

# Statistical Bulletin

Q3 2022

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## Contact

Národná banka Slovenska  
Imricha Karvaša 1  
813 25 Bratislava  
[info@nbs.sk](mailto:info@nbs.sk)



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# Foreword

The *Statistical Bulletin – Monetary and Financial Statistics* is a quarterly publication issued by the Statistics Department of Národná banka Slovenska.

The present issue is based on data as at the end of September 2022. The publication is based on statistical data which are the main source for compilation of the European Central Bank's euro area statistics, of the International Monetary Fund's and Eurostat's statistics, and for monetary and financial stability analyses at the national level.

Main goal of the Bulletin is to improve the presentation of monthly and quarterly data published on the website of Národná banka Slovenska and to provide users with more comprehensive data on monetary and financial statistics. The Bulletin presents the available aggregated data compiled according to the ECB's methodology and detailed national data presented in the form of tables, charts and commentaries.

The information published in the Bulletin comprises data that are processed and reported by domestic financial institutions, specifically by banks and branches of foreign banks, investment funds, leasing companies, factoring companies, and consumer credit companies. The last chapter is summarising the methodological notes to the individual areas of statistics under analysis.

The Bulletin is available in electronic form on the NBS website ([www.nbs.sk](http://www.nbs.sk)), in PDF format.

We hope that by processing the data in this way, and with the help of feedback from our readers and data users, we will succeed in providing an overview that is quick and easy to use. Any remarks or suggestions regarding the quality of this publication and how it may be improved can be sent to [martin.motyka@nbs.sk](mailto:martin.motyka@nbs.sk).

Editors of the Monetary  
and Financial Statistics Section

# 1 Structure of the financial market in Slovakia

## 1.1 Overview of participants

At the end of September 2022, there were 26 monetary financial institutions operating in the banking sector (S.121+S.122+S.123). Besides the central bank there were 25 deposit-taking corporations (S.122), including 8 banks, 14 branches of foreign banks and 3 home savings banks (building societies). The Slovak branch of the foreign bank Commerzbank Aktiengesellschaft ceased its activities during the review period.

Nearly the same quarterly development was observed in investment funds (S.124) and other financial intermediaries (S.125), where there were only minimal changes in the number of entities. One new mixed fund was established in the investment funds sector.

There was no change in the number of entities in the financial auxiliaries (S.126) and insurance corporations and pension funds (S.128+S.129) sectors.

Table 1 Structure of the financial market in Slovakia					
	IX. 2021	XII. 2021	III. 2022	VI. 2022	IX. 2022
<b>Monetary financial institutions (S.121 + S.122 + S.123)</b>	<b>28</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>26</b>
Central bank (S.121)	1	1	1	1	1
Deposit taking corporations excl. central bank (S.122)	27	26	26	26	25
<i>Banks</i>	9	8	8	8	8
<i>Branches of foreign banks</i>	15	15	15	15	14
<i>Credit cooperatives</i>	0	0	0	0	0
<i>Building societies</i>	3	3	3	3	3
Money Market Funds (S.123)	0	0	0	0	0
<b>Investment Funds (S.124)</b>	<b>99</b>	<b>98</b>	<b>99</b>	<b>99</b>	<b>100</b>
<i>Equity funds</i>	13	12	13	13	13
<i>Bond funds</i>	21	19	19	18	18
<i>Mixed funds</i>	46	47	47	47	48
<i>Real estate funds</i>	13	14	14	14	14
<i>Other funds</i>	6	6	6	7	7
<b>Other financial intermediaries (S.125)</b>	<b>175</b>	<b>174</b>	<b>170</b>	<b>172</b>	<b>172</b>
<b>Financial auxiliaries (S.126)</b>	<b>44</b>	<b>43</b>	<b>43</b>	<b>43</b>	<b>43</b>
<i>Asset Management Companies</i>	11	12	12	12	12
<i>Pension Savings Companies</i>	5	5	5	5	5
<i>Supplementary Pension Asset Management Companies</i>	4	4	4	4	4
<i>Securities and derivatives dealers<sup>1)</sup></i>	24	22	22	22	22
<b>Insurance corporations and pension funds (S.128 + S.129)</b>	<b>48</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>46</b>
<i>Insurance corporations</i>	12	10	10	10	10
<i>Pension funds</i>	36	36	36	36	36

Source: NBS.

1) Securities and derivatives dealers that hold a licence under Act No 566/2001 Coll., except for banks, branches of foreign banks, asset management companies, and branches of foreign asset management companies; and that according to its licence make business on their own account.

**Table 2 Total assets of individual sectors of the financial market in Slovakia (EUR millions)**

	IX. 2021	XII. 2021	III. 2022	VI. 2022	IX. 2022
<b>Monetary financial institutions (S.121 + S.122)</b>	<b>170,705</b>	<b>193,579</b>	<b>201,652</b>	<b>194,418</b>	<b>181,661</b>
Central bank (S.121)	66,123	86,966	93,014	83,289	67,770
Deposit taking corporations excl. the central bank (S.122)	104,582	106,613	108,638	111,129	113,891
<b>Money Market Funds (S.123)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Investment funds (S.124)</b>	<b>9,025</b>	<b>9,532</b>	<b>9,475</b>	<b>9,189</b>	<b>8,994</b>
<b>Other financial intermediaries (S.125)</b>	<b>6,490</b>	<b>6,425</b>	<b>5,649</b>	<b>5,720</b>	<b>5,960</b>
<b>Financial auxiliaries (S.126)</b>	<b>456</b>	<b>491</b>	<b>477</b>	<b>431</b>	<b>463</b>
<b>Insurance corporations and pension funds (S.128 + S.129)</b>	<b>22,099</b>	<b>21,934</b>	<b>21,595</b>	<b>20,443</b>	<b>20,570</b>
Insurance corporations*	7,300	6,572	6,338	5,971	5,897
Pension funds	14,799	15,362	15,257	14,472	14,673

Source: NBS.

1) Slovak Insurers' bureau (SIB) has been established by virtue of the Act No. 381/2001 on Compulsory MTPL Insurance and on changes in, and amendments to, some laws.

## 1.2 Employees in the banking sector

The total number of employees in Slovakia's banking sector as of the end of the quarter under review stood at 18,408. This was another quarter-on-quarter decrease in headcount, continuing the downward trend that began in the second half of 2019.

Compared with the previous quarter, when banks had 18,615 employees, headcount in the sector was 1.1% smaller (207 fewer employees).

Year on year, the number of bank employees was down by 641 (3.4%).

This trend also affected the central bank, which reduced its staff by 18 in the quarter to have 1,064 employees at its end.

**Table 3 Number of employees in the banking sector**

	2020		2021				2022		
	30. 9.	31. 12.	31. 3.	30. 6.	30. 9.	31. 12.	31. 3.	30. 6.	30. 9.
<b>Banking sector</b>	19,807	19,698	19,525	19,251	19,049	18,825	18,736	18,615	18,408
Central bank	1,112	1,122	1,125	1,120	1,128	1,108	1,083	1,082	1,064
<b>Banks and branches of foreign banks</b>	18,695	18,576	18,400	18,131	17,921	17,717	17,653	17,533	17,344
Of which: Banks	16,980	16,876	16,721	16,482	16,272	16,090	16,053	15,945	15,757
Branches of foreign banks	1,715	1,700	1,679	1,649	1,649	1,627	1,600	1,588	1,587

Source: NBS.

### 1.3 Structure of share capital in the banking sector

The ratio of domestic share capital to total subscribed capital in the banking sector declined year on year, from 6.2% as of 30 September 2021 to 5.7% as of 30 September 2022.

Domestic share capital formed part of the subscribed capital in 6 out of 25 domestic credit institutions and made up 100% of the subscribed capital in two banks (ČSOB stavebná sporiteľňa, a.s., and Slovenská záručná a rozvojová banka, a.s.).

The ratio of foreign share capital to total subscribed capital in domestic banks correspondingly grew year on year, from 93.8% as of 30 September 2021 to 94.3% as of 30 September 2022.

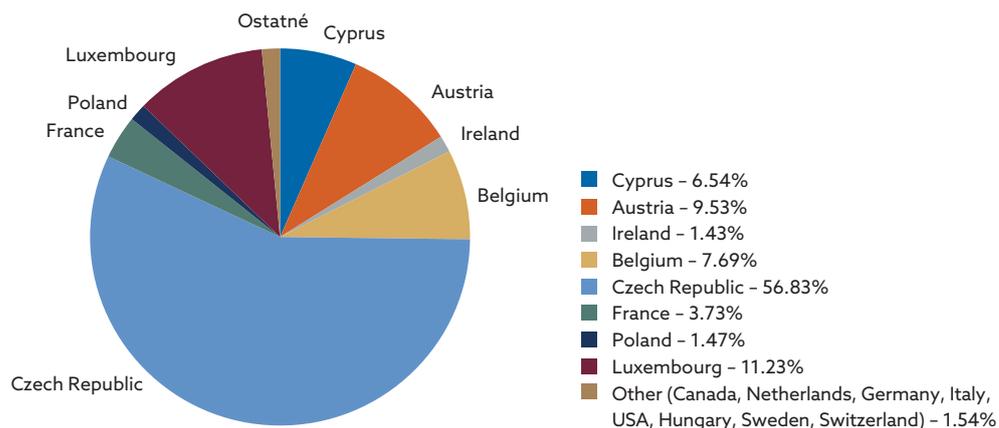
As well as increasing as a percentage of subscribed capital, foreign share capital grew in absolute volume by €332.1 million (9.5%) in the twelve months to 30 September 2022.

There were several noteworthy changes in the structure of foreign capital. Foreign investment from the Czech Republic in the group of foreign bank branches increased by €383.1 million (increasing its share by 5.5%). French capital in banks was also higher by €70.2 million year on year, which resulted in a 1.7% enlargement of its share of all foreign capital in banks in the year to 30 September 2022. Capital from Belgium was lower year on year by €126.6 million (a 4.3% reduction in share). The change in Belgian-held capital affected mainly the category of banks, while the inflow of French and Czech investment increased capital in foreign bank branches.

The group of 'other countries' in Charts 1 and 2 includes all countries contributing less than 1% of the total foreign share capital of banks operating in Slovakia. At the end of the review period, the 'other countries' (Canada, the Netherlands, Germany, Italy, the United States, Hungary, Sweden and Switzerland) accounted for 1.5% (€59.2 million) of total foreign share capital in banks.

**Chart 1**

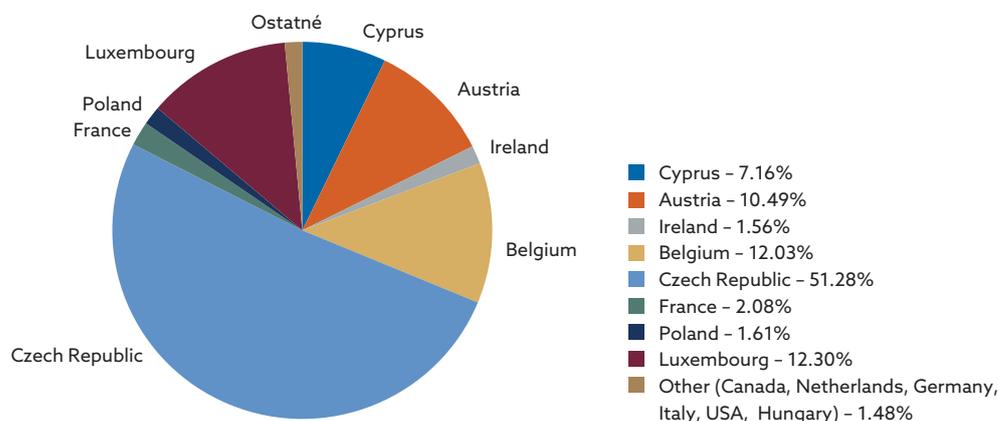
**Foreign capital in the banks in the Slovak Republic as at 30.09.2022**



Source: NBS.

**Chart 2**

**Foreign capital in the banks in the Slovak Republic as at 30.09.2021**



Source: NBS..

## 2 Statistics of monetary financial institutions

### 2.1 Balance sheet statistics of credit institutions: assets

The total assets of banks and foreign bank branches operating in Slovakia, excluding NBS (hereinafter 'credit institutions') amounted to €113.8 billion at the end of September 2022. This represented a year-on-year increase of 8.90% (€9.3 billion), stemming mostly from the growing stock of credit claims and of securities other than equities and investment fund shares/units.

The item with the largest share of total assets was credit claims (84.92%). Their stock increased 10.07%, year on year, by €8.8 billion, with the largest growth being in claims with a maturity of over five years (€6.0 billion increase). Credit claims with a maturity of one to five years grew year on year by €1.0 billion and credit claims with a maturity of up to one year grew by €1.7 billion year on year to the end of September 2022.

Credit institutions' holdings of securities other than equities and investment fund shares/units made up 10.79% of their total assets at the end of the third quarter of 2022. The volume of such securities in the portfolios of credit institutions grew, year on year, by €0.6 billion (5.65%) thanks to an increase in the stock of securities with a maturity of over two years. Securities other than equities and investment fund shares/units with a maturity of up to one year remained unchanged year on year at €0.19 billion. Securities other than equities and investment fund shares/units with a maturity of over two years were slightly lower than in the previous quarter at €12.0 billion. The year-on-year growth rate for this item was 5.93%, which was slower than in the previous quarter.

Credit institutions' holdings of shares and other equity constituted 0.52% of their total assets at the end of the third quarter of 2022, which was slightly less than a year earlier. The volume of shares and other equity in credit institutions' asset holdings was down by 21.63% year on year.

Credit institutions' other assets (including fixed assets) accounted for 3.00% of their total assets in the third quarter of 2022, which represented a decrease of 0.28 percentage point year on year. The absolute value of the year-on-year decrease in the stock of other assets (including fixed assets) was €0.01 billion.

Credit institutions' cash holdings constituted 0.78% of their total assets at the end of the third quarter of 2022. The value of this item at the end of September 2022 was €0.8 billion, which represents a year-on-year decrease of 1.48%.

**Table 4 Structure of assets of credit institutions in the SR  
(EUR thousands)**

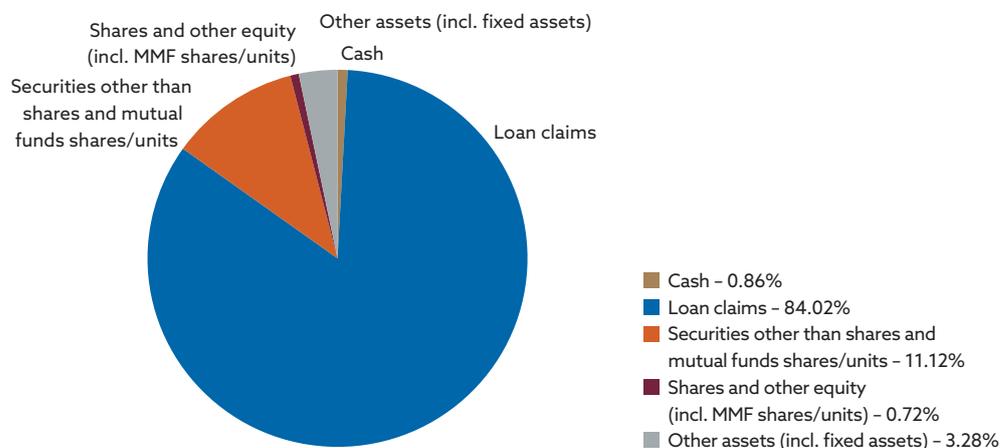
	IX. 2021	XII. 2021	III. 2022	VI. 2022	IX. 2022
<b>ASSETS</b>	<b>104,582,311</b>	<b>106,613,383</b>	<b>108,637,987</b>	<b>111,128,837</b>	<b>113,891,488</b>
Cash	899,242	970,073	1,145,278	1,065,221	885,902
Loan claims	87,867,351	89,270,366	91,365,548	93,904,940	96,713,604
Securities other than shares and mutual funds shares/units	11,629,367	12,463,761	12,536,316	12,324,877	12,286,054
Shares and other equity (incl. MMF shares/units)	755,715	733,177	712,430	672,923	592,263
Other assets (incl. fixed assets)	3,430,636	3,176,006	2,878,415	3,160,876	3,413,665

Source: NBS.

- 1) Loan claims – including bank's deposits with other entities and non-tradable securities
- 2) Assets excluding depreciation and including provisions

### Chart 3

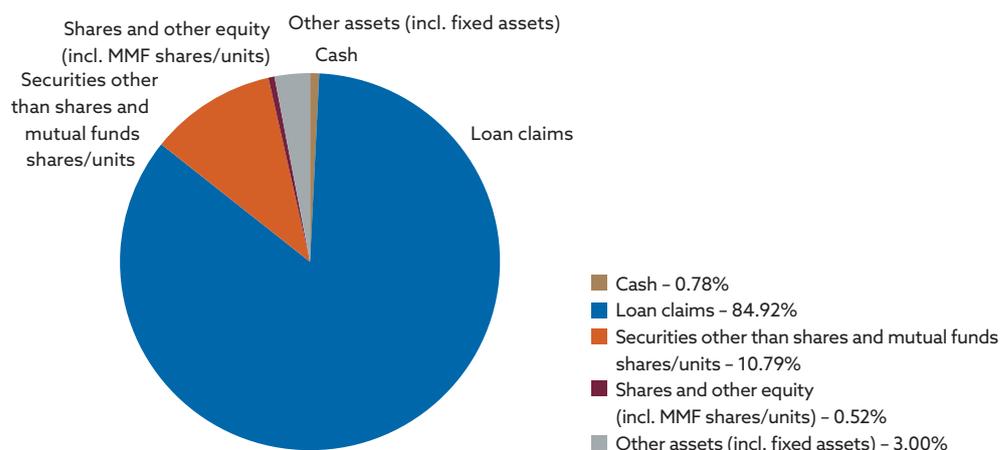
#### Structure of assets of credit institutions as at 30th September 2021



Source: NBS.

### Chart 4

#### Structure of assets of credit institutions as at 30th September 2022



Source: NBS.

## 2.2 Balance sheet statistics of credit institutions: liabilities

The total liabilities of credit institutions grew, year on year, by €9.3 billion (8.90%), mainly due to increases in the stock of loans and deposits received and in the item capital and provisions.

Credit institutions' largest liability item – loans and deposits received (77.78%) – had a share 0.33 percentage point smaller than in September 2021. Year on year, their volume grew by €6.8 billion (8.44%), the largest part of which was a €6.1 billion increase in loans and deposits received with a maturity of up to one year. This represents growth of 9.70% compared to September 2021, which is larger than the growth to September 2021 by 4.24 percentage points. The growth rate for loans and deposits received with a maturity of over one year was 3.98%.

Capital and provisions constituted 10.61% of credit institutions' total liabilities as of 30 September 2022. The volume of capital and provisions at that date was €0.6 billion larger than a year earlier (5.27% growth).

Debt securities issued by credit institutions accounted for 7.48% of their total liabilities, which was a slight reduction compared to the same quarter a year earlier. The volume of these securities amounted to €8.5 billion at the end of September 2022, representing an overall year-on-year increase of €0.04 billion (5.10%). The main contributing factor was growth in debt securities issued with a maturity of over two years. Their year-on-year growth to September 2022 was 5.13% (which was 10.82 percentage points less than in the year to September 2021).

Credit institutions' other liabilities shrank to 4.13% of their total liabilities. Year-on-year growth in other liabilities to September 2022 amounted to €1.3 billion. Growth in percentage terms by 42.26% was 6.84 percentage points more than for the year to September 2021.

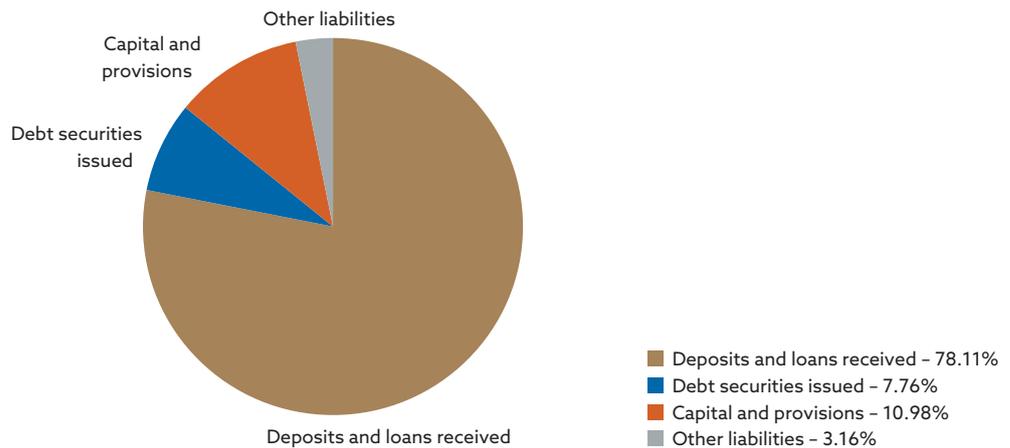
**Table 5 Structure of liabilities of credit institutions in SR (EUR thousands)**

	IX. 2021	XII. 2021	III. 2022	VI. 2022	IX. 2022
<b>LIABILITIES</b>	<b>104,582,311</b>	<b>106,613,383</b>	<b>108,637,987</b>	<b>111,128,837</b>	<b>113,891,488</b>
Deposits and loans received	81,688,280	84,538,704	84,286,786	87,161,591	88,582,177
Debt securities issued	8,110,775	8,059,992	8,405,479	8,802,080	8,524,621
Capital and provisions	11,478,205	11,879,369	11,900,000	11,874,597	12,082,974
Other liabilities	3,305,051	2,135,318	4,045,722	3,290,569	4,701,716

Source: NBS.

