051 32,039 909,645 895,219 52,031 666,320 4479 2020 1,429,236 219,127 166,904 44,01 84,46 32,066 1,152,757 1,136,002 57,353 781,339 647 2022 1,455,788 292,259 201,335 48,766 8,782 33,76 1,117,978 1,093,371 45,550 774,786 677 2022 Jan. 1,491,558 288,953 166,274 48,717 8,663 33,965 1,164,681 1,135,400 53,923 790,221 770,786 774,786 774,786 774,786 774,786 774,786 774,786 774,786 774,786	2015	800.709	159,532	105.792	15,185	5,132	33,423	596.638	584.210	44.539	481.787	318,921
20181,209,982173,138121,44514,3785,51831,796980,560966,19055,281770,51943920191,469,971199,295146,56214,6426,51832,039909,645895,21952,031663,320449720201,429,236219,177166,90414,0148,14330,0661,152,7571,136,00255,2851,009,48858320221,617,056276,488184,03648,5679,48034,4041,290,3171,269,07659,251919,4416972022 Jan.1,479,694261,965173,36246,9318,50433,1681,163,5611,149,86854,168807,889671Feb.1,441,552273,726184,25546,8548,71133,9051,164,0981,149,72253,729774,7867706Mar.1,516,574277,782184,72748,6178,79935,2631,148,6811,135,40053,923790,221700May1,506,479281,579187,57348,6178,79935,2631,148,6811,135,40053,923790,221700June1,545,707280,910185,95049,6549,90836,4091,179,4311,166,15554,229840,5179700July1,514,570280,160185,95049,6549,30836,4091,179,4311,266,64750,483829,129743Aug.1,565,9272274,421178,10149,657	2016	990,450	175,765	119,253	14,938	6,581	34,993	767,128	754,263	47,557	592,723	397,727
20191,160,971199,295146,56214,6426,05132,039909,645895,21952,031663,32049720201,429,236219,127166,90414,0148,14330,0661,152,7571,136,00255,2851,009,48858820211,552,825261,387173,861448,5679,48032,6491,226,1501,266,07655,2851,009,48864720231,455,788229,259201,33548,7668,78233,3761,117,9781,099,37145,550779,8446672022 Jan.1,445,788227,372184,25546,69318,60433,1661,163,5611,149,85254,462808,690778Apr.1,491,558228,953196,274448,6178,79935,2631,148,6811,159,71653,863805,179700Mar.1,556,499228,157187,773448,6178,94835,9231,126,15052,767826,2807739June1,566,099281,157187,573448,6178,99835,9231,128,1871,159,71653,869805,179700May1,505,419228,176184,95449,6149,30036,4091,179,4311,66,15554,225810,881773July1,514,570280,160185,95049,6459,30036,4091,128,1871,245,01452,225810,881774Nov.1,577,175277,458184,02549,6169,315<												474,318 439,462
2021 1,592,822 221,387 173,821 46,491 8,426 32,649 1,276,150 1,260,673 55,285 1,009,488 583,285 2022 1,455,788 292,259 201,335 48,766 8,782 33,376 1,1290,317 1,260,073 55,285 1,009,488 583,285 2022 1,455,788 292,259 201,335 48,766 8,782 33,376 1,129,317 1,260,073 55,285 1,009,488 583,697 Peb. 1,491,552 227,7782 184,255 46,854 8,711 33,905 1,144,098 1,149,722 53,729 774,786 774,786 Mar. 1,491,558 288,953 196,274 48,617 8,799 35,263 1,148,681 1,135,400 53,923 790,221 770 May 1,566,099 281,157 187,573 48,712 8,948 34,980 1,173,376 1,156,155 52,267 386,5179 700 June 1,566,097 280,100 184,592 9,9465 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>497,651</td></t<>												497,651
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Feb.1,491,552273,726184,25546,8548,71133,9051,164,0981,149,72253,729774,786716Mar.1,516,744277,782187,77947,3758,66333,9651,184,5011,169,95254,462808,690708May.1,491,558288,953196,7748,0178,79935,2631,148,6811,135,40053,923790,221701June1,566,099281,157187,57348,7128,94835,9231,232,1761,159,71653,869805,179700Aug.1,590,572280,100185,95049,4659,08636,4091,179,4311,166,15554,229810,881703Aug.1,590,572280,100184,79449,6149,30036,4511,258,1871,245,01452,225842,576747Sep.1,617,008281,258184,02250,2879,52737,1191,243,8731,230,00550,977811,035788Nov.1,577,175277,488183,05249,1689,31535,9231,248,0881,230,90550,257919,4416972023 Jan.1,508,507281,692190,66248,2569,43733,9381,176,0421,162,35449,189743,006712May.1,435,049280,820184,93548,5679,48034,4041,290,3171,266,07650,251919,441697Apr.1,431,180285,667194,67947,642 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>675,943</td></t<>												675,943