**Chart 5**

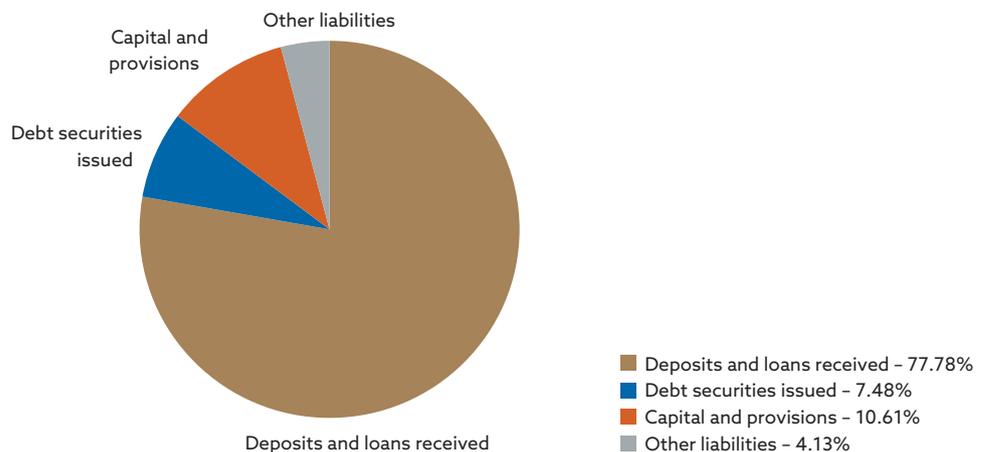
**Structure of liabilities of credit institutions as at 30th September 2021**



Source: NBS.

**Chart 6**

**Structure of liabilities of credit institutions as at 30th September 2022**



Source: NBS.

## 2.3 Selected asset and liabilities items by residency of counterparty

Nearly all credit claims of credit institutions in the Slovak Republic (in total, €96.7 billion) are claims on domestic counterparties (90.42%). Their volume at the end of the third quarter of 2022 was €87.4 billion. Credit claims on entities from other euro area countries and from the rest of the world amounted to €4.3 billion (4.51%) and €4.9 billion (5.07%) respectively.

The value of securities other than equities and investment fund shares/units held by these credit institutions was €12.2 billion at the end of September 2022. A significant majority (80.39%, €9.8 billion in absolute terms) were issued by domestic entities. Securities issued in other euro area

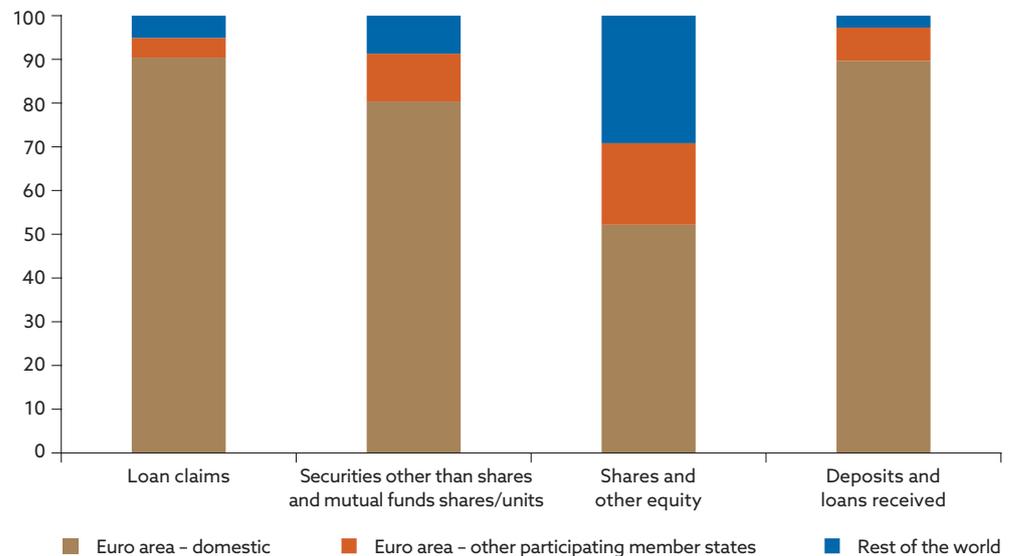
countries and the rest of the world amounted to €1.3 billion (10.93%) and €1 billion (8.68%) respectively.

Most of the shares and other equity held by credit institutions (total volume €0.59 billion) are domestic securities and equity (52.17%, i.e. €0.3 billion). Securities issued in other euro area countries and the rest of the world accounted for 18.67% and 29.16% respectively.

At the end of September 2022, the total value of loans and deposits received by credit institutions was €88.5 billion. Loans and deposits received from domestic entities accounted for 89.67% of this volume (€79.4 billion). Liabilities of credit institutions in the Slovak Republic to creditors from other euro area countries and the rest of the world amounted to €6.7 billion (7.61%) and €2.4 billion (2.73%) respectively.

### Chart 7

**Selected assets/liabilities: breakdown of counterparties by residency as at 30th September 2022 (%)**



Source: NBS.

## 2.4 Selected asset and liability items by sector of counterparty

Domestic credit claims amounted to €87.4 billion at the end of the third quarter of 2022. The vast majority of them (83.85%) were claims on other sectors, i.e. sectors other than monetary financial institutions and general government. The absolute volume of these claims was €73.3 billion.

Claims on domestic MFIs and on the general government sector accounted for 14.41% (€12.6 billion) and 1.73% (€1.5 billion) of the total stock of domestic credit claims respectively.

Credit institutions' total holdings of domestic securities other than equities and investment fund shares/units amounted to €9.8 billion as of 30 September 2022, of which 90.55% (€8.9 billion) were debt securities issued in the general government sector.

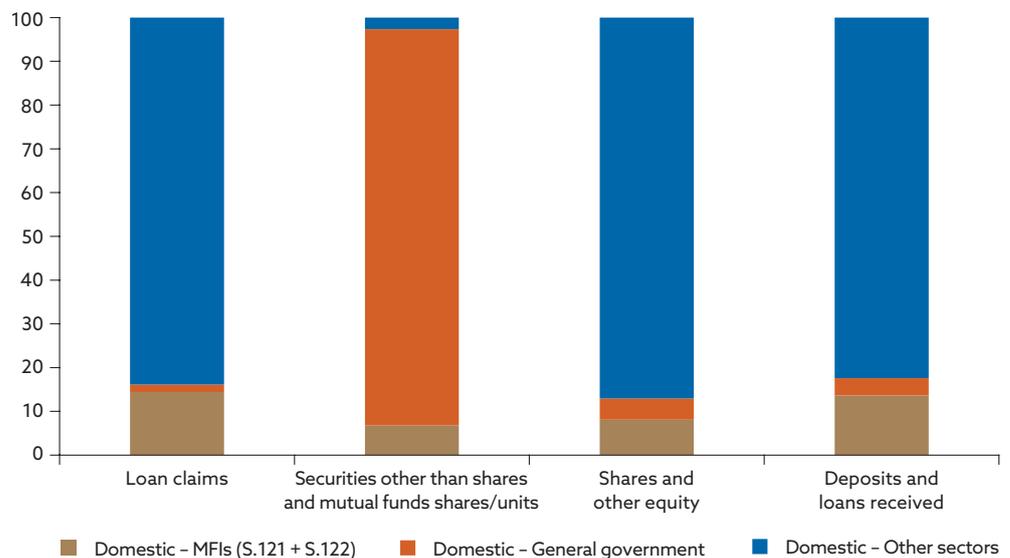
Securities other than equities and investment fund shares/units issued by domestic MFIs and other domestic sectors accounted for 6.80% and 2.65% respectively.

Credit institutions' total holdings of domestic shares and other equity participations (including investment fund shares/units) amounted to roughly €0.3 billion. Other sectors accounted for 87.03% of this volume. Equity securities issued by domestic MFIs and the general government sector accounted for 8.09% and 4.88% respectively.

The volume of loans and deposits received from domestic entities amounted to €79.4 billion. The majority of them (82.41%) came from other sectors, mainly households. Deposits and loans from the general government sector accounted for 3.95%. Domestic MFIs contributed 13.64% to the total volume of domestic loans and deposits.

#### Chart 8

**Selected assets/liabilities: sectoral breakdown of domestic counterparty as at 30th September 2022 (%)**



Source: NBS.

1) Monetary financial institutions - MFIs (S.121 + S.122+S.123).

2) General government (S.13)

3) Other sectors = Investment funds other than money markets funds (S.124) + Other financial corporations (S.125 + S.126 + S.127) + Insurance corporations (S.128) + Pension funds (S.129) + Non-financial corporations (S.11) + Households and Non-profit institutions serving households (S.14 and S.15).

Credit claims of credit institutions in the Slovak Republic on debtors from other euro area countries amounted to €4.3 billion at the end of the third

quarter of 2022. Claims on other sectors (€2 billion) represented 46.08% of this volume while claims on MFIs accounted for 53.92%.

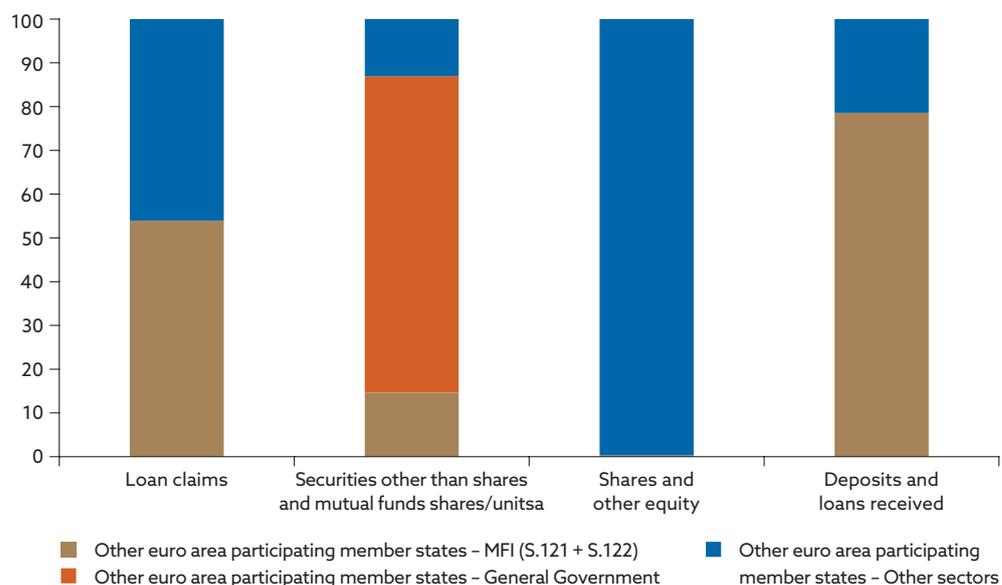
The value of securities other than equities and investment fund shares/units issued in other euro area countries held by credit institutions in the Slovak Republic was €1.3 billion at the end of September 2022. The majority of such securities (72.28%, €0.9 billion) were issued by the general government sector, while securities issued by MFIs and other sectors made up 14.66% (€0.1 billion) and 13.06% respectively.

The value of shares and other equity participations issued in other euro area countries and held by credit institutions in the Slovak Republic was €0.1 billion. Nearly all these equity securities (99%) came from other sectors, with MFIs accounting for the remaining 1%.

Loans and deposits received from residents of other euro area countries amounted to €6.7 billion. The majority of such loans and deposits (78.61%, €5.2 billion) were received from MFIs. Deposits from other sectors (€1.4 billion) represented 21.39%.

### Chart 9

**Selected assets/liabilities: sectoral breakdown of counterparty from other euro area member states as at 30th September 2022 (%)**



Source: NBS.

Credit claims on the rest of the world amounted to €4.9 billion at the end of September 2022. The majority (53.91%, €2.6 billion) were claims on MFIs. Claims on other sectors (€2.2 billion) accounted for 45.04%.

As regards securities other than equities and investment fund shares/units issued by residents of the rest of the world, holdings in the portfolios

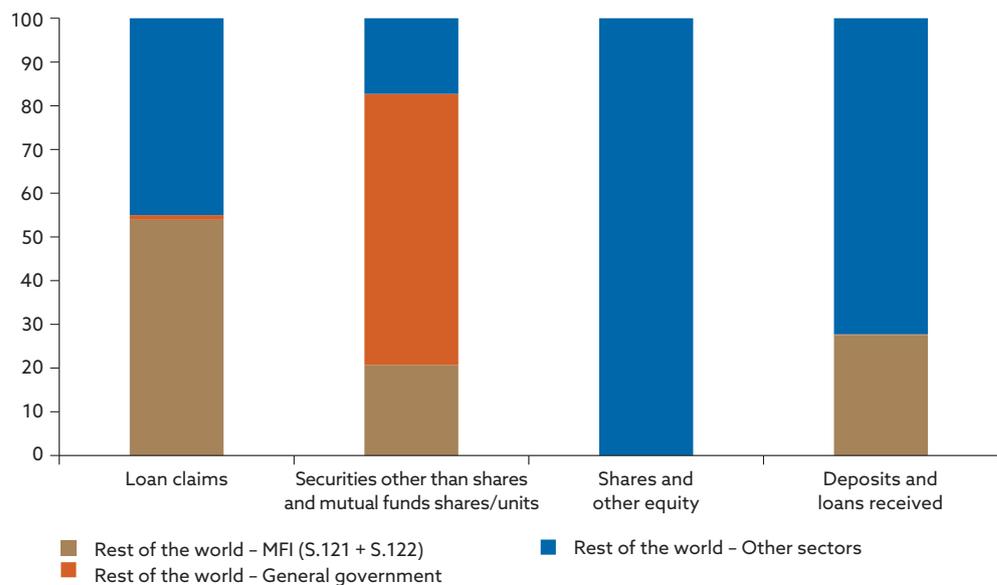
of credit institutions in the Slovak Republic amounted to €1 billion. Most of these (61.98%, €0.6 billion) were issued by the general government sector. The next largest categories were securities of MFIs (20.72%) and other sectors (17.30%).

The value of shares and other equity participations in the portfolios of credit institutions in the Slovak Republic amounted to €0.1 billion. All of them were issued by other sectors (i.e. sectors other than MFIs and the general government sector).

Loans and deposits received from residents in the rest of the world had a volume of €2.4 billion as of 30 September 2022. While other sectors accounted for the majority (72.30%, €1.7 billion), MFIs provided 27.54% (€0.6 billion). The share of loans and deposits received from the general government sector was negligible.

#### Chart 10

**Selected assets/liabilities: sectoral breakdown of counterparty from the rest of the world as at 30th September 2022 (%)**



Source: NBS.

## 2.5 Assets and liabilities of credit institutions: year-on-year changes

The aggregate assets of credit institutions have shown year-on-year growth at the end of every quarter in the last two years. Their steepest year-on-year increase – by 15% (€13.1 billion) – was recorded at the end of the first quarter of 2021. Their year-on-year growth rate in the third quarter of 2022 was 8.9% (€9.3 billion).

The largest year-on-year change in credit claims was in the first quarter of 2021, when their volume increased year on year by 19%. The year-on-year growth rate to the end of September 2022 was 10.07% (representing absolute growth of €8.8 billion). The largest change in the review period was in credit claims with a maturity of one to five years, which grew year on year by 16.15% (€1.0 billion). Growth in credit claims with a maturity of over five years was 10.84% (€6.0 billion) in the third quarter of 2022 and credit claims with a maturity of up to one year had year-on-year growth of 6.89% (€1.7 billion).

There has been very unstable development in holdings of securities other than equities and investment fund shares/units in recent quarters. In the third quarter of 2020, a year-on-year increase of almost 12% was recorded, but then the annual growth rate slowed and entered negative territory in the second and third quarters of 2021. The last quarter of 2021, however, saw a year-on-year increase again, in this case by 6%. In the third quarter of 2022, the annual growth rate for holdings of securities was 5.65% (€0.6 billion).

Credit institutions' total holdings of shares and other equity participations (including investment fund shares/units) were relatively low at the end of each quarter of the review period. The largest volume (€0.7 billion) was recorded at the end of December 2020. In the third quarter of 2022, the credit institutions' aggregate holdings decreased by 21.63% year on year.

The biggest annual change in the total stock of credit institutions' other assets (including fixed assets) was recorded at the end of the second quarter of 2021, when there was a year-on-year increase of 21% (€0.6 billion). Thereafter the volume gradually decreased and in the third quarter of 2022, there was a fall of 0.49% (€0.01 billion).

Credit institutions' total cash holdings showed their most significant annual change in percentage terms in the first quarter of 2022, with a year-on-year increase of 40.40%. In the second quarter of 2022, the volume of the cash item grew by 21.58% (€0.1 billion) but in the third quarter there was a year-on-year decline by 1.48% (€0.01 billion).

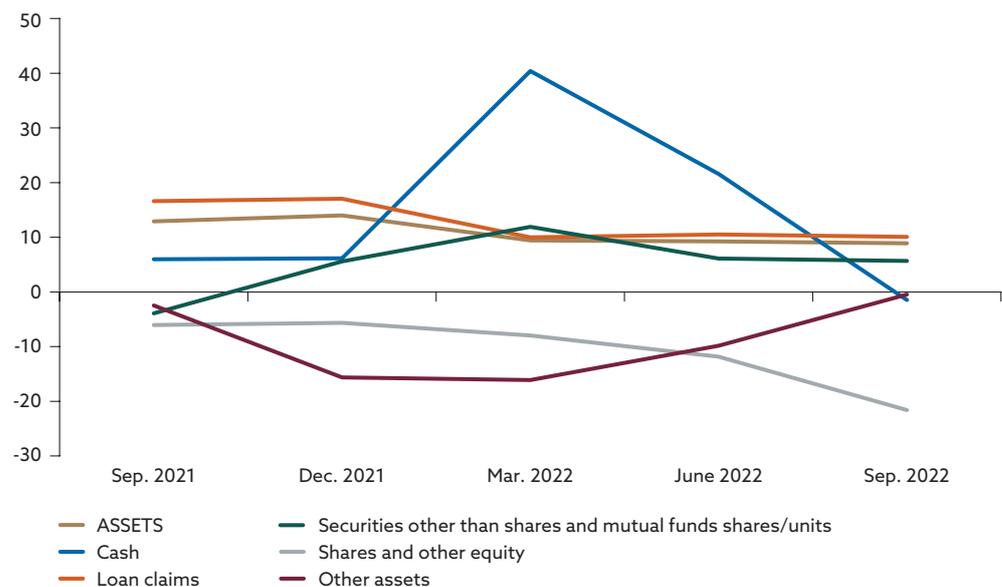
**Table 6 Year-on-year changes in assets of credit institutions in the SR (EUR thousands)**

	IX. 2021	XII. 2021	III. 2022	VI. 2022	IX. 2022
<b>ASSETS</b>	<b>12.90</b>	<b>13.99</b>	<b>9.41</b>	<b>9.24</b>	<b>8.90</b>
Cash	5.97	6.15	40.40	21.58	-1.48
Loan claims	16.60	17.05	9.99	10.51	10.07
Loan claims – up to 1 year	47.11	46.17	8.37	9.17	6.89
Loan claims – over 1 and up to 5 years	-0.97	3.38	10.40	8.96	16.15
Loan claims – over 5 years	8.47	9.08	10.66	11.28	10.84
Securities other than shares and mutual funds shares/units	-3.92	5.59	11.88	6.10	5.65
Securities other than shares and mutual funds shares/units up to 1 year	-69.88	-59.37	-54.01	-11.35	-9.40
Securities other than shares and mutual funds shares/units over 1 and up to 2 years	-100.00				
Securities other than shares and mutual funds shares/units over 2 years	0.14	8.61	14.39	6.43	5.93
Shares and other equity	-6.06	-5.67	-7.98	-11.87	-21.63
Other assets	-2.48	-15.65	-16.12	-9.85	-0.49

Source: NBS.

**Chart 11**

**Year-on-year changes in assets of credit institutions (change of stock in %)**



Source: NBS.

Aggregate liabilities of credit institutions posted year-on-year increases in recent quarters. The most recent change was an 8.9% increase in the third quarter of 2022.

There was a year-on-year increase in loans and deposits by 8.44% (€6.8 billion). Both maturity categories had year-on-year growth: loans

and deposits with a maturity of up to one year increased by 9.70%, while loans and deposits with a maturity of over one year grew by 3.98%.

The stock of debt securities issued in the review period grew year on year by 5.10%, driven mainly by securities with a maturity of over one year and up to two years, which increased by 41.77%. At the end of the third quarter of 2022, the value of issued debt securities amounted to €8.5 billion.

Aggregate capital and provisions were up by 5.27% (€0.6 billion) year on year at the end of September 2022.

Other liabilities were €1.3 billion (42.26%) higher in the third quarter of 2022 compared to a year earlier.

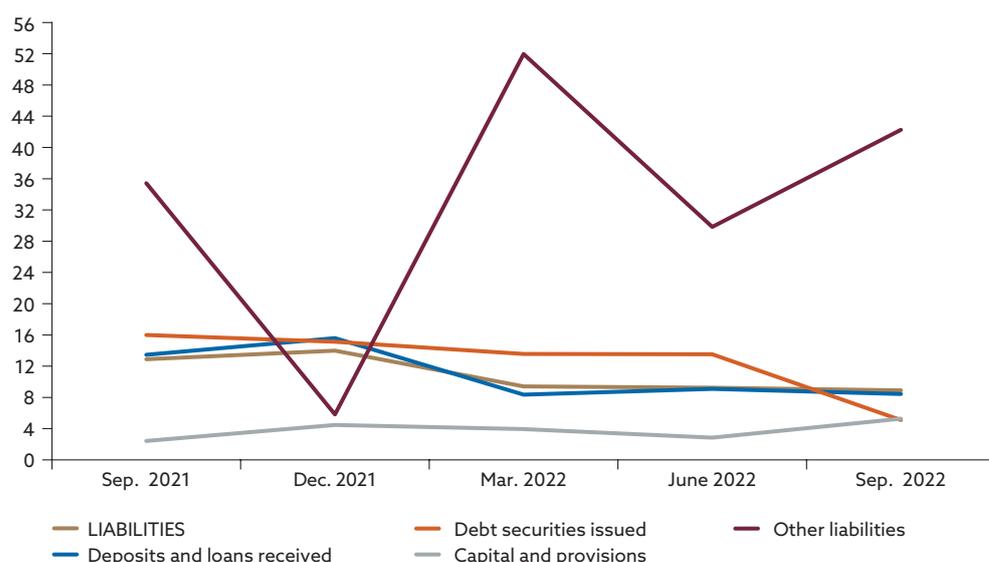
**Table 7 Year-on-year changes in liabilities of credit institutions (in thousands EUR)**

	IX. 2021	XII. 2021	III. 2022	VI. 2022	IX. 2022
<b>LIABILITIES</b>	12.90	13.99	9.41	9.24	8.90
Deposits and loans received	13.46	15.59	8.36	9.09	8.44
Deposits and loans received up to 1 year	5.46	7.77	5.38	8.21	9.70
Deposits and loans received over 1 year	54.96	55.92	20.61	12.44	3.98
Debt securities issued	15.99	15.12	13.57	13.52	5.10
Debt securities issued up to 1 year	-100.00				
Debt securities issued over 1 and up to 2 years					-41.77
Debt securities issued over 2 years	15.95	15.08	13.53	13.48	5.13
Capital and provisions	2.43	4.48	3.95	2.84	5.27
Other liabilities	35.42	5.82	51.97	29.84	42.26

Source: NBS.

**Chart 12**

**Year-on-year changes in liabilities of credit institutions (change of stock in %)**



Source: NBS.

## 2.6 Analysis of the profit/loss of credit institutions

### 2.6.1 Current period profit/loss in the third quarter of 2022

Based on the available data, the cumulative profit of the banking sector to September 2022 was €572 million, which was 0.5% higher than in the same period a year earlier.

Net interest income began to post year-on-year declines at the start of 2019, and thus contributed negatively to net profit growth in this period. This trend continued in 2021 albeit at a much slower rate.

In the third quarter of 2022, net interest income was 3.2% higher year on year, with the most significant items being a 6.4% rise in other interest income and a 29% increase in other interest costs.

The methodology used for reporting the values of other operating expenses was modified at the end of 2020. Operating expenses no longer include separate items for the payment of a special levy by selected financial institutions, contributions to the deposit protection fund, contributions to the resolution fund, and supervisory fees. Since the last quarter of 2020, all these items have been reported as part of the general operating expenses. Hence, data on non-interest income and general operating expenses for the period since the last quarter of 2020 are not fully comparable with those for the previous quarters without adjustments.

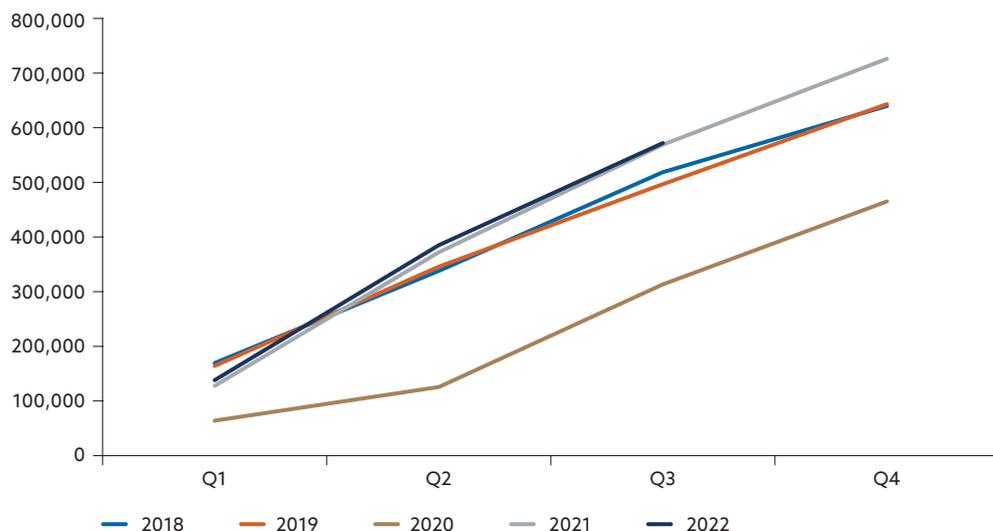
In the period to the end of September 2022, net non-interest income grew by 12% year on year, continuing the upward trend that began in mid-2020.

General operating expenses (adjusted data) increased by 3.6% in the twelve months to September 2022.

After a sharp increase in 2020, reserves and provisions (i.e. income adjusted for expenses) decreased in 2021 in year-on-year terms and then grew again in the period of 2022 under consideration.

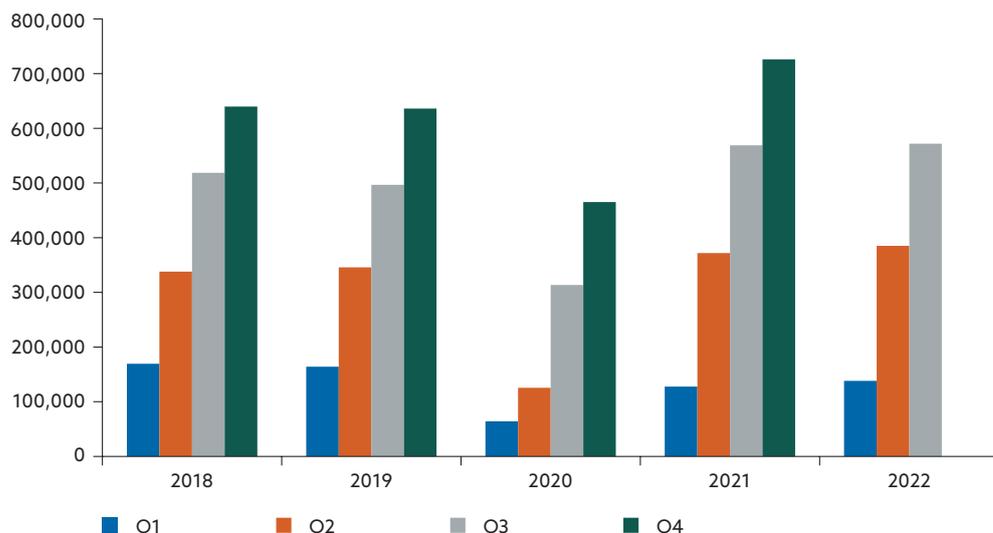
The net creation of reserves and provisions was 128% higher year on year in September 2022 (the year-on-year growth rate was also significantly higher).

**Chart 13**  
Current period profit/loss (EUR thousands)



Source: NBS.

**Chart 14**  
Current period profit/loss (EUR thousands)



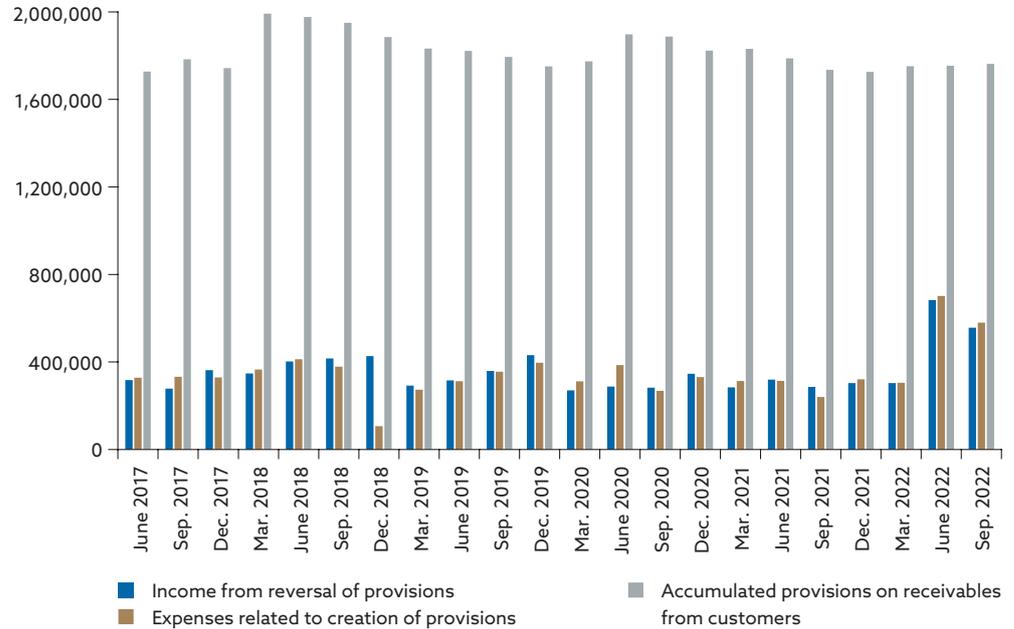
Source: NBS.

Total loan-loss provisions were 1.6% higher than a year earlier and the claims on clients covered by such provisions were up by 12% year on year at the end of the third quarter of 2022. Euro-denominated claims constituted 98% of all credit claims, and euro-denominated claims on euro area residents made up around 92%.

Provisioning costs were 141% higher than a year earlier in the third quarter of 2022. Income from the reversal of provisions was also higher (94%) compared to the same period in 2021.

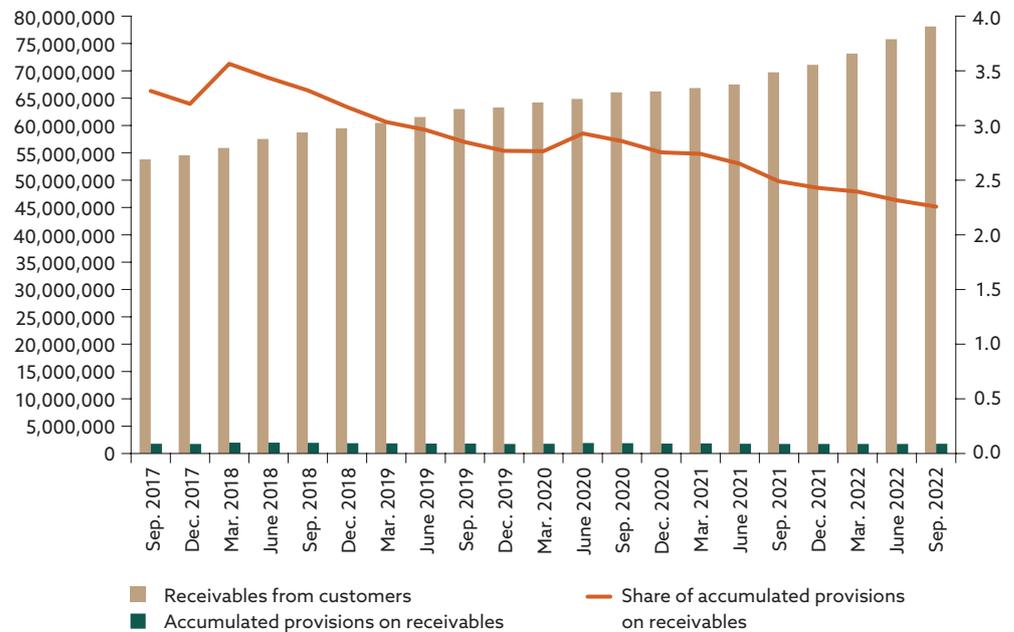
Expense items related to the assignment of claims on non-bank customers exceeded income from the same by €24 million (net loss) in the third quarter of 2022, and claim write-offs produced a net loss of €6.4 million.

**Chart 15**  
Provisions (EUR thousands)



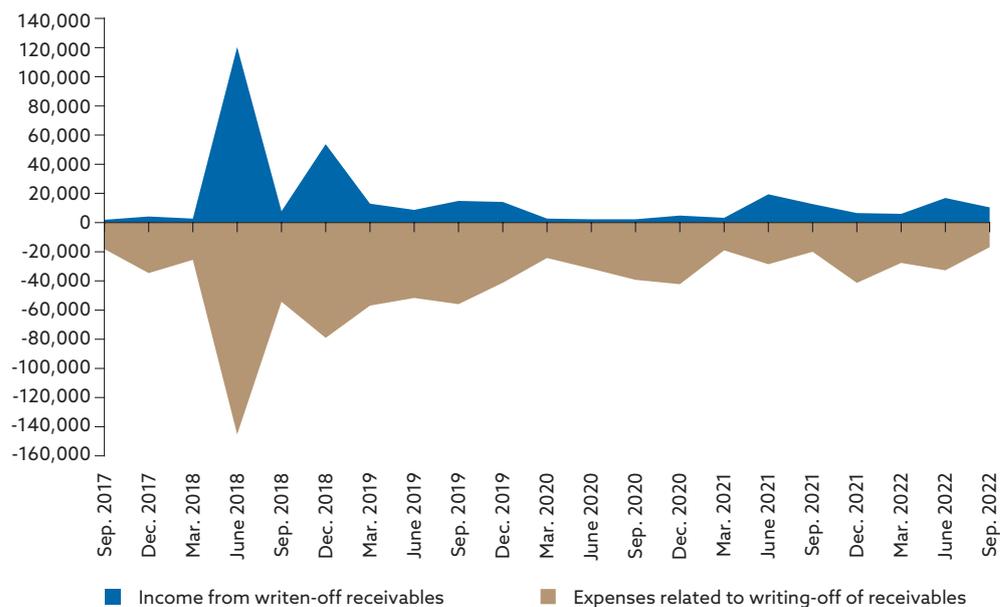
Source: NBS.

**Chart 16**  
Receivables from non-bank customers (EUR thousands, %)



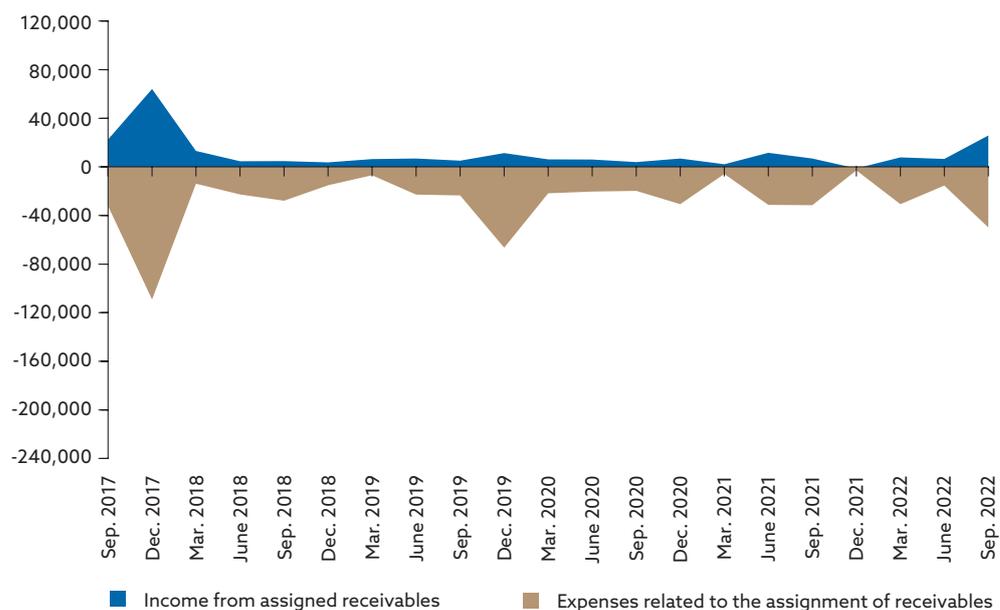
Source: NBS.

**Chart 17**  
Written-off receivables from customers (EUR thousands)



Source: NBS.

**Chart 18**  
Assigned receivables from customers (EUR thousands)



Source: NBS.

## 2.6.2 Selected income/expense items as reflected in profits/losses

In this chapter, selected income and expense items related to the main activities of credit institutions are compared with the profit or loss made.

In the third quarter of 2022, according to the available aggregated data for the three months, interest income from securities was 4% higher than a year earlier.

The aggregate charges incurred for interest payable on securities in the quarter to September 2022 were significantly higher – 58% – compared to a year previously.

Other interest income was slightly higher in the third quarter of 2022 compared to a year earlier, by 14%, while other interest expenses increased by 66% over the same period.

Net non-interest income grew by nearly 2% in the third quarter of 2022. The most significant items affecting this growth were the rising costs of fees and commissions, as well as dividends received.

General operating expenses were 1% higher year on year in the third quarter of 2022.

The current period profit for the third quarter of 2022 was 5.2% less than for the same period a year earlier and amounted to €187 million.

### Chart 19

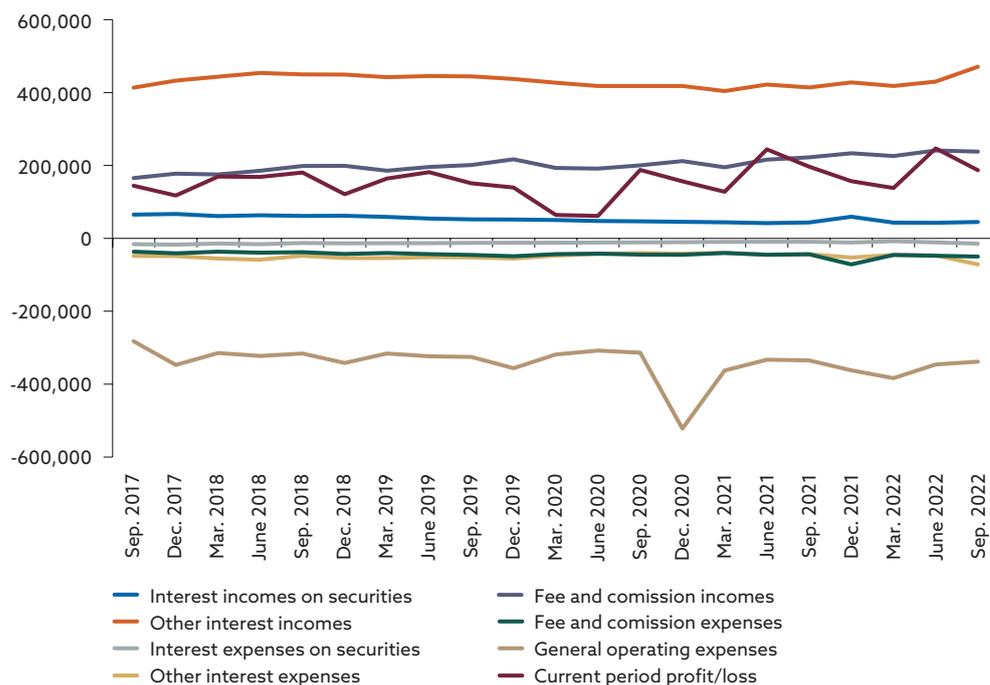
Selected incomes and expenses compared with current period profit/loss (EUR thousands)



Source: NBS.

Chart 20

Selected incomes and expenses compared with current period profit/loss  
(EUR thousands)



Source: NBS.