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Apr. May June1,491,558 1,505,419 281,157288,953 281,157196,274 186,481 186,48148,017 48,017 48,011 48,011 8,68135,263 34,9801,148,681 34,9801,135,400 1,1216,53053,923 52,767790,221 820,570700 826,280July Aug. 1,590,5721,514,570 280,160280,910 184,794185,950 184,79449,614 49,6149,308 9,30836,451 37,5921,281,266 1,281,26654,229 1,281,266810,881 52,225703 842,576Oct. Nov. 1,577,175274,421 276,488178,101 184,03649,675 448,6759,527 9,35837,199 34,4041,243,671 1,243,6731,230,005 1,238,186750,927 1,243,60450,927 50,927811,035 810,314768 7692023 Jan. Feb. Mar1,508,507 1,552,724281,692 												716,766 708,055
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June1,566,099281,157187,57348,7128,94835,9231,232,1761,216,53052,767826,280739July1,514,570280,910185,95049,4659,08636,4091,179,4311,166,15554,229810,881703Aug.1,590,572280,100184,79449,6149,30036,4511,258,1871,245,01452,225842,576747Sep.1,613,008281,258184,02250,2879,52737,1191,243,8731,230,00550,977811,035758Nov.1,577,175277,458183,05249,1689,48034,4041,290,3171,269,07650,251919,4419677Dec.1,617,056276,048184,03648,5679,48034,4041,290,3171,162,35450,772793,716714Mar.1,522,539281,692190,06248,5679,48034,1491,180,3531,114,88849,356743,066714Mar.1,522,539286,67194,67947,6429,29734,4141,095,7501,081,90048,931701,467733June1,431,180285,667194,67947,6429,29734,4161,095,7501,081,90048,931701,467733June1,431,642280,820188,99148,6189,18433,2291,068,8751,052,21848,061689,447709Mary1,431,606,665284,364192,91448,678 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>701,337 700,240</td></t<>												701,337 700,240
Aug. Sep.1,590,572 1,613,008280,160 281,258184,794 184,02249,614 50,2879,300 9,35836,451 												739,819
Sep.1,613,008281,258184,02250,2879,35837,5921,281,2661,266,64750,483829,129783Oct.1,569,272274,421178,10149,6759,52737,1191,243,8731,230,00550,977811,035758Nov.1,577,175277,458183,05249,1689,31535,9231,248,0881,233,98051,629810,314766Dec.1,617,056276,488184,03648,5679,48034,4041,290,3171,269,07650,251919,4416972023 Jan.1,508,507281,692190,06248,2569,43733,9381,176,0421,162,35450,772793,716714Feb.1,455,724276,016183,75548,5829,48034,1991,130,3531,114,88849,356743,006712Mar.1,522,539286,667194,67947,6429,29734,0491,096,3241,081,28449,804791,478733May1,435,049290,368197,91548,6589,37934,4161,095,7501,081,90048,931701,467733June1,399,374282,438191,45848,3689,18433,4291,068,8751,052,21848,061689,447709July1,399,337282,438191,45848,6769,27833,3331,064,1931,048,05946,654713,662687,342719July1,393,337282,438191,458<	July	1,514,570	280,910	185,950	49,465	9,086	36,409	1,179,431	1,166,155	54,229	810,881	703,689
Oct. Nov. Dec.1,569,272 1,577,175274,421 277,458178,101 183,05249,675 49,1689,527 9,31537,119 35,9231,243,873 1,248,0881,230,005 1,233,98050,977 51,629811,035 810,314758 86972023 Jan. Feb. Mar.1,508,507 1,522,539281,692 286,8131190,062 196,40548,256 48,9569,437 48,58233,938 9,3731,176,042 34,4191,162,354 1,183,05350,772 50,251793,716 793,716714 714Apr. May June1,431,180 1,416,292285,667 280,820194,679 48,65847,642 48,6589,297 9,37934,049 34,3141,096,324 1,095,750 1,087,0341,081,284 1,081,28449,189 48,931 701,4767726,986 743,006 773,074July Aug. Sep.1,399,374 1,393,337282,438 284,364191,458 192,91448,618 48,979 48,6789,218 9,27833,253 3,3331,056,420 1,044,19348,061 1,055,420689,447 47,725 687,342709 687,342												747,996 783,879