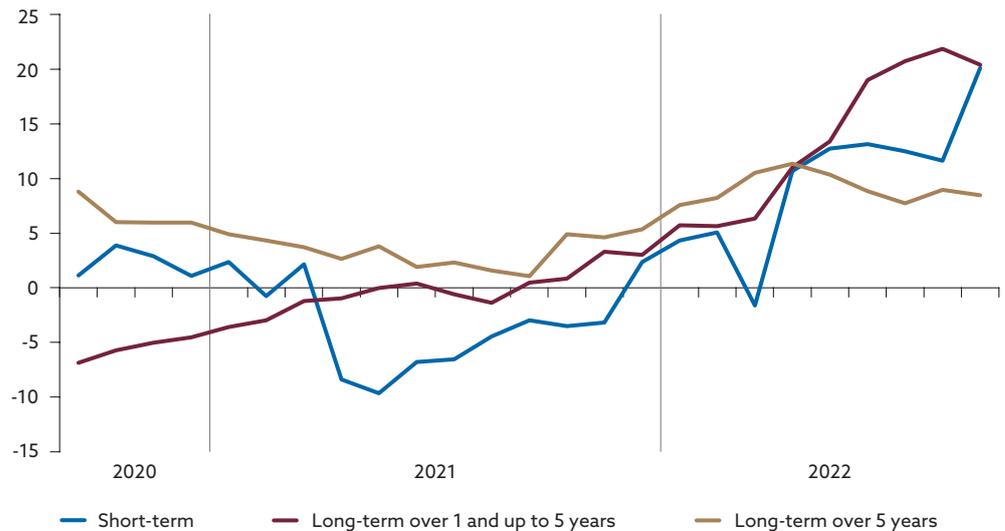
## 2.7 Lending to non-financial corporations and households

### 2.7.1 Loans to non-financial corporations by maturity

This chapter describes the trends in year-on-year changes in loans to non-financial corporations (NFCs). There was significant growth in the volume of loans provided to NFCs compared to the same period in the previous year (14.5%) continuing a rising trend in the aggregate loan volume that began in October 2021. There was especially strong growth in short-term loans, which were 20.1% higher year on year. The annual rate of growth in loans with a maturity of over one year and up to five years accelerated in the third quarter of 2022 to 20.4%. Long-term loans also increased but at a rate of 8.5% year on year, which points to a gradual slowing.

**Chart 21**

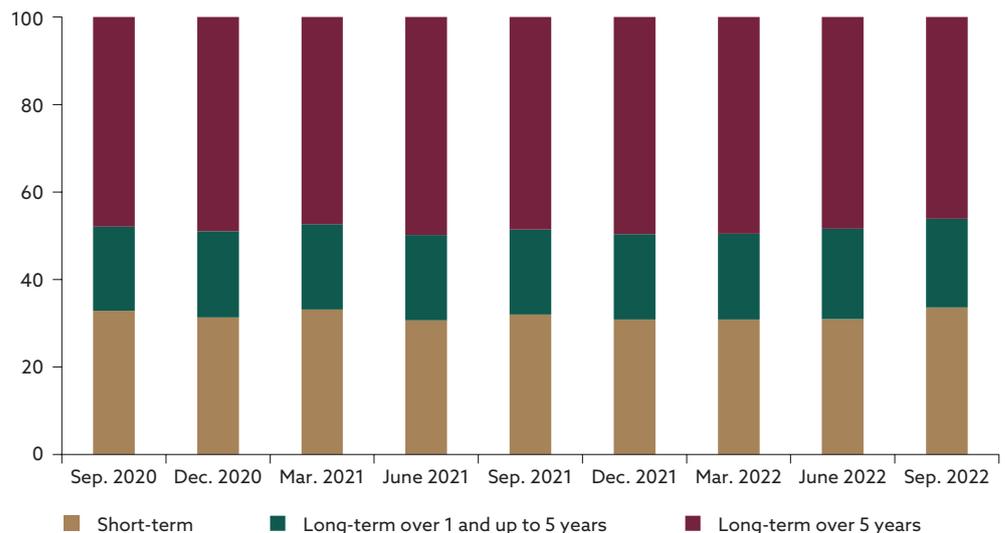
Loans to non-financial corporations by maturity (year-on-year changes in %)



Source: NBS.

**Chart 22**

Loans to non-financial corporations by maturity (% share)



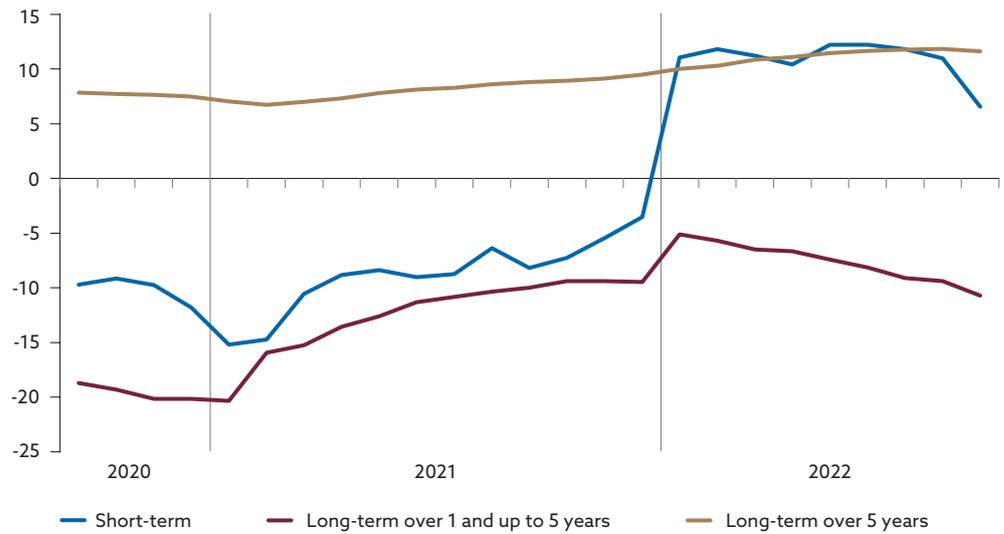
Source: NBS.

## 2.7.2 Loans to households by maturity

In the third quarter of 2022, year-on-year growth in loans to households was 11.1%. The most significant increase (11.6% year on year) was recorded in long-term loans with a maturity of over five years. The volume of long-term loans with a maturity of one to five years was 10.7% lower than in the same period a year earlier. A 6.6% YOY increase in short-term loans to households was observed. This continues an upward trend that began at the start of 2022 after a long period without growth.

**Chart 23**

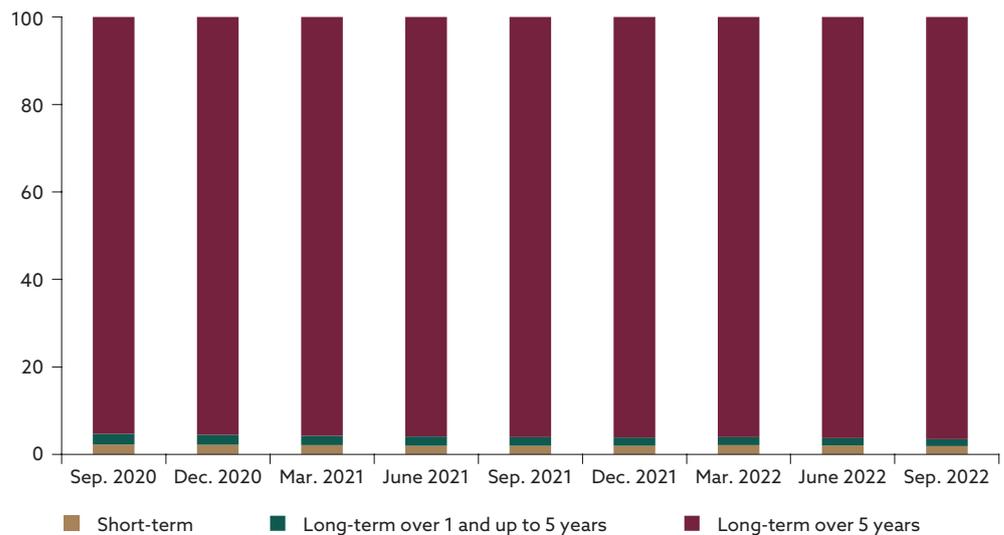
Loans to households by maturity (year-on-year percentage changes)



Source: NBS.

**Chart 24**

Household loans broken down by maturity (% share)



Source: NBS.

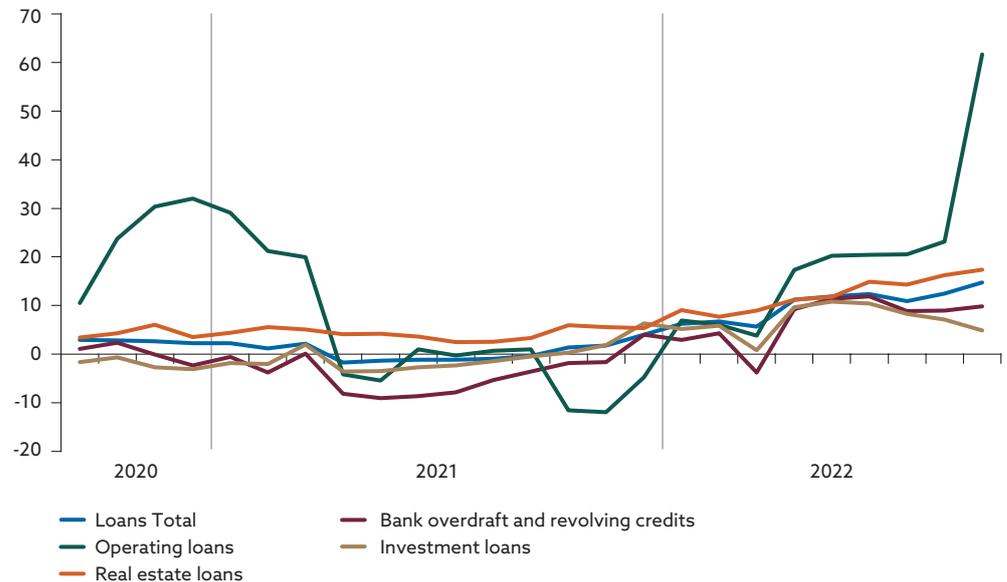
### 2.7.3 Loans to non-financial corporations by type of loan

In the third quarter of 2022, the rate of growth in loans to NFCs compared to the same period a year earlier significantly accelerated to reach 14.7%. The volume of overdrafts and revolving loans was 9.8% higher than in the third quarter of 2021. Compared to the same time a year earlier, the volume of operating loans to NFCs was significantly higher – 61.7% – whereas in September of the previous year the YOY growth rate was around 1.0%. Investment loans to NFCs were down by 2.7% from the same

period in the previous year. Year-on-year growth in real estate loans to NFCs accelerated, from 3.3% to September 2021 to 17.4% to the end of September 2022.

**Chart 25**

**Loans to non-financial by type of loan (year-on-year percentage changes)**



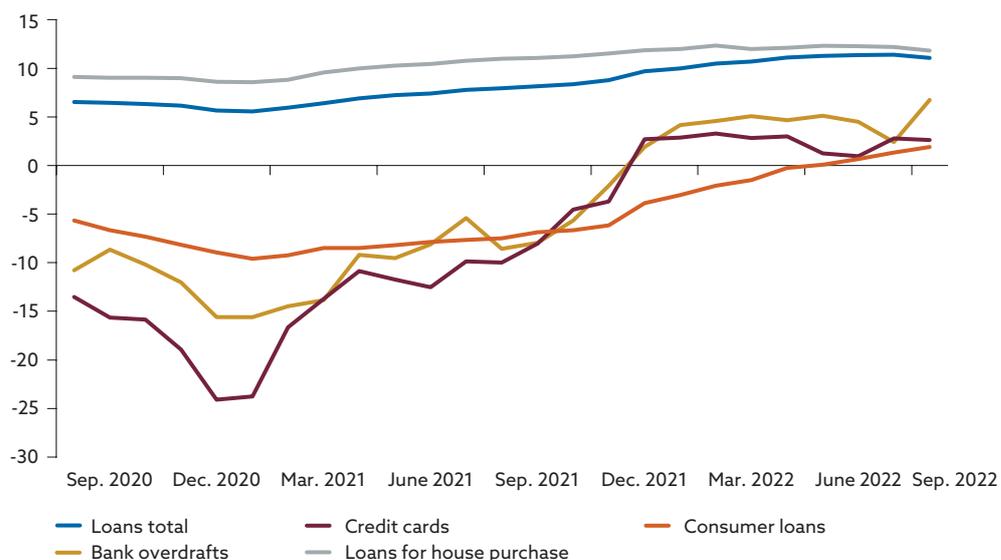
Source: NBS.

### 2.7.4 Loans to households by type of loan

At the end of the third quarter of 2022, the total stock of loans provided to households showed a YOY increase of 11.1% compared with the figure recorded a year earlier. The value of credit card loans increased by 2.6% in the twelve months to September 2022, which continues the rising trend that began in January 2022. The pace of YOY growth in current account overdrafts increased to 6.7%. The stock of consumer loans grew by 1.9% compared to the third quarter of 2021, while that of housing loans increased by 11.8%, year on year.

Chart 26

Households loans broken down by type of loan (year-on-year percentage changes)

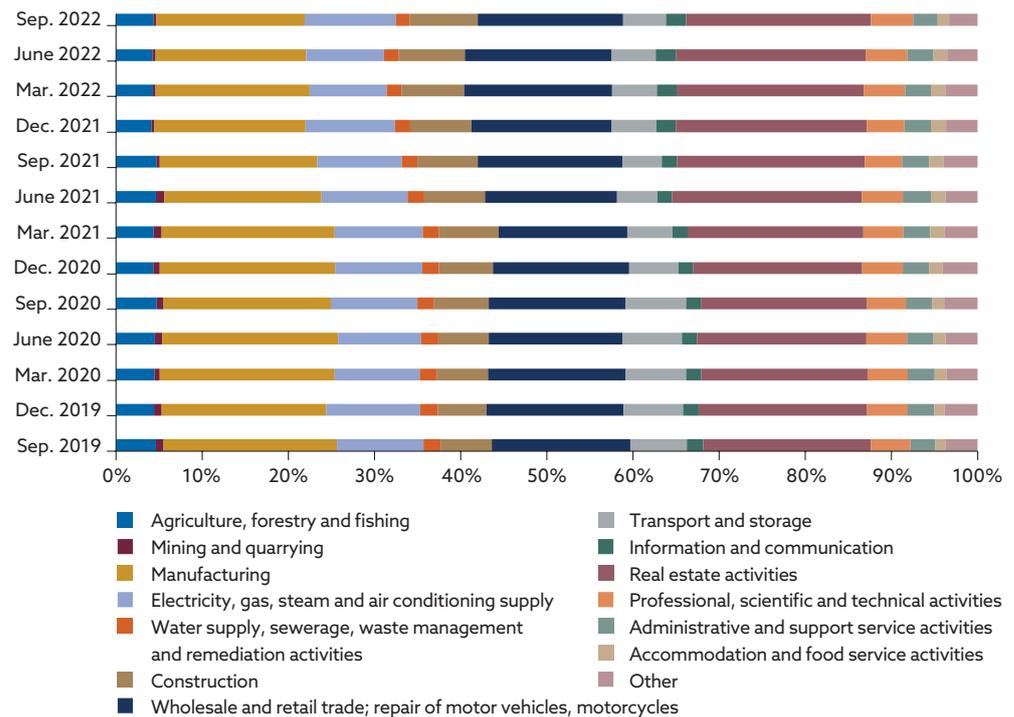


Source: NBS.

### 2.7.5 Loans to non-financial corporations by economic sector

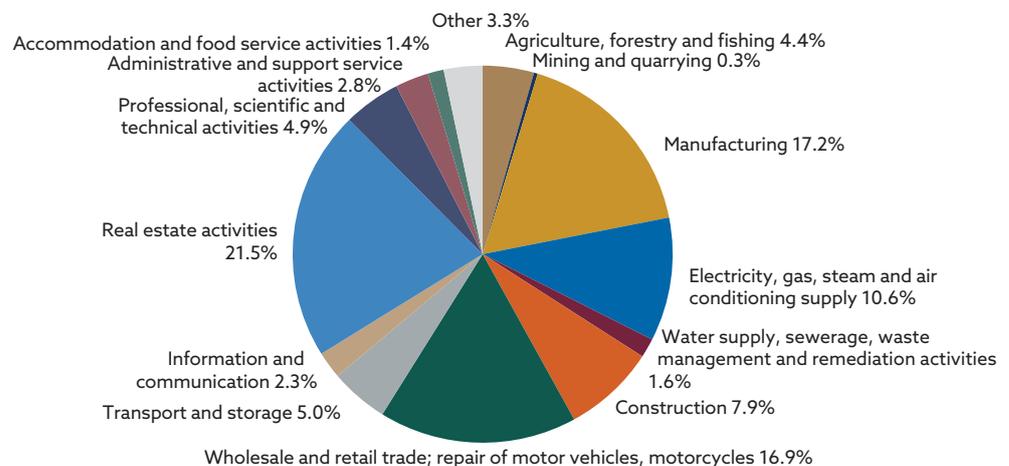
A breakdown of loans provided to non-financial corporations (NFCs) by economic sector shows that loans to the real estate sector accounted for the largest share of the total volume of NFC loans (21.5%) as of 30 September 2022. The share of loans provided to the manufacturing sector expanded to 17.2% at the end of September. Loan provision for wholesale and retail trade and repair of motor vehicles accounted for 16.9%.

**Chart 27**  
NFC loans broken down by economic activity



Source: NBS.

**Chart 28**  
NFC loans broken down by economic activity as at 30 Sep 2022



Source: NBS.

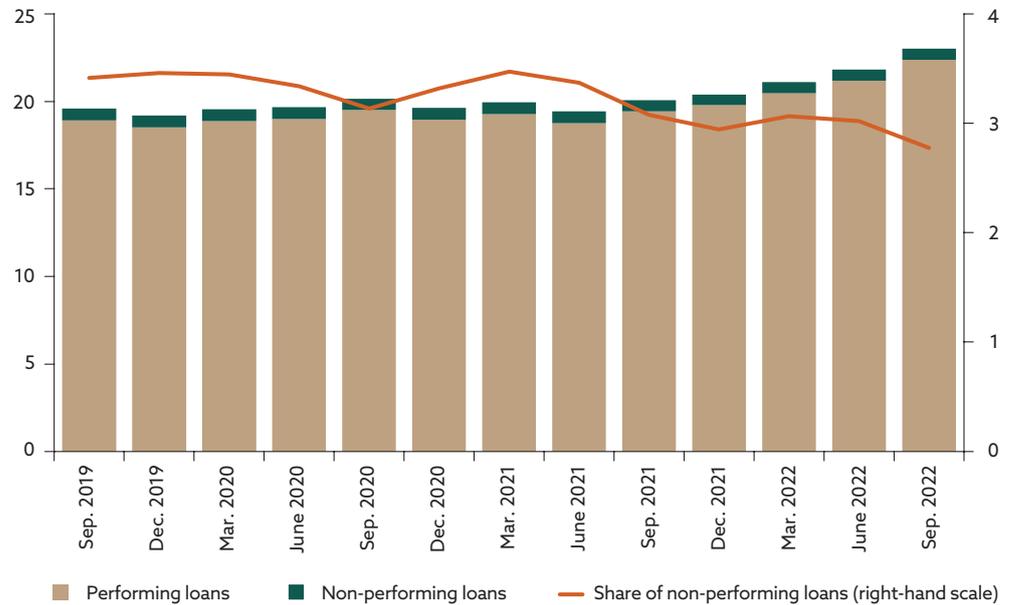
## 2.7.6 Non-performing loans to non-financial corporations

In the third quarter of 2022, the ratio of non-performing loans (NPLs) to total loans provided to non-financial corporations (NFCs) decreased to 2.8%. The NPL ratio for current account overdrafts declined, from 2.8% in September 2021 to 2.4% as of 30 September 2022. The NPL ratio for operating loans stood at 3.0%. In the case of investment loans, the NPL ratio showed

a decline to 2.2%. The NPL ratio for real estate loans provided to NFCs was also 2.2% but there was an increase. In the credit card category, the NPL ratio was 8.1%, which was lower than a year earlier.

**Chart 29**

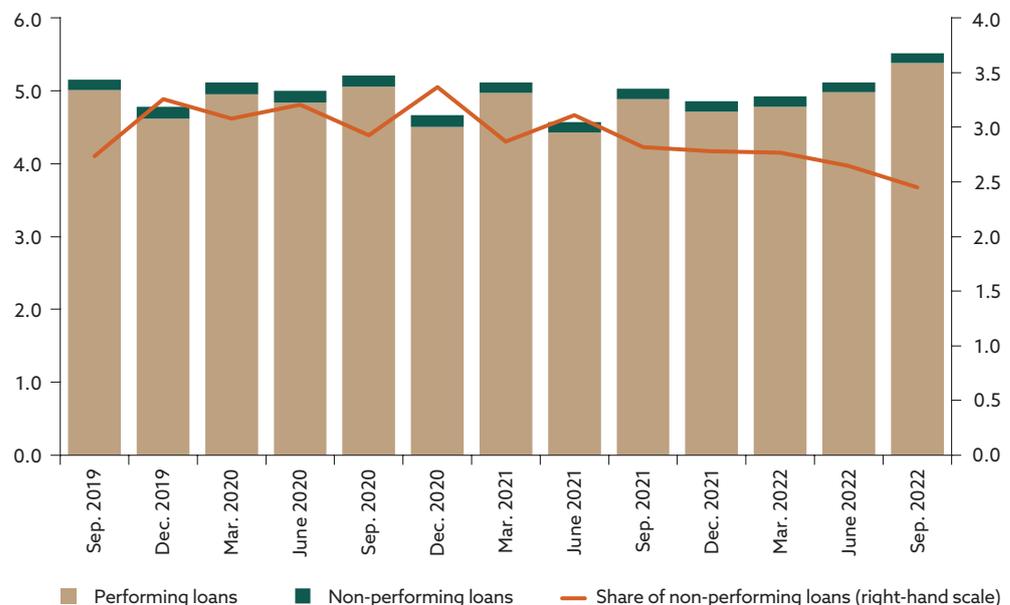
Share of non-performing loans in total NFC loans (EUR billions, %)



Source: NBS.