Nov. Dec.1,577,175 1,617,056277,458 276,488183,052 												
Dec.1,617,056276,488184,03648,5679,48034,0441,290,3171,269,07650,251919,4416972023 Jan. Feb. Mar.1,557,24226,016190,06248,2569,43733,9381,176,0421,162,35450,772793,716714Keb. Mar.1,552,739288,131196,40548,0399,37334,3141,184,6041,102,35450,772793,716712Apr. May June1,431,180 1,416,292285,667194,67947,6429,29734,0491,096,3241,081,28449,189726,986704,467July Aug. Sep.1,399,374 1,393,337282,438191,45848,6189,29233,9191,068,8751,052,21848,061689,447709July Aug. Sep.1,393,337282,438191,45848,3689,18433,2291,068,8751,052,21848,061689,447709July Sep.1,393,337282,438191,23249,6479,27833,3331,064,1931,048,05946,654713,662687,342719												758,237 766,861
Feb. Mar.1,455,724 1,522,539276,016 288,131183,755 	Dec.				48,567							697,614
Mar.1,522,539288,131196,40548,0399,37334,3141,184,6041,170,62049,804791,478731Apr.1,431,180285,667194,67947,6429,29734,0491,096,3241,081,28449,189726,986704June1,416,292280,820188,99148,6589,29233,9191,087,0341,096,3241,081,20048,931701,467733July1,399,374282,438191,45848,3689,18433,4291,068,8751,052,21848,061689,447709Aug.1,406,665284,364192,91448,9799,27833,3331,064,1931,048,05946,654713,662719Sep.1,393,337282,490190,23249,6479,27833,3331,064,1931,048,05946,654713,662679												714,791
Apr. May June1,431,180 1,435,049285,667 290,368194,679 197,91547,642 48,6589,297 9,37934,049 34,4161,096,324 1,095,7501,081,284 1,095,75049,189 48,931726,986 701,467704 733 701,467July Aug. Sep.1,399,374 1,393,337282,438 284,249191,458 192,91448,368 48,979 49,6479,184 9,29233,9191,068,875 33,9191,052,218 1,074,57548,061 48,061689,447 687,342709 719,662July Sep.1,393,337282,490 282,490190,23249,647 49,6479,278 9,27833,333 3,3331,064,1931,048,059 1,048,05946,654713,662 713,662709 687,342												712,718 731,061
May1,435,049290,368197,91548,6589,37934,4161,095,7501,081,90048,931701,467733June1,416,292280,820188,99148,6189,29233,9191,087,0341,068,74748,038718,324697July1,399,374282,438191,45848,3689,18433,4291,068,8751,052,21848,061689,447709Aug.1,406,665284,364192,91448,9799,21833,2531,074,5751,056,42047,725687,342719Sep.1,393,337282,490190,23249,6479,27833,3331,064,1931,048,05946,654713,662679												
July1,399,374282,438191,45848,3689,18433,4291,068,8751,052,21848,061689,447709Aug.1,406,665284,364192,91448,9799,21833,2531,074,5751,056,42047,725687,342719Sep.1,393,337282,490190,23249,6479,27833,3331,064,1931,048,05946,654713,662679												704,194 733,582
Aug.1,406,665284,364192,91448,9799,21833,2531,074,5751,056,42047,725687,342719Sep.1,393,337282,490190,23249,6479,27833,3331,064,1931,048,05946,654713,662679	June	1,416,292	280,820	188,991	48,618	9,292	33,919	1,087,034	1,068,747	48,438	718,324	697,969
Sep. 1,393,337 282,490 190,232 49,647 9,278 33,333 1,064,193 1,048,059 46,654 713,662 679												709,927
												719,322 679,675
Oct. 1,415,403 295,288 202,630 49,531 9,256 33,8/1 1,0/4,62/ 1,058,985 45,488 688,966 /26												
												726,437
												675,943
												727,281
												752,058 770,359
							· ·					
												774,183