**Chart 30**

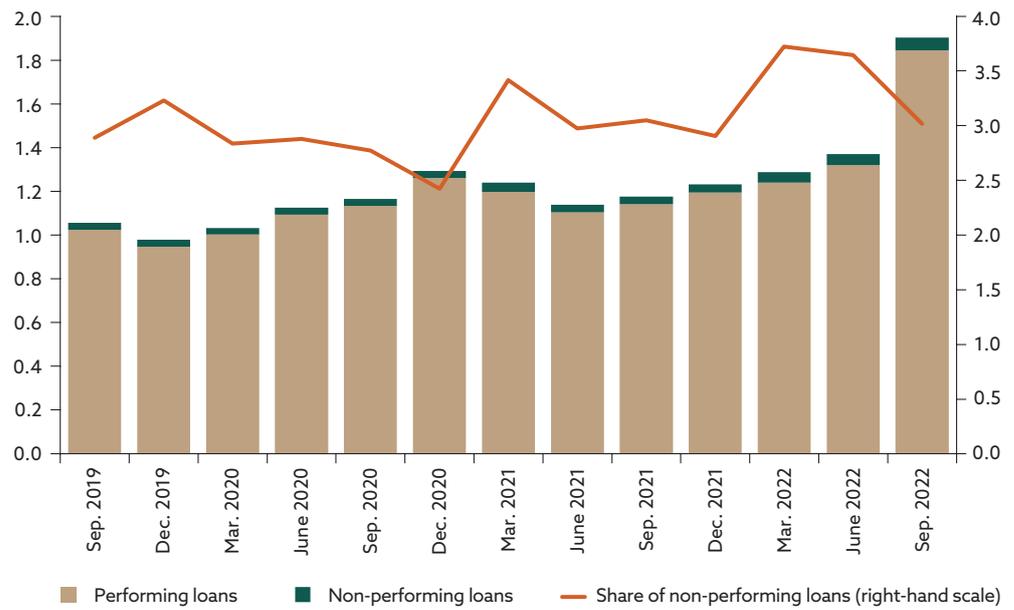
Share of non-performing loans in bank overdrafts and revolving credits to NFCs (EUR billions, %)



Source: NBS.

**Chart 31**

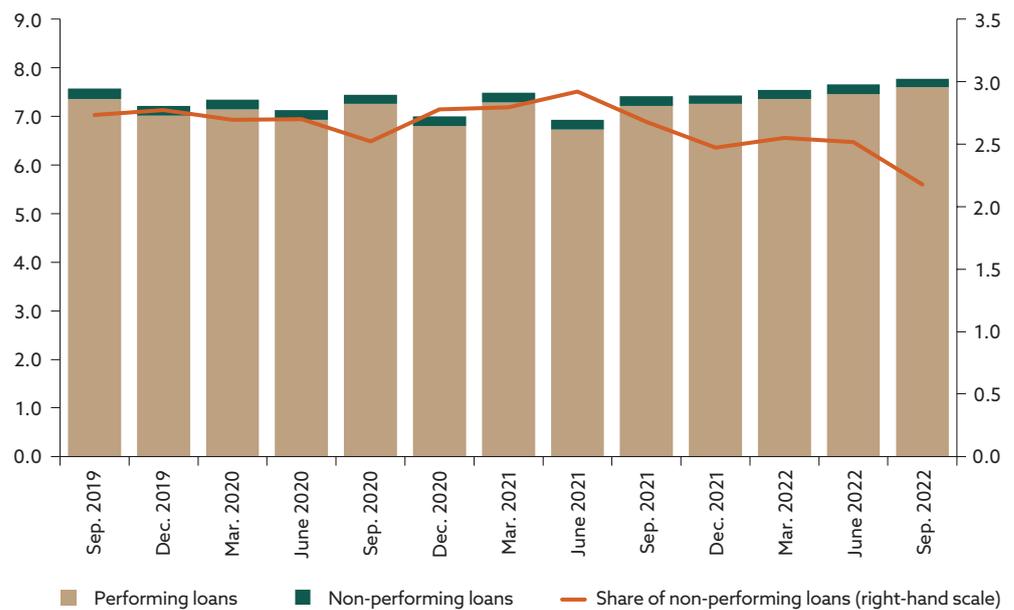
Share of non-performing loans in operating loans to NFCs (EUR billions, %)



Source: NBS.

**Chart 32**

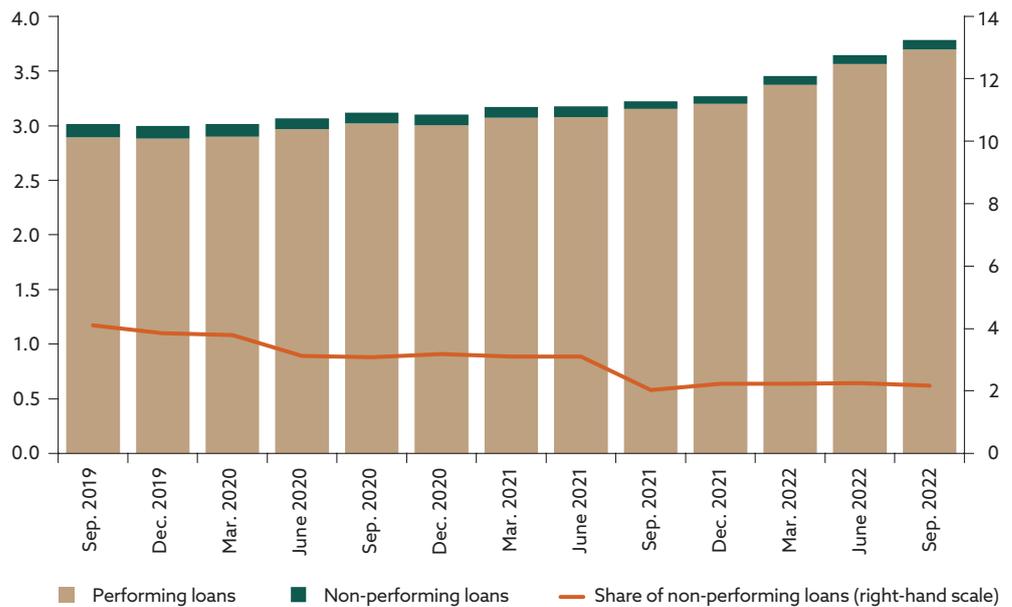
Share of non-performing loans in investment loans to NFCs (EUR billions, %)



Source: NBS.

Chart 33

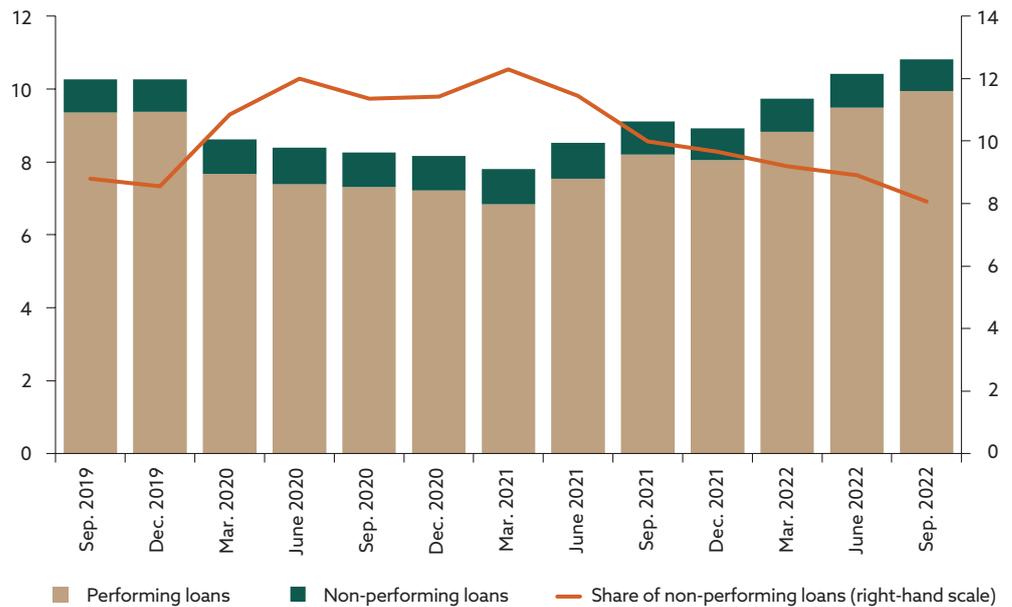
Share of non-performing loans in real estate loans to NFCs (EUR billions, %)



Source: NBS.

Chart 34

Share of non-performing loans in credit card loans to NFCs (EUR millions, %)



Source: NBS.

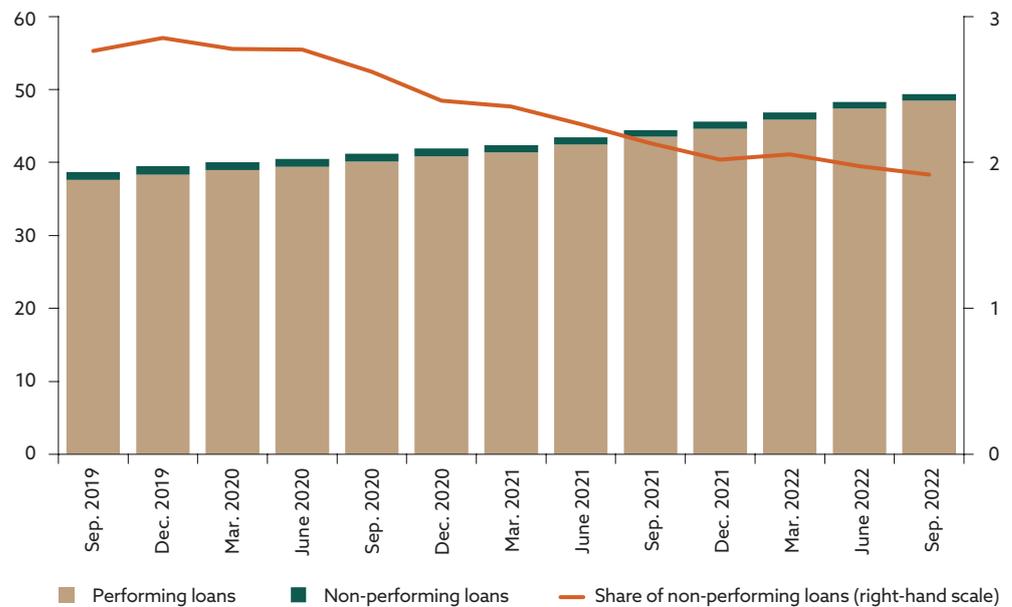
## 2.7.7 Non-performing loans to households

The ratio of non-performing loans (NPLs) to total loans provided to households eased downwards in the third quarter of 2022, compared with the same period a year earlier, reaching 1.9% at the end of September. The high-

est NPL ratio as of September 2022 was recorded in the category of credit card loans (9.5%). The NPL ratio for current account overdrafts (6.4%) was lower than in the same period a year earlier whereas for house purchase loans it remained unchanged at 1.1%. In the category of consumer loans, the NPL ratio decreased by 0.1 percentage point from 7.6% in September 2021 to 7.5% in September 2022.

**Chart 35**

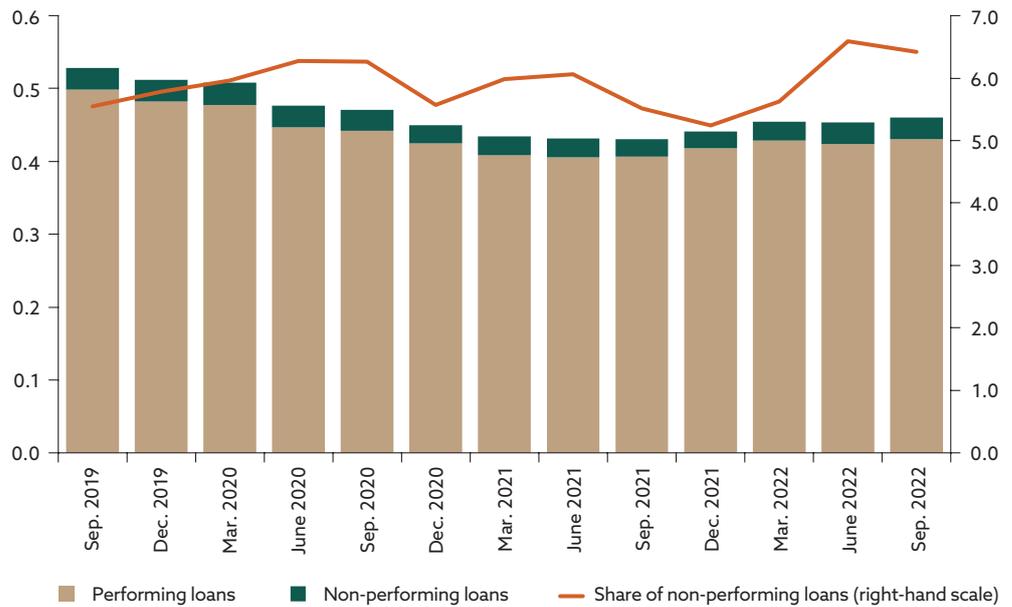
**Share of non-performing loans in total loans to households (EUR billions, %)**



Source: NBS.

**Chart 36**

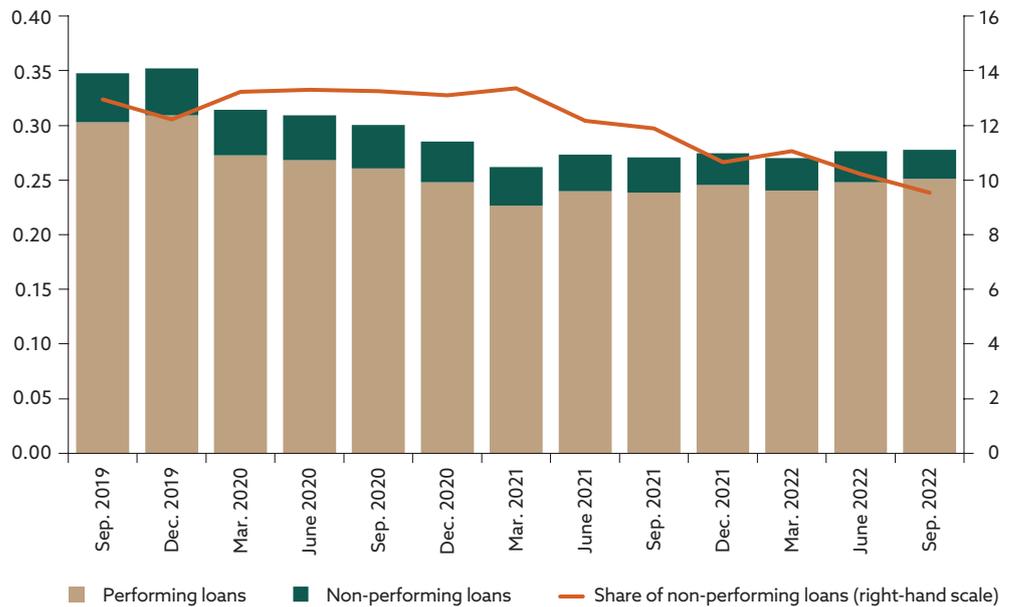
**Share of non-performing loans in bank overdrafts to households  
(EUR billions, %)**



Source: NBS.

**Chart 37**

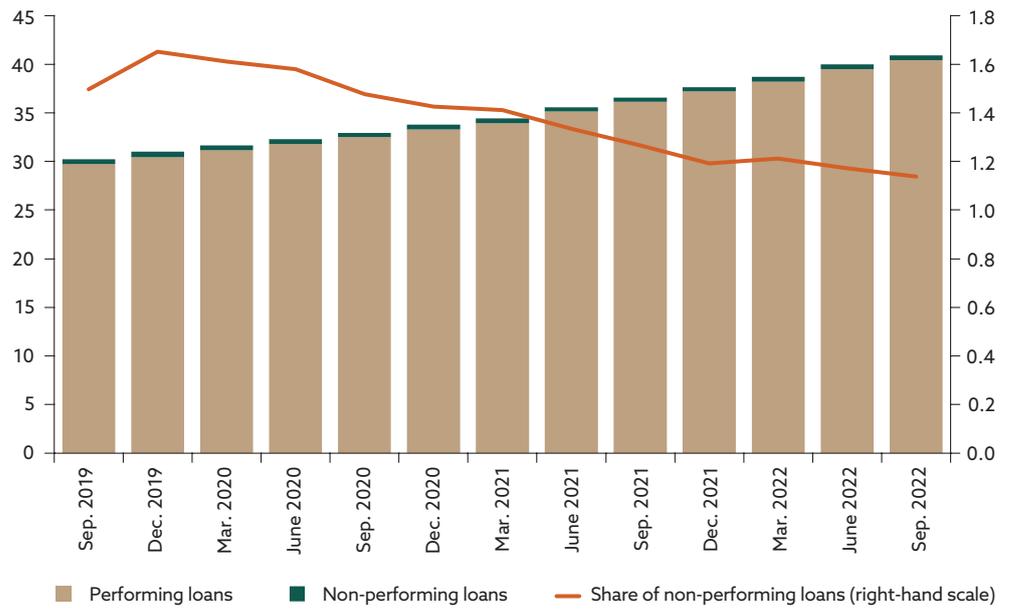
**Share of non-performing loans in credit card loans to households  
(EUR billions, %)**



Source: NBS.

Chart 38

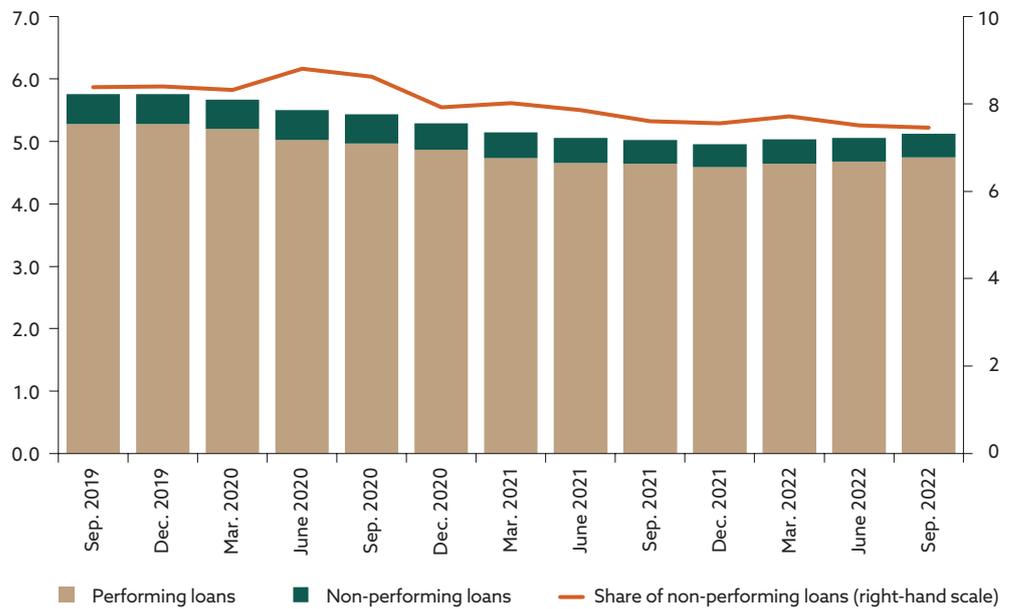
Share of non-performing loans in loans for house purchase to households  
(EUR billions, %)



Source: NBS.

Chart 39

Share of non-performing loans in consumer loans to households  
(EUR billions, %)



Source: NBS.

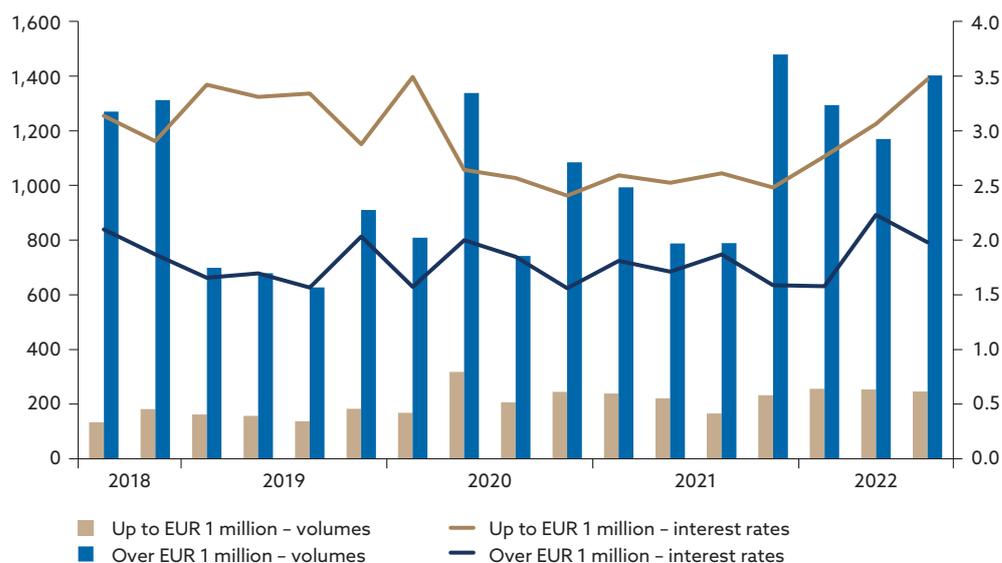
## 2.8 Loans – interest rates, volumes and stocks

### 2.8.1 New loans to NFCs – interest rates and volumes

The total volume of new loans provided to non-financial corporations (NFCs) grew by 22.8% from the third quarter of 2021 to the third quarter of 2022. In the category of ‘loans of up to €1 million’, the volume of loans grew by 45.1% compared to the same quarter of 2021 and this category accounted for 21.1% of all loans in the sector at the end of September 2022. The average interest rate on these loans increased by 0.6 percentage point during the review period to reach 3.2% p.a. The volume of loans in the category ‘loans of over €1 million’ was also higher with net growth of 17.9% compared to the third quarter of 2021. Such loans made up 78.9% of the total volume of NFC loans in the third quarter of 2022. The average interest rate for this category of loans was 2.1% p.a., representing an increase of 0.3 percentage point.

Chart 40

New loans to NFCs – interest rates and volumes (EUR millions, % p.a.)

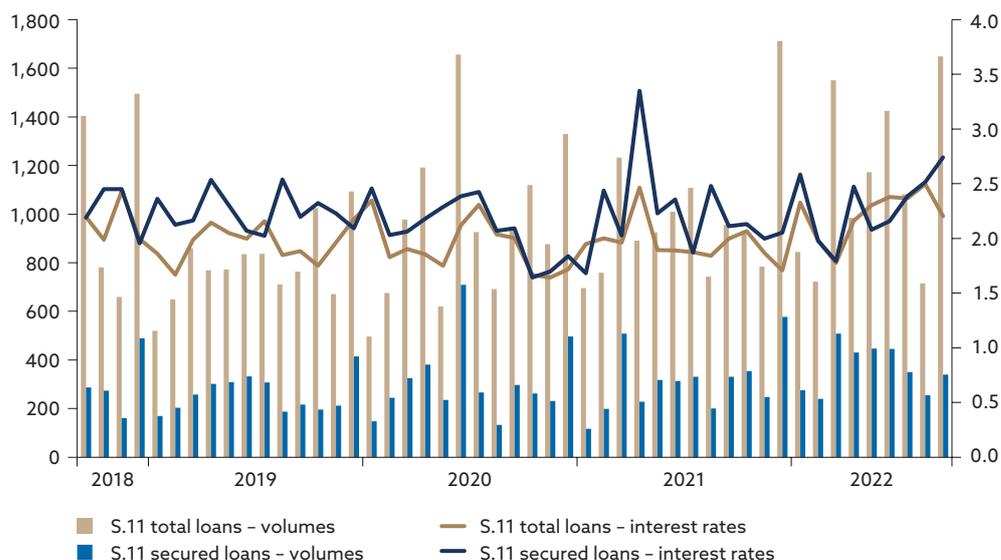


Source: NBS.

The share of new secured loans in the **total** volume of new loans provided to NFCs decreased from 30.7% at the end of the third quarter of 2021, to 27.4% at the end of the same quarter of 2022. The average interest rate for secured loans increased from 2.1% p.a. to 2.6% p.a. The **overall** average rate for new loans provided to NFCs rose by 0.4 percentage point to stand at 2.3% p.a. in the third quarter of 2022.

Chart 41

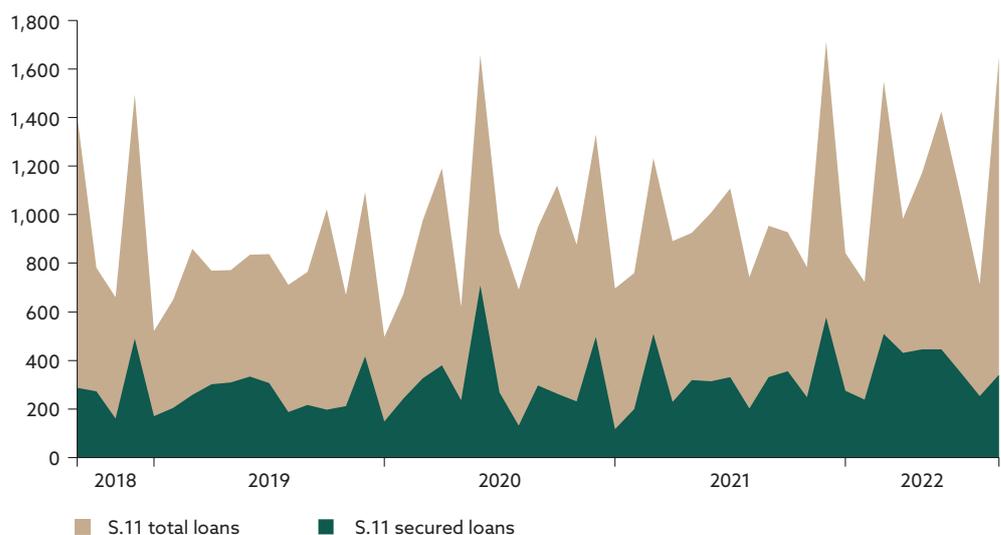
Secured and total new loans to NFCs – Interest rates and volumes  
(EUR millions, % p.a.)



Source: NBS.

Chart 42

Share of secured loans in total new loans to NFCs (EUR millions)

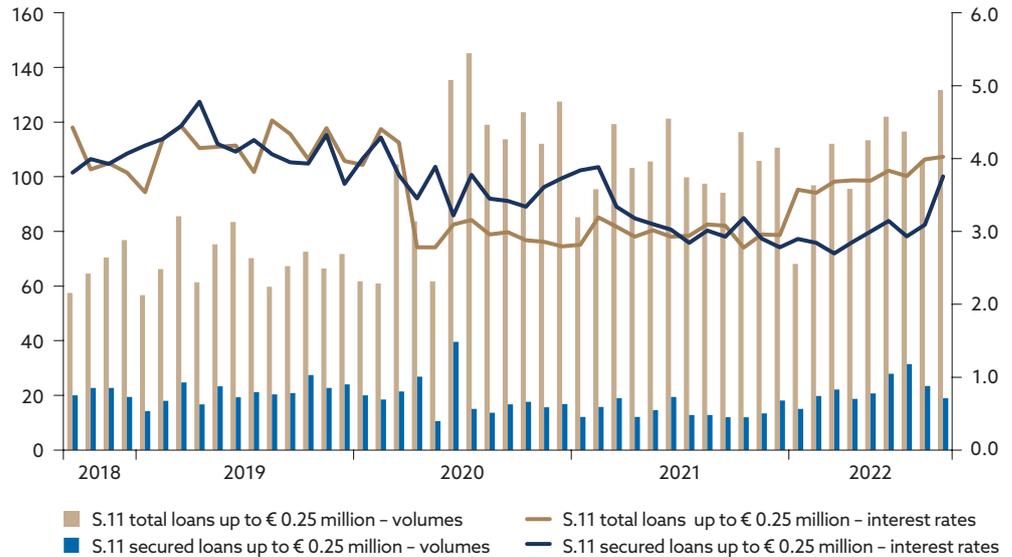


Source: NBS.

In the category of ‘loans of up to €0.25 million’, the share of new secured loans in the total volume of new loans provided to NFCs was 20.9% at the end of September 2022, which represents an increase of 8% compared to a year earlier. The average interest rate on secured loans of this category (3.2% p.a.) was 0.3 percentage point higher than the equivalent period of 2021. The average interest rate for new loans of this category provided to NFCs increased in the review period by 0.9 percentage point, reaching 3.9% p.a. at the end of September.

Chart 43

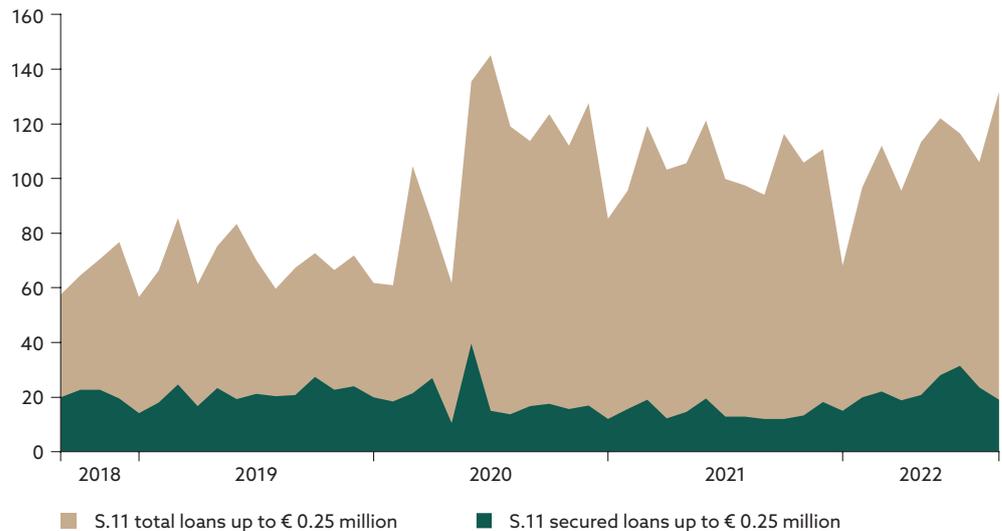
Secured and total new NFC loans up to € 0.25 million – interest rates and volumes (EUR millions, % p.a.)



Source: NBS.

Chart 44

Share of secured loans in total new loans up to € 0.25 million to NFCs (EUR millions)



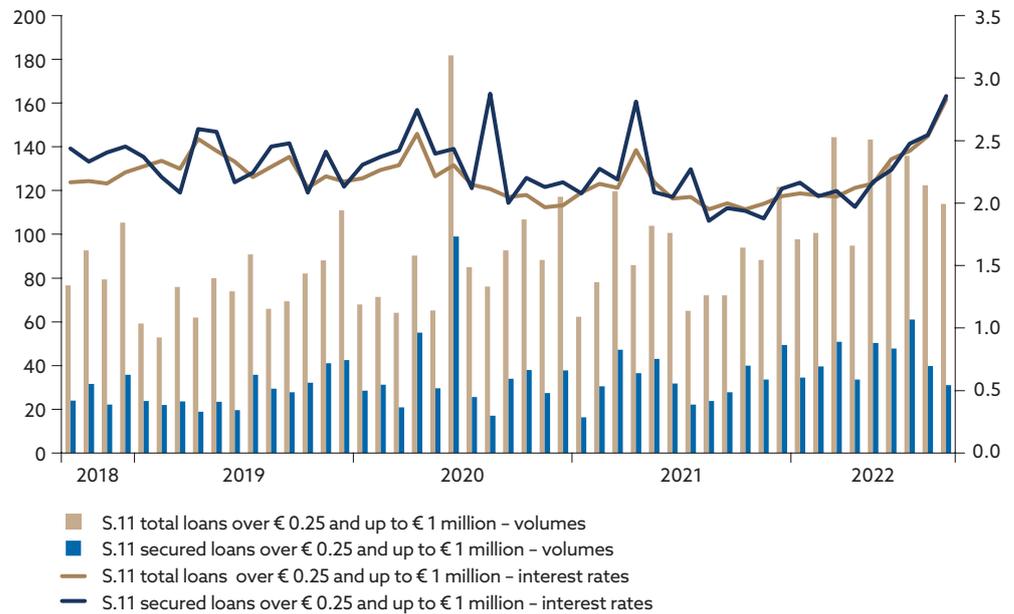
Source: NBS.

In the category of ‘loans of over 0.25 million and up to 1 million’, the share of new secured loans in the total volume of new loans provided to NFCs was slightly larger (0.2 percentage point), year on year, in the third quarter 2022. They made up 35.4% of the new loans at the end of September. The average interest rate on secured loans of this category (2.6% p.a.) was 0.6 percentage point higher than in the equivalent period a year earlier. The aver-

age interest rate on new loans of this category provided to NFCs likewise rose by 0.6 percentage point. It was 2.6% p.a. at the end of the review period.

**Chart 45**

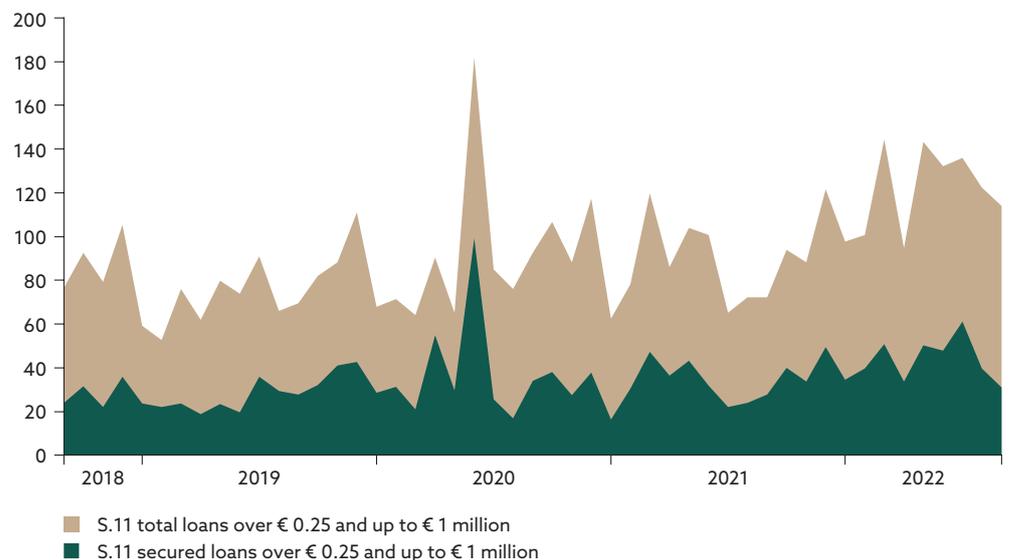
**Secured and total new loans over € 0.25 million and up to € 1 million to NFCs – interest rates and volumes (EUR millions, % p.a.)**



Source: NBS.

**Chart 46**

**Share of secured loans in total new loans over € 0.25 and up to € 1 million to NFCs (EUR millions)**



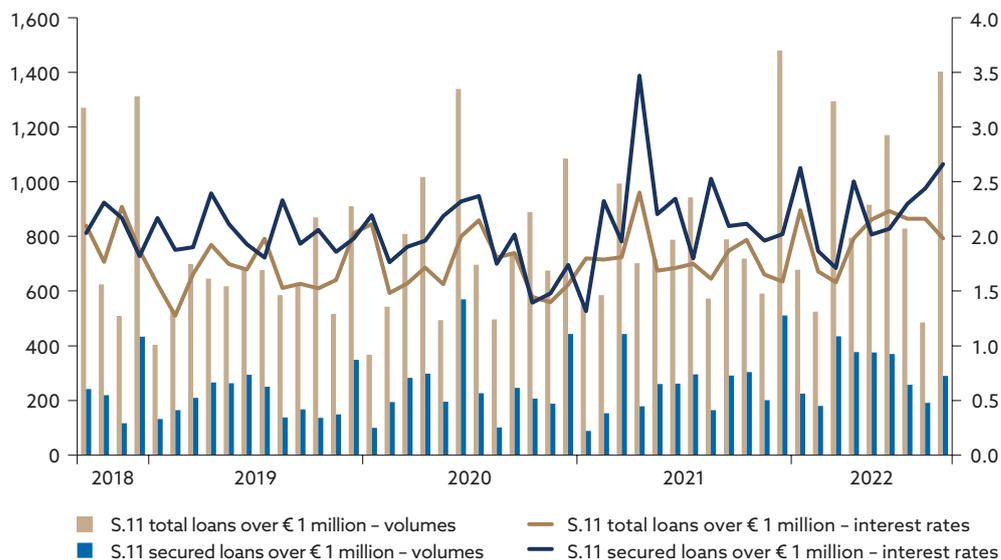
Source: NBS.

In the third quarter of 2022, the share of new secured **‘loans of over €1 million’** in the total volume of new loans provided to NFCs (27.2%) was 5.4 percentage points smaller year on year in the third quarter of 2022. Av-

verage interest rates on secured loans in this category rose by 0.4 percentage point to 2.5% p.a. The average interest rate on new NFC loans of this category was 2.1% p.a. during the review period, which was 0.3 percentage point higher than the year before.

**Chart 47**

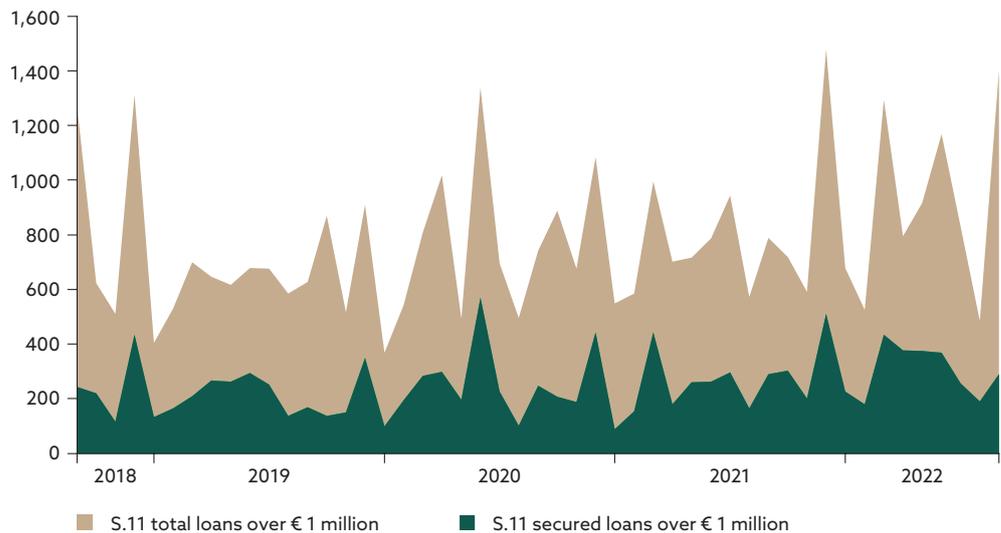
**Secured and total new loans over € 1 million to NFCs - interest rates and volumes (EUR millions, % p.a.)**



Source: NBS.

**Chart 48**

**Share of secured loans in total new loans over € 1 million to NFCs (EUR millions)**



Source: NBS.

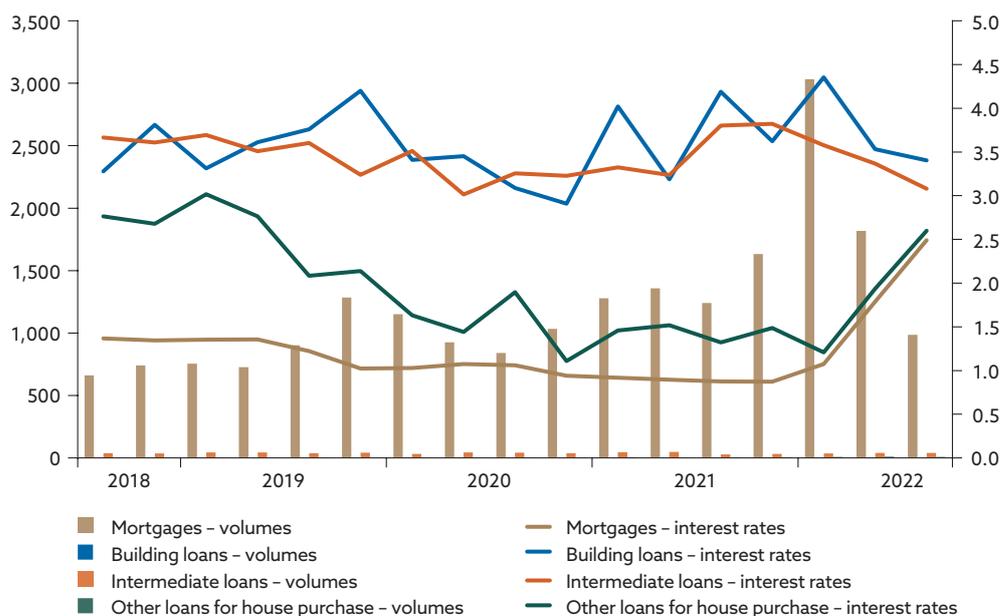
## 2.8.2 New loans to households – interest rates and volumes

### 2.8.2.1 Housing loans – interest rates and volumes

Households' interest in house purchase loans remains far stronger than their demand for any other type of loan. Interest rates on house purchase loans rose to an average of 2.35% p.a., which was 1.39 percentage points higher than in the third quarter of 2021. During the review period, the average interest rates for each type of loan were as follows: the rate on **building loans**, which are provided by home savings banks, decreased by 0.80 percentage point, to 3.3% p.a. on average; the rate on **intermediate loans**, which are also provided by home savings banks also fell by 0.5 percentage point, to an average of 3.0% p.a.; on the other hand, the average rate on **other loans for house purchase** increased by 1 percentage point to 2.2% p.a. while the rate on **mortgage loans** rose by 1.4 percentage point to 2.3% p.a. on average in the third quarter of 2022.