* Assets and liabilities vis-à-vis all countries within and outside the euro area. Up to December 2000 the levels at the end of each quarter are shown, owing to revaluations, at market prices; within each quarter, however, the levels are computed on the basis of cumulative transaction values. From January 2001 all end-of-month levels are valued at market prices. 1 Mainly net claims on TARGET2 balances (acc. to the respective country designation), since November 2000 also balances with non-euro area central banks within the ESCB. **2** Mainly long-term debt securities from issuers within the euro area. **3** Including estimates of currency in circulation abroad. **4** See Deutsche Bundesbank, Monthly Report, October 2014, p. 22. **5** Difference between External assets and External liabilities. **6** Euro opening balance sheet of the Bundesbank as at 1 January 1999.

8. External positions of enterprises *

	€ million													
	Claims on n	on-residents						Liabilities to	non-resident	s				
			Claims on fo	oreign non-ba	anks					Liabilities to	non-banks			
					from trade of	redits						from trade of	redits	
End of reporting period	Total	Balances with foreign banks	Total	from financial operations	Total	Credit terms granted	Advance payments effected	Total	Loans from foreign banks	Total	from financial operations	Total	Credit terms used	Advance payments received
	Rest of t	he world												
2020 2021 2022 2023	1,034,224 1,169,991 1,247,020 1,359,181	244,415 256,601 250,759 357,997	789,808 913,391 996,261 1,001,184	549,157 621,935 675,328 688,702	240,652 291,456 320,933 312,482	213,833 263,269 291,361 281,494	26,819 28,187 29,572 30,988	1,429,615 1,592,302 1,629,245 1,654,743	172,417 217,294 177,095 214,458	1,257,198 1,375,008 1,452,150 1,440,285	1,038,111 1,117,381 1,158,894 1,154,059	219,087 257,627 293,255 286,226	130,318 160,536 192,495 179,792	88,769 97,091 100,760 106,434
2023 Dec. 2024 Jan.	1,359,181 1,375,656	357,997 379,972	1,001,184 995,684	688,702 696,014	312,482 299,669	281,494 267,303	30,988 32,366	1,654,743 1,689,771	214,458 241,894	1,440,285 1,447,877	1,154,059 1,172,837	286,226 275,040	179,792 165,678	106,434 109,363
Feb. Mar.	1,373,030 1,384,720 1,398,155	392,632 383,445	992,084 992,088 1,014,710	691,978 703,306	300,110 311,403	266,967 277,810	33,143 33,593	1,706,923 1,694,193	241,894 259,317 249,362	1,447,607 1,447,607 1,444,831	1,172,012 1,172,012 1,162,251	275,595 282,580	163,816 170,204	109,303 111,779 112,375
Apr. r May p	1,427,766 1,417,291	390,915 388,970	1,036,851 1,028,321	724,837 727,540	312,014 300,782	278,297 266,782	33,717 34,000	1,744,856 1,757,745	269,711 272,382	1,475,145 1,485,363	1,193,266 1,210,624	281,879 274,739	168,472 161,126	113,406 113,613
	EU Mem	ber State	es (27 exc	I. GB)										
2020 2021 2022 2023	613,888 663,042 712,912 816,276	185,572 193,246 190,773 284,817	428,316 469,796 522,139 531,459	334,474 361,161 397,836 410,769	93,842 108,635 124,303 120,690	80,833 95,778 110,821 106,262	13,009 12,857 13,482 14,428	903,486 996,712 1,006,529 1,014,822	97,851 152,239 126,999 139,380	805,635 844,473 879,530 875,442	715,854 740,274 764,435 759,104	89,781 104,198 115,095 116,338	61,887 74,585 84,054 83,290	27,895 29,614 31,041 33,048
2023 Dec.	816,276	284,817	531,459	410,769	120,690	106,262	14,428	1,014,822	139,380	875,442	759,104	116,338	83,290	33,048
2024 Jan. Feb. Mar.	849,062 864,878 860,920	311,677 325,505 314,938	537,385 539,373 545,982	417,429 416,291 420,482	119,957 123,082 125,499	105,306 108,088 110,235	14,651 14,995 15,264	1,037,530 1,056,431 1,040,327	147,900 166,045 162,630	889,630 890,386 877,697	778,335 775,171 761,531	111,295 115,216 116,166	77,513 80,795 81,818	33,782 34,420 34,347
Apr. r May p	884,090 882,778	317,274 321,320	566,816 561,458	440,498 440,436	126,318 121,022	111,568 106,152	14,750 14,871	1,083,317 1,075,222	183,732 173,787	899,585 901,435	783,220 788,294	116,365 113,140	81,784 78,405	34,581 34,735
	Extra-EU	Member	r States (2	27 incl. G	B)									
2020 2021 2022 2023	420,335 506,949 534,107 542,904	58,843 63,355 59,986 73,180	361,492 443,594 474,122 469,725	214,682 260,773 277,492 277,933	146,810 182,821 196,629 191,792	133,000 167,491 180,540 175,232	13,810 15,330 16,090 16,560	526,129 595,590 622,716 639,921	74,566 65,055 50,096 75,078	451,563 530,535 572,620 564,843	322,257 377,107 394,460 394,955	129,306 153,429 178,160 169,888	68,431 85,951 108,441 96,501	60,875 67,478 69,719 73,386
2023 Dec. 2024 Jan.	542,904 526,593	73,180 68,295	469,725 458,298	277,933 278,586	191,792 179,713	175,232 161,997	16,560 17,715	639,921 652,241	75,078 93,994	564,843 558,247	394,955 394,502	169,888 163,745	96,501 88,165	73,386 75,580
Feb. Mar.	519,842 537,235	67,127 68,507	452,715 468,728	275,687 282,824	177,028 185,904	158,879 167,575	18,148 18,329	650,492 653,866	93,272 86,732	557,220 567,134	396,841 400,720	160,379 166,414	83,021 88,386	77,358 78,028
Apr. r May P	543,676 534,513	73,641 67,649	470,035 466,863	284,338 287,104	185,696 179,759	166,729 160,630	18,967 19,129	661,539 682,523	85,979 98,594	575,560 583,928	410,046 422,329	165,514 161,599	86,689 82,721	78,825 78,878
	Euro are													
2020 2021 2022 2023	527,566 556,549 606,206 713,257	164,697 171,231 171,716 266,931	362,869 385,318 434,490 446,326	289,362 299,905 338,439 352,927	73,507 85,413 96,050 93,399	61,759 73,729 83,930 80,382	11,748 11,684 12,120 13,016	816,066 911,712 916,735 921,774	76,137 130,558 105,597 119,987	739,929 781,154 811,138 801,787	670,289 699,065 722,183 712,302	69,640 82,089 88,954 89,485	47,662 58,608 64,756 64,843	21,978 23,481 24,198 24,642
2023 Dec. 2024 Jan.	713,257 750,627	266,931 294,807	446,326 455,820	352,927 363,072	93,399 92,748	80,382 79,550	13,016 13,198	921,774 933,855	119,987 119,349	801,787 814,505	712,302 730,163	89,485 84,342	64,843 59,234	24,642 25,108
Feb. Mar.	765,169 760,512	307,753 298,258	457,416 462,254	362,462 365,821	94,954 96,433	81,400 82,644	13,554 13,789	949,736 934,237	136,402 136,205	813,334 798,032	727,038 711,671	86,296 86,361	60,714 61,060	25,583 25,301
Apr. r May P	783,120 777,679	300,877 303,557	482,243 474,122	384,476 380,546	97,768 93,576	84,440 80,175	13,327 13,401	973,220 965,903	152,559 142,412	820,660 823,491	733,893 739,065	86,767 84,426	61,456 59,342	25,312 25,084
	Extra-Eu	ro area (2	20)											
2020 2021 2022 2023	506,658 613,443 640,814 645,924	79,719 85,369	426,939 528,073	259,794 322,030	167,145 206,043 224,882 219,083	152,074 189,540 207,431 201,112	15,071 16,504 17,452 17,971	613,549 680,590 712,510 732,970	96,280 86,735	517,269 593,854	367,822 418,316	149,448 175,538 204,301 196,741	82,656 101,928 127,739 114,949	66,792 73,610 76,562 81,792
2023 Dec.	645,924	· ·	· ·	· ·	219,083	201,112	17,971	732,970	· ·		· ·	196,741	114,949	81,792
2024 Jan. Feb. Mar.	625,029 619,552 637,643			· ·	206,921 205,157 214,970	187,753 185,567 195,166	19,168 19,589 19,804	755,916 757,188 759,956			· · ·	190,698 189,298 196,219	106,443 103,102 109,144	84,254 86,196 87,075
Apr. r May p	644,646 639,612	÷	:	:	214,246 207,206	193,857 186,607	20,390 20,599	771,636 791,842			÷	195,112 190,313	107,017 101,784	88,095 88,529