Chart 49

New loans for house purchase to households – interest rates and volumes (EUR millions, % p.a.)



Source: NBS.

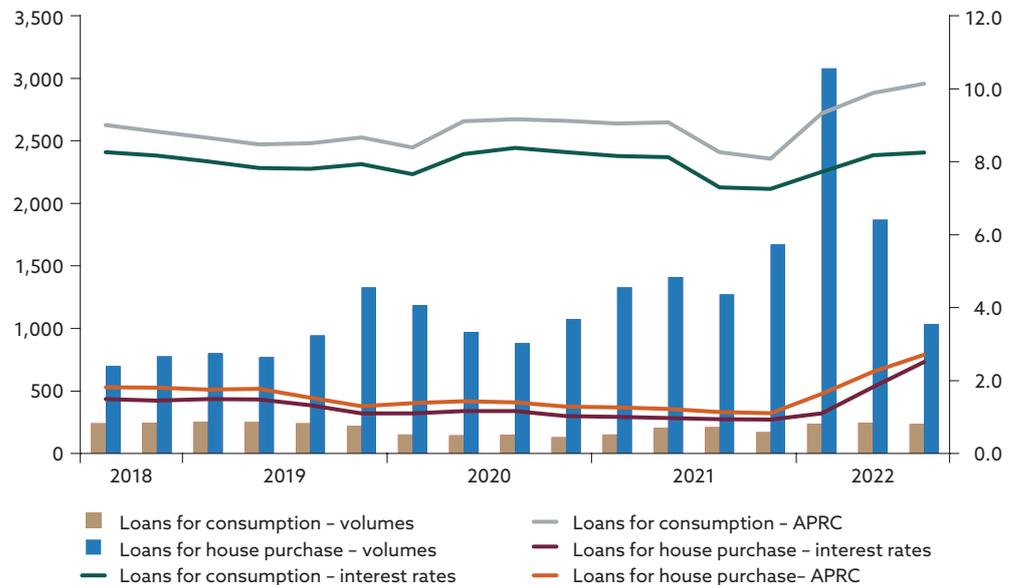
### 2.8.2.2 Housing loans and consumer loans – interest rates and the APRC

As a rule, the **annual percentage rate of charge (APRC)** for loans provided to households exceeds the rate of interest charged on these loans. Just as the interest rate for house purchase loans increased between the third quarter of 2021 and the third quarter of 2022, the amount of the APRC for such loans also increased by 1.4 percentage point to an average of 2.6% p.a. The APRC for consumer loans followed the same trend. As

regards consumer loans, the average interest rate rose by 0.5 percentage point to an average of 8.3% p.a. in the third quarter of 2022. In the same period, the APRC for consumer loans rose by 1.4 percentage point to 10.1% p.a.

**Chart 50**

**New loans for consumption and loans for house purchase – interest rates, APRC and volumes (EUR millions, % p.a.)**



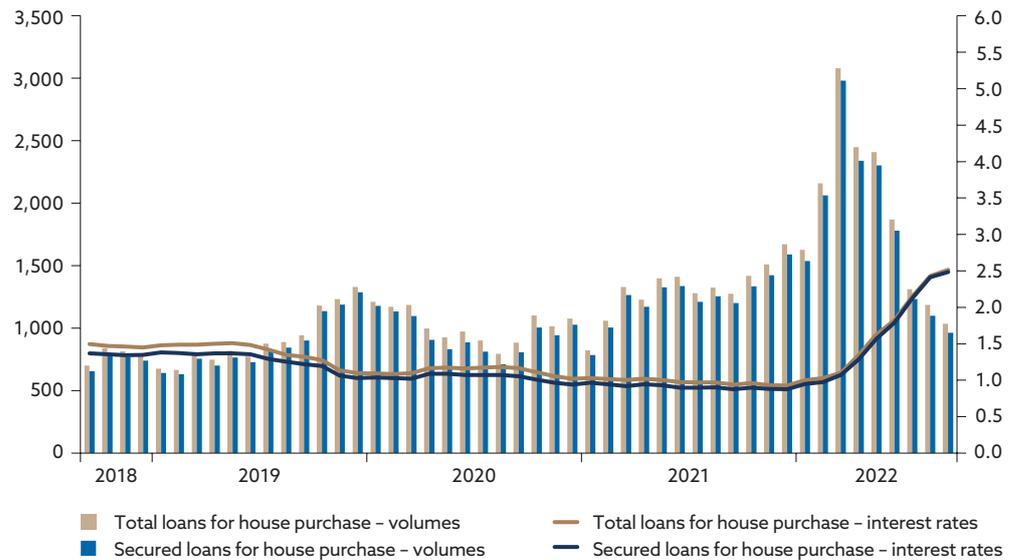
Source: NBS.

### 2.8.2.3 Secured housing loans – interest rates and volumes

The share of new **secured house purchase loans** in the total volume of new loans provided to households for house purchases was 93.3% in the third quarter of 2022, which was 1.2 percentage point smaller than a year earlier. The average interest rate for secured loans increased by 1.4 percentage point in the review period to an average of 2.3% p.a.

Chart 51

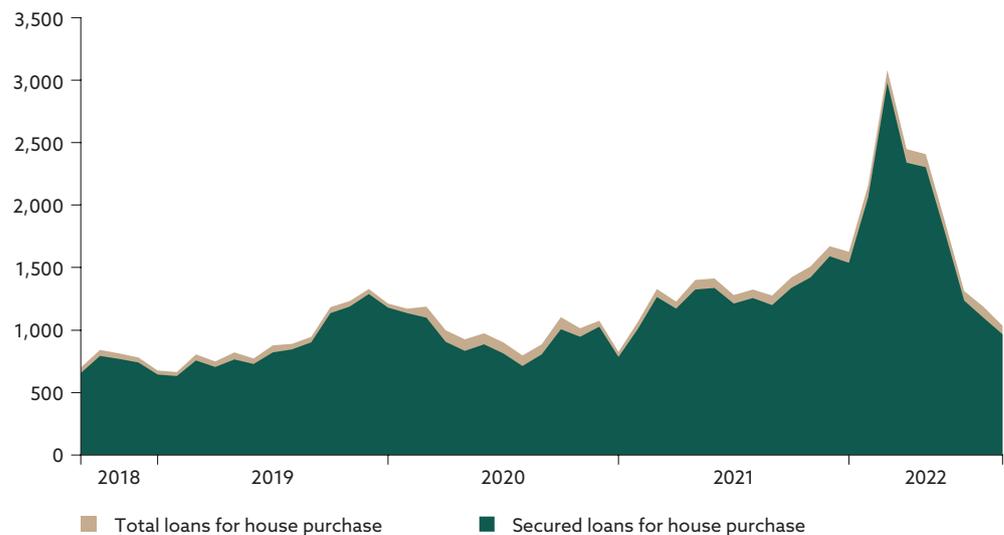
Secured and total new loans for house purchase to households – interest rates and volumes (EUR millions, % p.a.)



Source: NBS.

Chart 52

Share of new secured loans for house purchase in total new loans for house purchase to households (EUR millions)



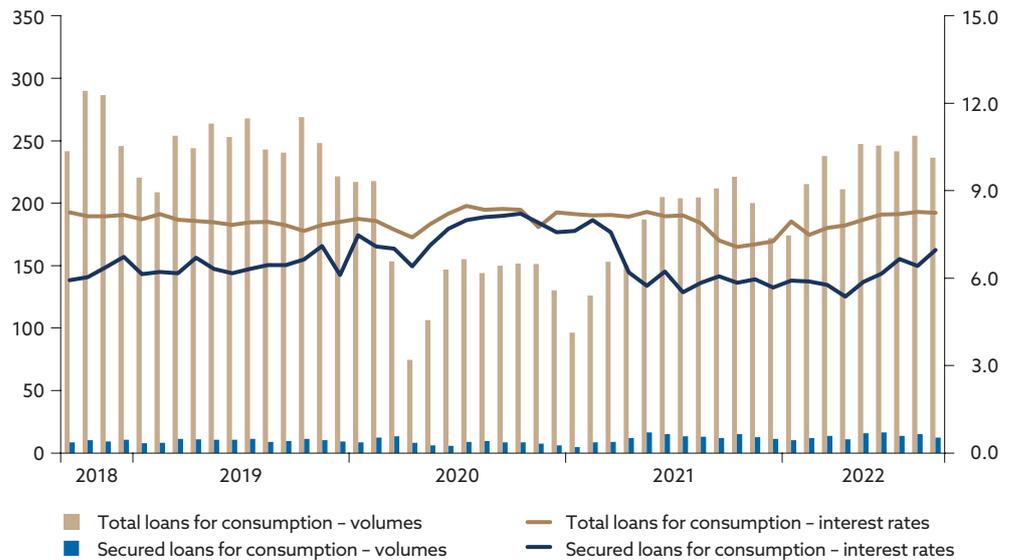
Source: NBS.

#### 2.8.2.4 Secured consumer loans – interest rates and volumes

The share of **secured consumer loans** in the total volume of consumer loans is far lower than the share of secured house purchase loans in their respective category. The third quarter of 2022 saw a 0.6% year-on-year shrinkage in the share of consumer loans backed by security, reaching 5.6% at the end of September. The average interest rate on these loans rose by 0.9 percentage point to 6.7% p.a. for the period in question.

Chart 53

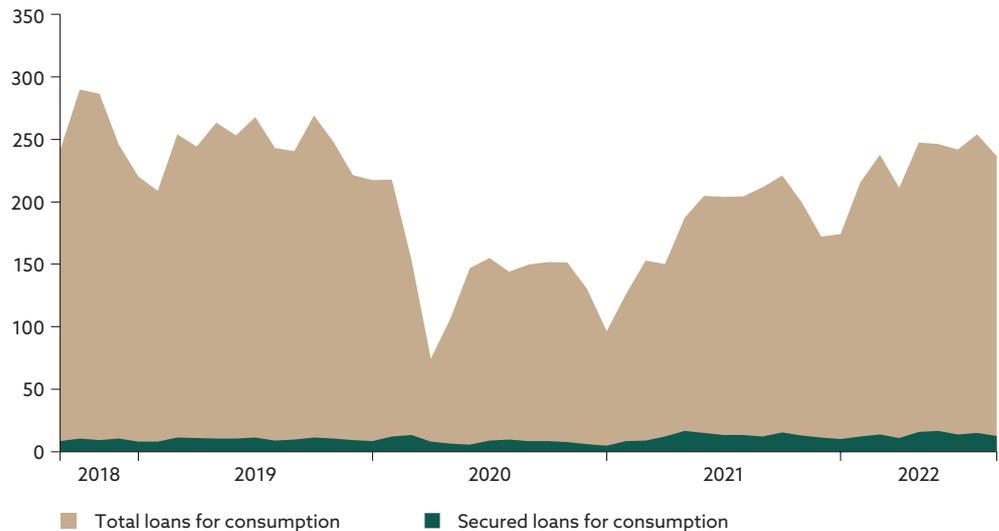
Secured and total new loans for consumption to households – interest rates and volumes (EUR millions, % p.a.)



Source: NBS.

Chart 54

Share of secured loans for consumption in total new loans for consumption to households (EUR millions)



Source: NBS.

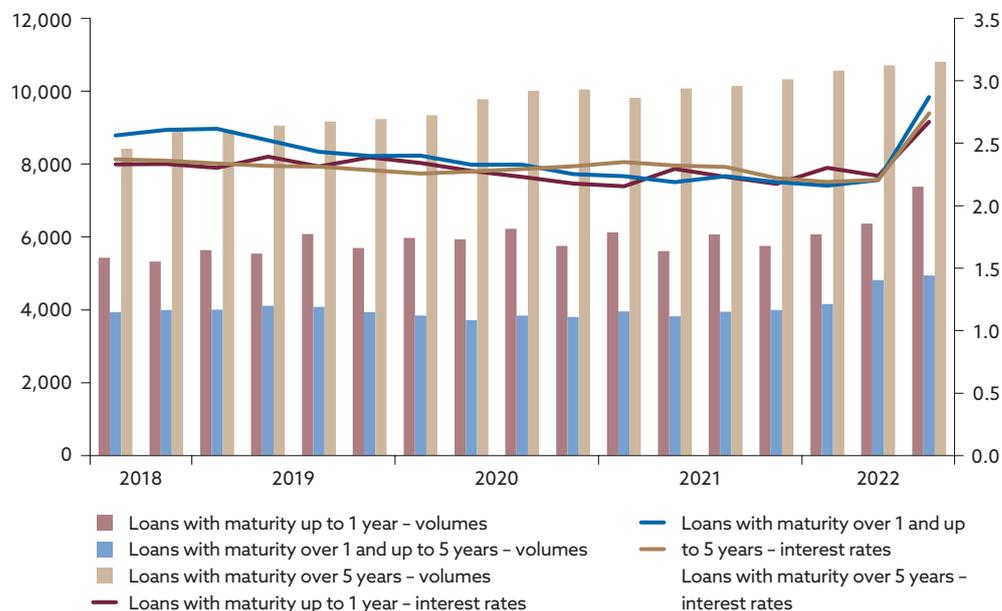
### 2.8.3 Loans to NFCs – interest rates and stocks

During the third quarter of 2022, the average interest rates for **loans provided to NFCs** developed as follows: Interest rates on loans with a maturity of up to one year increased by 0.2 percentage point to an average of 2.43% p.a. Interest rates on loans with a maturity of over one year and up to five years rose by 0.27 percentage point to an average of 2.46% p.a. There was also upward movement in interest rates for loans with a maturity of

over five years amounting to 0.12 percentage point for an average rate of 2.43% p.a.

**Chart 55**

**NFC loans by maturity – interest rates and volumes (EUR millions, % p.a.)**



Source: NBS.

## 2.8.4 Loans to households – interest rates and stocks

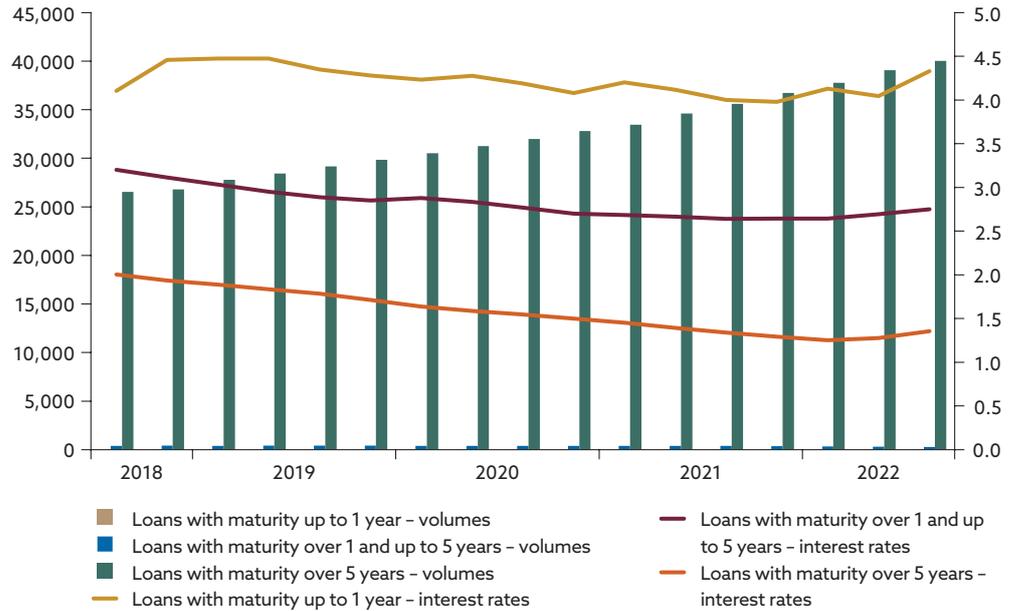
### 2.8.4.1 Housing loans – interest rates and stocks

The majority of both consumer loans and house purchase loans provided to households have maturities of over five years.

During the review period, the interest rates of **house purchase loans** provided to households developed as follows: The average rate on loans with a maturity of over five years was slightly lower year on year (0.1 percentage point) at 1.3% p.a.; the average rate on loans with a maturity of over one year and up to five years increased, in this case by 0.1 percentage point to 2.7% p.a.; the average interest rate on loans with a maturity of up to one year also rose by 0.2 percentage point, to 4.2% p.a. at the end of September 2022.

Chart 56

Households loans for house purchase by maturity – interest rates and volumes  
(EUR millions, % p.a.)



Source: NBS.

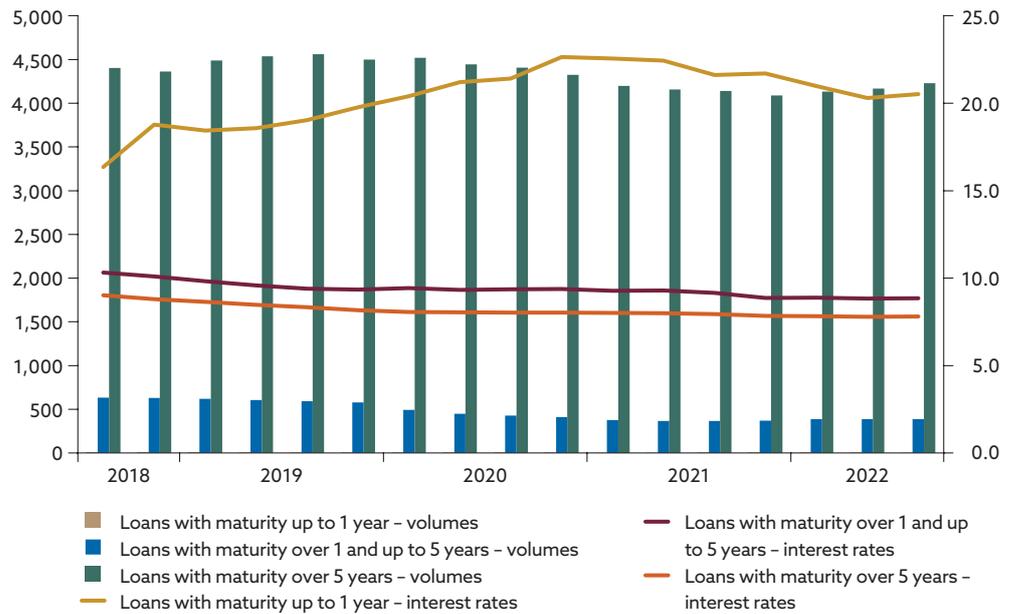
#### 2.8.4.2 Consumer loans – interest rates and stocks

Consumer loans with a maturity of up to one year remained negligible in terms of volume, which was reflected in the strong volatility of interest rates in the category. The stock of consumer loans with a maturity of one to five years slightly increased in the period under review. Loans with a maturity of over five years remained the largest category of consumer loans in terms of volume and also grew slightly.

During the review period, the average interest rates of **consumer loans** provided to households developed as follows: there was a 0.40 percentage point fall in the average rate on consumer loans with a maturity of over one year and up to five years, to 8.8% p.a.; the average rate on consumer loans with a maturity of over five years also decreased, falling by 0.2 percentage point to 7.8% p.a., while consumer loans with a maturity of up to one year fell by 1.4 percentage point, to an average of 20.7% p.a. at the end of the third quarter of 2022.

Chart 57

Households loans for consumption by maturity – interest rates and volumes  
(EUR millions, % p.a.)



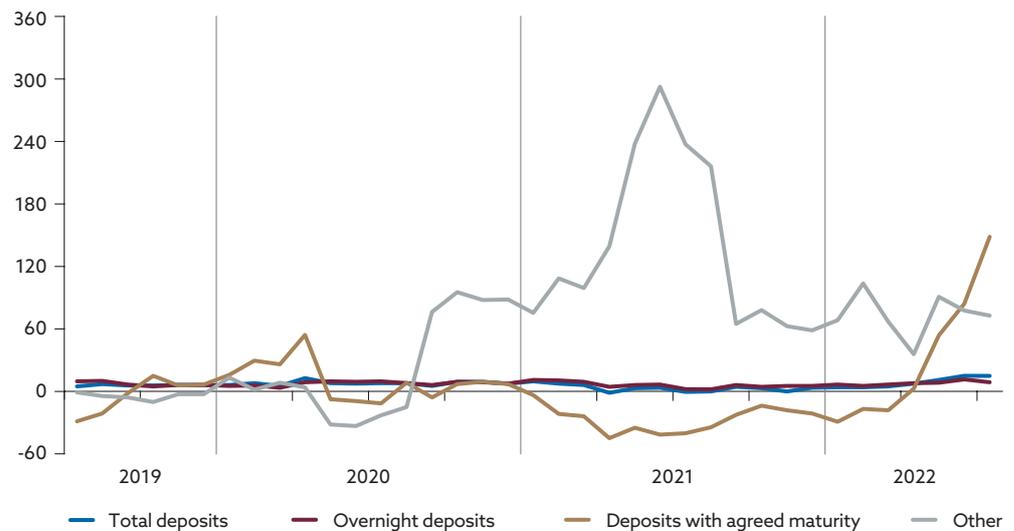
Source: NBS.