* The assets and liabilities vis-à-vis non-residents of banks (MFIs) in Germany are shown in Table 4 of Section IV., "Banks". Statistical increases and decreases have not been

eliminated; to this extent, the changes in totals are not comparable with the figures shown in Table XII.7.

9. ECB's euro foreign exchange reference rates of selected currencies *

EUR 1 = currency units ...

	LOIN I – currency	umes								
Yearly or monthly	Australia	Canada	China	Denmark	Japan	Norway	Sweden	Switzerland	United Kingdom	United States
average	AUD	CAD	CNY	DKK	JPY	NOK	SEK	CHF	GBP	USD
2012	1.2407	1.2842	8.1052	7.4437	102.49	7.4751	8.7041	1.2053	0.81087	1.2848
2013	1.3777	1.3684	8.1646	7.4579	129.66	7.8067	8.6515	1.2311	0.84926	1.3281
2014	1.4719	1.4661	8.1857	7.4548	140.31	8.3544	9.0985	1.2146	0.80612	1.3285
2015	1.4777	1.4186	6.9733	7.4587	134.31	8.9496	9.3535	1.0679	0.72584	1.1095
2016	1.4883	1.4659	7.3522	7.4452	120.20	9.2906	9.4689	1.0902	0.81948	1.1069
2017	1.4732	1.4647	7.6290	7.4386	126.71	9.3270	9.6351	1.1117	0.87667	1.1297
2018	1.5797	1.5294	7.8081	7.4532	130.40	9.5975	10.2583	1.1550	0.88471	1.1810
2019	1.6109	1.4855	7.7355	7.4661	122.01	9.8511	10.5891	1.1124	0.87777	1.1195
2020	1.6549	1.5300	7.8747	7.4542	121.85	10.7228	10.4848	1.0705	0.88970	1.1422
2021	1.5749	1.4826	7.6282	7.4370	129.88	10.1633	10.1465	1.0811	0.85960	1.1827
2022	1.5167	1.3695	7.0788	7.4396	138.03	10.1026	10.6296	1.0047	0.85276	1.0530
2023	1.6288	1.4595	7.6600	7.4509	151.99	11.4248	11.4788	0.9718	0.86979	1.0813
2023 Feb.	1.5514	1.4400	7.3244	7.4447	142.38	10.9529	11.1725	0.9905	0.88550	1.0715
Mar.	1.6034	1.4649	7.3807	7.4456	143.01	11.2858	11.2276	0.9908	0.88192	1.0706
Apr.	1.6389	1.4792	7.5561	7.4518	146.51	11.5187	11.3370	0.9846	0.88115	1.0968
May	1.6346	1.4687	7.5948	7.4485	148.93	11.7330	11.3697	0.9751	0.87041	1.0868
June	1.6157	1.4414	7.7653	7.4492	153.15	11.7164	11.6766	0.9764	0.85861	1.0840
July	1.6423	1.4618	7.9482	7.4508	155.94	11.3474	11.6343	0.9663	0.85856	1.1058
Aug.	1.6818	1.4703	7.9096	7.4522	157.96	11.4127	11.8117	0.9588	0.85892	1.0909
Sep.	1.6622	1.4458	7.7967	7.4566	157.80	11.4525	11.8417	0.9600	0.86158	1.0684
Oct.	1.6637	1.4474	7.7200	7.4604	158.04	11.6284	11.6472	0.9547	0.86798	1.0563
Nov.	1.6634	1.4828	7.8087	7.4581	161.84	11.7958	11.5475	0.9634	0.87045	1.0808
Dec.	1.6321	1.4653	7.7870	7.4556	157.21	11.5333	11.2028	0.9441	0.86168	1.0903
2024 Jan.	1.6422	1.4631	7.8201	7.4572	159.46	11.3501	11.2834	0.9368	0.85873	1.0905
Feb.	1.6533	1.4564	7.7651	7.4550	161.38	11.3843	11.2500	0.9462	0.85466	1.0795
Mar.	1.6586	1.4726	7.8297	7.4566	162.77	11.5214	11.3054	0.9656	0.85524	1.0872
Apr.	1.6469	1.4661	7.7658	7.4596	165.03	11.6828	11.5910	0.9761	0.85658	1.0728
May	1.6317	1.4780	7.8206	7.4606	168.54	11.5988	11.6186	0.9830	0.85564	1.0812
June	1.6206	1.4750	7.8051	7.4592	169.81	11.4178	11.2851	0.9616	0.84643	1.0759

* Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB; for additional euro foreign exchange reference rates, see Statistical Series Exchange rate statistics.

10. Euro area countries and irrevocable euro conversion rates in the third stage of Economic and Monetary Union

From	Country	Currency	ISO currency code	EUR 1 = currency units
1999 January 1	Austria	Austrian schilling	ATS	13.7603
	Belgium	Belgian franc	BEF	40.3399
	Finland	Finnish markka	FIM	5.94573
	France	French franc	FRF	6.55957
	Germany	Deutsche Mark	DEM	1.95583
	Ireland	Irish pound	IEP	0.787564
	Italy	Italian lira	ITL	1,936.27
	Luxembourg	Luxembourg franc	LUF	40.3399
	Netherlands	Dutch guilder	NLG	2.20371
	Portugal	Portuguese escudo	PTE	200.482
	Spain	Spanish peseta	ESP	166.386
2001 January 1	Greece	Greek drachma	GRD	340.750
2007 January 1	Slovenia	Slovenian tolar	SIT	239.640
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274
	Malta	Maltese lira	MTL	0.429300
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260
2011 January 1	Estonia	Estonian kroon	EEK	15.6466
2014 January 1	Latvia	Latvian lats	LVL	0.702804
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280
2023 January 1	Croatia	Croatian kuna	HRK	7.53450

11. Effective exchange rates of the euro and indicators of the German economy's price competitiveness *

Q1 1999 = 100	
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	Effective e	Effective exchange rates of the euro vis-à-vis the currencies of the					Indicators of the German economy's price competitiveness						
	extended	extended EER group of trading partners 1				broad EER group of trading partners 2 Based on the deflators of total sales 3		total sales 3 vi	s-à-vis Based on consumer price indices vis-à-vis				
			51				27 selected	industrial cou	ntries 4				
			In real terms based on	In real terms based on			27 Sciected	of which:					
		In real terms	the deflators	unit labour		In real terms		or which.					
		based on consumer	of gross domestic	costs of national		based on consumer		Euro area	Non- euro area		27 selected industrial		
Period	Nominal	price indices	product 3	economy 3	Nominal	price indices	Total	countries	countries	37 countries 5		37 countries 5	
1999 2000	96.2 87.0	96.1 86.8	95.8 85.9	96.1 85.6	96.5 88.0	95.9 86.1	97.8 91.9	99.6 97.5	95.7 85.4	97.6 91.1	98.3 93.1	98.1 92.3	97.8 91.2
2001	87.4	87.1	86.6	84.5	90.1	86.9	91.7	96.6	86.0	90.5	93.0	91.7	91.1
2002 2003	89.7 100.5	90.3 101.6	89.8 101.1	88.2 99.4	94.4 106.5	90.6 101.7	92.3 95.9	95.7 94.8	88.4 97.5	91.0 95.3	93.5 97.0	92.2 96.7	91.9 96.8
2004	100.3	105.6	104.2	102.7	111.0	105.6	96.2	93.6	99.9	95.6	98.5	98.2	98.4
2005 2006	102.9 102.9	104.3 104.3	102.2 101.7	101.0 100.0	109.1 109.3	103.2 102.6	94.7 93.5	92.0 90.4	98.7	93.3 91.6	98.5 98.6	97.2 96.8	96.8 96.0
2007	106.5	107.3	104.1	101.8	112.9	104.8	94.6	89.7	98.1 102.1	92.1	100.9	98.3	97.4
2008 2009	110.4 111.9	110.3 111.1	106.3 107.3	105.8 109.3	117.8 120.8	107.3 108.3	94.9 95.3	88.4 89.3	105.2 104.7	91.4 92.1	102.4 101.9	98.5 98.6	97.6 97.9
2010	104.6	103.3	99.1	101.8	112.1	99.3	92.5	88.7	98.2	88.2	98.8	94.3	92.5
2011 2012	104.4 98.6	102.4 97.0	97.2 91.6	100.0 94.2	112.9 107.6	98.8 94.0	92.1 90.1	88.5 88.4	97.6 92.6	87.4 84.8	98.2 95.9	93.5 90.5	91.9 88.9
2013	102.2	100.1	94.7	97.1	112.4	97.0	92.4	88.8	97.5	86.7	98.1	92.3	90.9
2014 2015	102.4 92.5	99.5 89.7	94.6 85.9	97.2 86.5	114.7 106.1	97.4 88.7	93.0 89.8	89.6 90.3	97.9 89.1	87.4 83.6	98.2 94.3	92.5 87.8	91.5 86.9
2016	95.2	91.6	88.2	p 87.8	110.1	90.7	90.7	90.7	90.6	85.0	95.0	88.8	88.1
2017 2018	97.5 100.0	93.6 95.8	89.4 91.0	р 88.7 р 90.5	112.5 117.3	92.0 95.2	91.9 93.2	90.8 90.9	93.5 96.6	85.7 86.7	96.3 97.7	89.9 91.1	88.9 90.8
2019	98.1	93.3	89.2	P 88.0	115.5	92.5	92.3	91.2	93.8	85.9	96.4	89.9	89.4
2020 2021	99.7 99.6	93.7 93.7	90.0 p 89.3	р 89.3 р 87.5	119.2 120.5	93.9 94.3	92.5 93.5	91.4 91.8	93.9 96.0	86.5 86.7	96.4 97.4	90.1 90.6	90.1 90.9
2022	95.3	90.8	p 84.2	p 87.5 p 82.7	116.1	p 90.9	92.0	91.3	92.8	85.1	95.9	89.1	89.0
2023	98.1	94.0	р 88.3	р 86.3	121.8	p 94.7	93.5	91.7	96.2	87.1	98.0	91.3	р 91.6
2022 Jan. Feb.	96.6 96.8	91.4 91.8	p 85.5	p 83.9	118.2 118.5	p 92.3 p 92.6	92.7	91.6	94.1	85.4	96.0 96.2	89.0 89.1	89.4 89.4
Mar.	95.8	91.5			117.9	p 92.6					96.3	89.5	89.9
Apr. May	95.0 95.4	90.1 90.5	p 84.0	р 82.5	116.0 115.8	p 90.3 p 90.2	92.0	91.2	93.1	84.8	96.1 96.5	88.9 89.5	88.8 89.1
June	95.7	90.7			116.1	р 90.3	52.0	5112		0.00	95.7	88.7	88.4
July Aug.	93.9 93.4	89.2 88.9	p 82.4	р 81.1	114.1 113.6	р 88.9 р 88.6	91.4	91.3	91.2	84.5	94.8 94.5	87.9 87.6	87.5 87.3
Sep.	93.9	89.8	P 02.4	P 01.1	113.9	P 89.3	51.4	51.5	51.2	04.5	95.9	89.1	88.7
Oct.	94.5	91.3			114.8	p 90.8	02.0	01.2	02.0	05.5	96.0	89.7	89.4
Nov. Dec.	95.7 96.8	92.3 92.6	р 85.0	р 83.4	116.6 118.6	p 92.0 p 92.9	92.0	91.3	92.9	85.5	97.0 96.2	90.6 89.7	90.3 89.8
2023 Jan.	97.1	92.8			119.2	р 93.1					97.5	90.4	p 90.4
Feb. Mar.	97.0 97.3	93.1 93.3	р 87.0	р 85.2	119.3 119.7	p 93.4 p 93.6	92.8	91.2	95.2	86.0	97.7 98.0	90.5 90.9	р 90.6 р 91.1
Apr.	98.4	94.2			121.5	р 94.9					98.5	91.5	р 91.9
May June	98.0 98.2	93.6 93.8	р 88.1	р 85.7	120.9 121.8	p 94.2 p 94.7	93.3	91.4	96.1	86.7	98.1 98.2	91.1 91.3	р 91.3 р 91.8
July	99.2	95.0			123.7	P 96.1					98.4	91.8	p 92.5
Aug.	99.0 98.5	95.0 94.6	р 89.0	р 87.2	123.7 123.0	р 96.1 р 95.5	93.6	91.7	96.5	87.6	98.3 98.0	91.8 91.7	р 92.4 р 92.1
Sep. Oct.	98.5	94.6			123.0	p 95.5 p 95.0					98.0	91.7	р 92.1 р 91.7
Nov.	98.7	94.6	p 88.8	р 87.1	123.4	p 95.3	94.2	92.4	97.0	88.0	98.2	91.6	p 91.9
Dec. 2024 Jan.	98.2 98.4	94.0 94.4			123.2 123.6	р 94.9 р 95.2					97.7 97.8	91.1 91.4	р 91.5 р 91.8
Feb.	98.1	94.1	p 88.8	р 87.7	123.3	p 94.9	93.9	92.2	96.4	87.8	97.7	91.3	р 91.6
Mar. Apr.	98.8 98.6	94.8 p 94.5			124.2 124.0	р 95.5 р 95.1					98.1 98.3	91.8 p 91.8	р 92.1 р 92.1
May	98.9	p 94.8			124.4	p 95.3					98.6	p 92.0	p 92.2
June	98.5	p 94.4	I	l	124.0	р 94.9					р 98.1	р 91.8	p 92.0

* The effective exchange rate corresponds to the weighted external value of the curren-cy concerned. The method of calculating the indicators of the German economy's price competitiveness is consistent with the procedure to compute the effective exchange rates of the euro. A decline in the figures implies an increase in competitiveness. The weights are based on trade in manufactured goods and services. For more detailed in-formation on methodology and weighting scale, see the website of the Deutsche Bundesbank (https://www.bundesbank.de/content/796162). **1** The calculations are based on the weighted averages of the changes in the bilateral exchange rates of the euro vis-à-vis the currencies of the following 18 countries: Australia, Bulgaria, Canada, China, Czechia, Denmark, Hong Kong, Hungary, Japan, Norway, Poland, Romania, Singapore, South Korea, Sweden, Switzerland, the United Kingdom and the United States. Where current price and wage indices were not available, estimates were used. 2 Includes countries belonging to the extended EER group of trading partners (fixed 2 Includes countries belonging to the extended EER group of trading partners (fixed composition) and additionally the following 23 countries: Algeria, Argentina, Brazil, Chile, Colombia, Iceland, India, Indonesia, Israel, Malaysia, Mexico, Morocco, New Zealand, Peru, Philippines, the Russian Federation, Saudi Arabia, South Africa, Taiwan,

Thailand, Turkey, Ukraine and United Arab Emirates. The ECB has suspended the publication and calculation of the euro foreign exchange reference rate against Russian rouble with effect from March 2, 2022 until further notice. For the calculation of effective exchange rates, an indicative rate is used for the Russian Federation from that date. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar. **2** Aprual and euroterk success **4** Euro area countrier from 2001 individual Gollar. 3 Annual and quarterly averages. 4 Euro area countries (from 2001 including Greece, from 2007 including Slovenia, from 2008 including Cyprus and Malta, from 2009 including Slovakia, from 2011 including Estonia, from 2014 including Latvia, from 2015 including Lithuania, from 2023 including Croatia as well as Canada, Denmark, Japan, Norway, Sweden, Switzerland, the United Kingdom and the United States. 5 Euro area countries (current composition) and countries belonging to the extended EEP group of trading anytong (fived composition) **6** Euro area countries (current composition). EER group of trading partners (fixed comosition). **6** Euro area countries (current composition) and countries belonging to the broad EER group of trading partners (fixed composition)