## 2.9 Deposits received from non-financial corporations and households

### 2.9.1 Deposits received from non-financial corporations

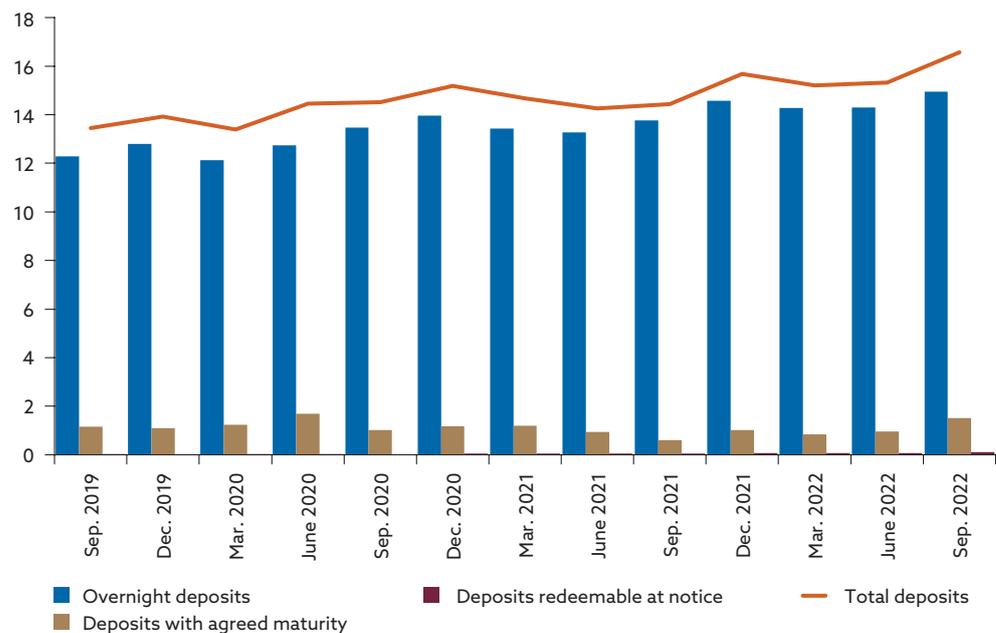
At the end of the third quarter of 2022, deposits received from non-financial corporations (NFCs) were 14.8% higher than a year previously. This increase was mainly due to deposits with an agreed maturity, where the year-on-year growth rate was 148.4%. The YOY growth in other deposits was 72.8% but the small volume of this category meant that there was no significant impact. The stock of demand deposits grew by 8.6% year on year.

**Chart 58**  
NFC deposits by type (year-on-year percentage changes)



Source: NBS.

**Chart 59**  
NFC deposits (EUR billions)



Source: NBS.

## 2.9.2 Deposits received from households<sup>1</sup>

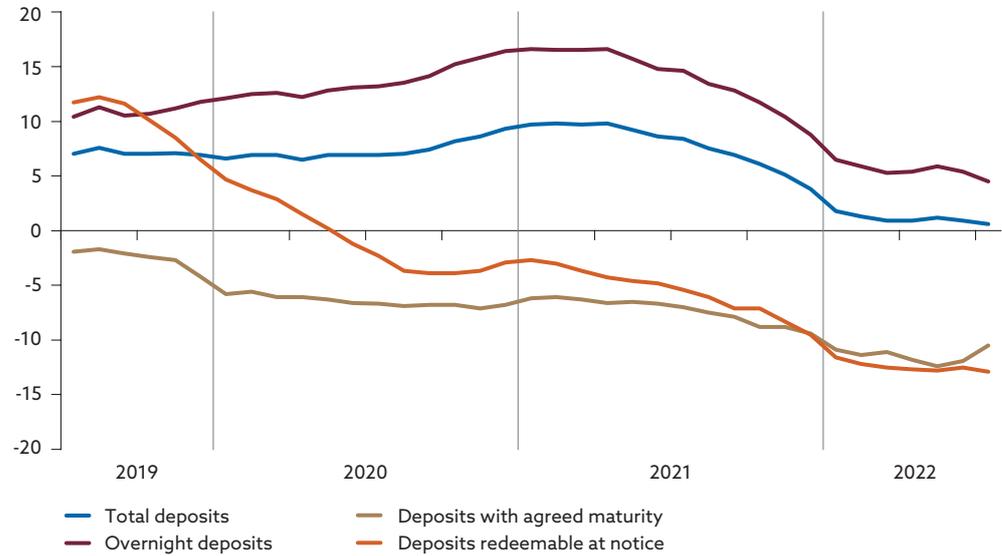
The total stock of deposits received from households increased by 0.6% year on year in the third quarter of 2022. This increase was mainly due to growth

<sup>1</sup> Sight deposits and deposits redeemable at notice were reclassified in 2019, which distorts the year-on-year comparison of these items. The given growth rates apply to euro area households and are calculated from the inflows and outflows of the given items. The absolute values refer to households in Slovakia.

in demand deposits (4.5%). On the other hand, the trend was negatively affected by deposits with agreed maturity and deposits redeemable at notice, which fell in volume, year on year, by 10.5% and 12.9% respectively.

**Chart 60**

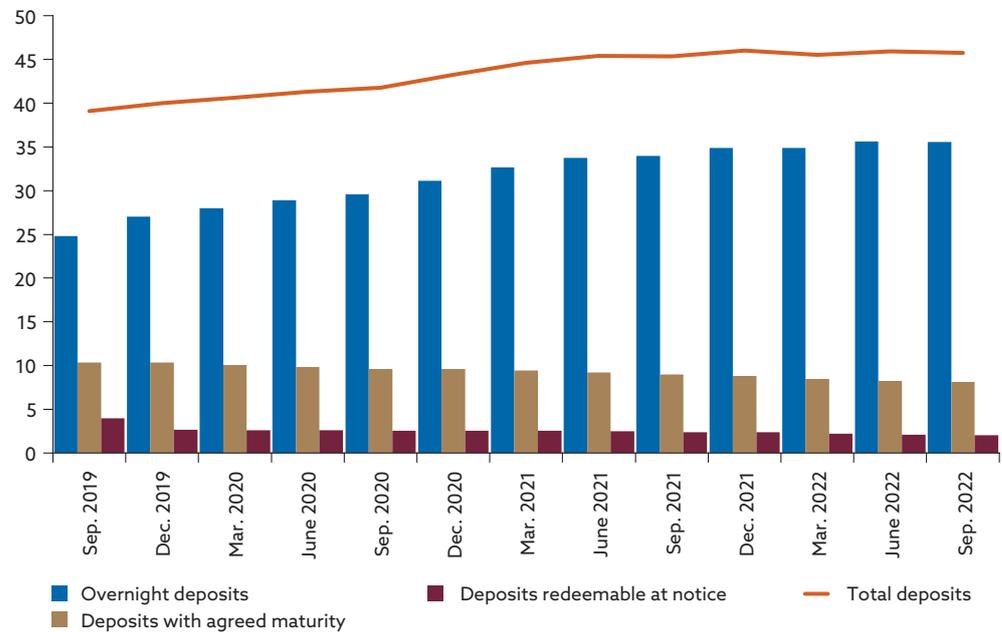
**Households deposits by type (year-on-year percentages change)**



Source: NBS.

**Chart 61**

**Households deposits (EUR billions)**



Source: NBS.

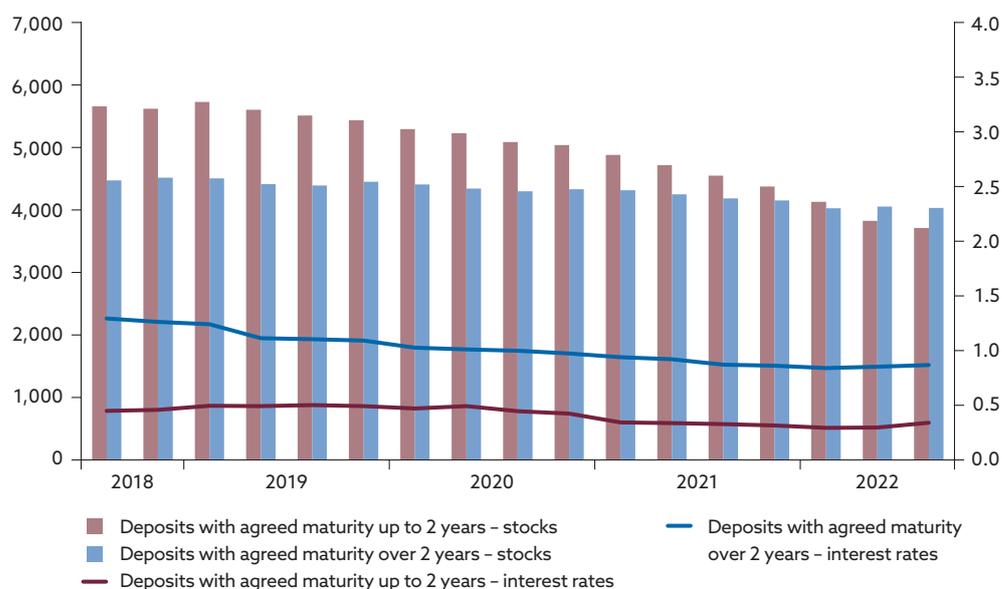
## 2.10 Deposits received – interest rates, volumes and stocks

### 2.10.1 Household deposits – interest rates and stocks

In the third quarter of 2022, household deposits **with an agreed maturity of up to two years** accounted for 47.8% of the total stock of deposits with an agreed maturity, which represented a decrease of 4.4% compared with a year earlier. During the quarter under review, the average interest rate on these deposits was unchanged at 0.3% p.a. The interest rate on deposits **with an agreed maturity of over two years** was also unchanged, with an average value of 0.9% p.a. The total stock of household deposits with an agreed maturity decreased by 12.3% year on year in the periods being compared.

**Chart 62**

**Household deposits with an agreed maturity – interest rates and stocks (EUR millions, % p.a.)**



Source: NBS.

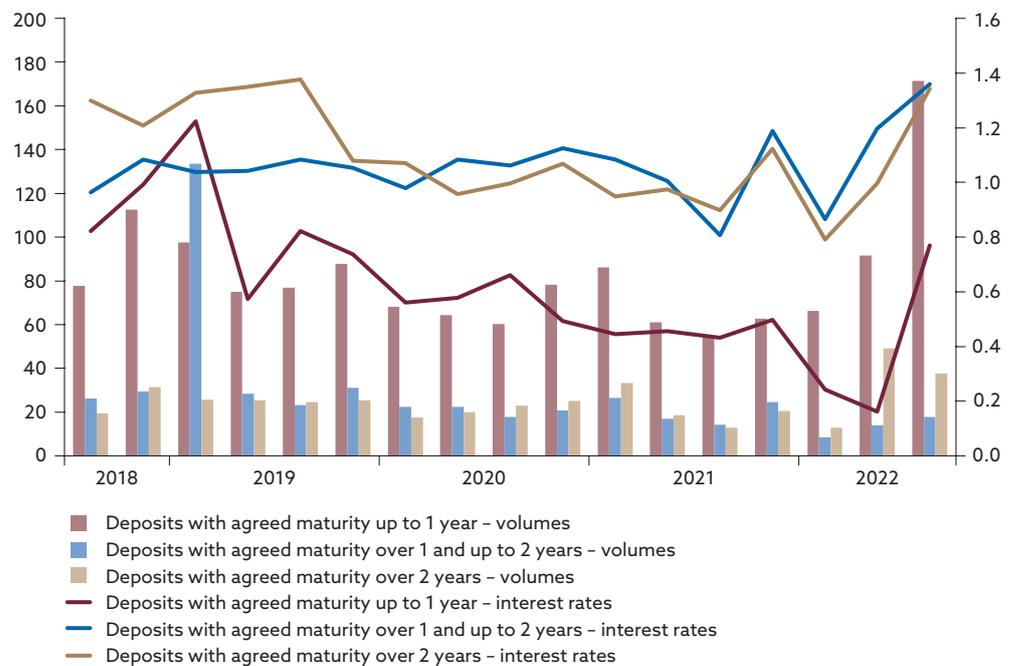
### 2.10.2 New household deposits – interest rates and volumes

Interest rates on **new household deposits** with an agreed maturity changed in the quarter under review as described below. The average rate on new **deposits with an agreed maturity of up to one year** grew by 0.1 percentage point to 0.6% p.a. at the end of September, while the share of these deposits in the total volume of new household deposits with an agreed maturity decreased by 1.4%, to 65.2%. The average interest rate on new deposits **with an agreed maturity of over one year and up to two years** increased by 0.5 percentage point to 1.4% p.a., and the share of these deposits in the total

volume of new household deposits with an agreed maturity fell by 5.5%, to 10.8%. The average rate on **deposits with an agreed maturity of over two years** rose by 0.3 percentage point to 1.2% p.a., while the share of these deposits in the total volume of new household deposits with an agreed maturity increased by 6.9%, to 24%.

**Chart 63**

**New household deposits with an agreed maturity – interest rates and volumes (EUR millions, % p.a.)**



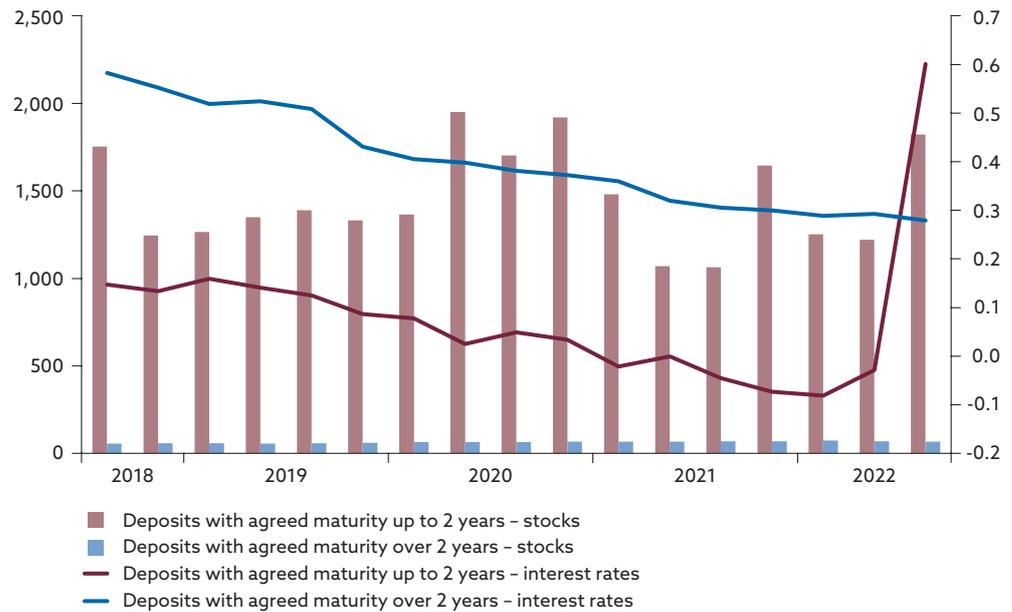
Source: NBS.

### 2.10.3 NFC deposits – interest rates and stocks

At the end of the third quarter of 2022, **deposits with an agreed maturity of over two years**, received from non-financial corporations (NFCs), accounted for 4.2% of the total stock of NFC deposits with an agreed maturity (2.4 percentage points less than a year earlier) while the average interest rate on these deposits was unchanged at 0.3% p.a. The average interest rate on **deposits with an agreed maturity of up to two years** increased in the period under review by 0.4 percentage point to 0.4% p.a., while the share of these deposits in the total volume of NFC deposits with an agreed maturity increased to 95.8%. The total stock of NFC deposits with an agreed maturity increased by 50.2% between the compared periods.

Chart 64

NFC deposits with an agreed maturity – interest rates and stocks  
(EUR millions, % p.a.)



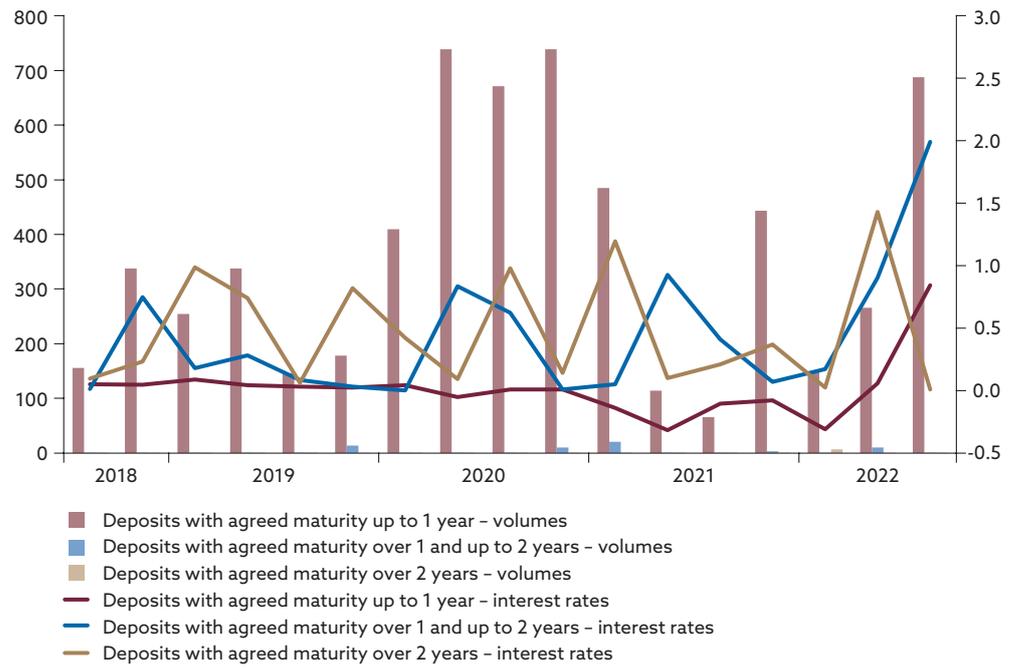
Source: NBS.

#### 2.10.4 New NFC deposits – interest rates and volumes

This section describes changes in interest rates on **new deposits** with an agreed maturity received from non-financial corporations (NFCs) between the third quarter of 2021 and the third quarter of 2022. The average interest rate on new deposits **with an agreed maturity of over two years** decreased by 0.1 percentage point to 0.0% p.a. but the share of these deposits in the total volume of NFC deposits with agreed maturity was relatively insignificant (0.05%). The average interest rate on **deposits with an agreed maturity of one to two years** rose by 0.8 percentage point to 1.2% p.a. and their share in the volume of new NFC deposits with an agreed maturity grew by 3.2%, to 3.5%. Interest rates on new deposits **with an agreed maturity of up to one year** also increased, rising 0.7 percentage point to 0.5% p.a. The vast majority of new NFC deposits with an agreed maturity are in this category (99.9%).

**Chart 65**

**New NFC deposits with an agreed maturity – interest rates and volumes  
(EUR millions, % p.a.)**



Source: NBS.

## 3 Investment funds

Slovakia's investment funds market comprises eight domestic asset management companies and one foreign asset management company, managing a total of 99 domestic open-end funds and one domestic closed-end fund as at 30 September 2022.

Domestic asset management companies:

- 365.invest, správ. spol., a. s.
- Asset Management Slovenskej sporiteľne, správ. spol., a.s.
- Eurizon Asset Management Slovakia, správ. spol., a.s.
- IAD Investments, správ. spol., a.s.
- J&T investičná spoločnosť, správ. spol., a.s.
- PARTNERS ASSET MANAGEMENT, správ. spol., a.s.
- RIB SLOVAKIA, správ. spol., a.s. (predtým GOLDSIDE Asset Management, správ. spol., a.s.)
- Tatra Asset Management, správ. spol., a.s.

Foreign asset management company:

- ČSOB Asset Management, a.s., investiční společnost

### 3.1 Current developments in the collective investment market

For the purposes of monetary and financial statistics compiled by the European Central Bank, investment funds are broken down according to their investment strategy into the following categories: money market funds, bond funds, equity funds, mixed funds, real estate funds, hedge funds and other funds. At the beginning of 2021, some of the investment funds operating in Slovakia reclassified their investment strategies in respect of the principles of NBS statistics. This has led to a fall in the number of other funds.

As of 30 September 2022, the largest share of the total assets of investment funds was held in mixed funds (46.52%), followed by real estate funds (25.94%). Equity funds (14.75%) now have a larger share than bond funds (12.68%) despite having less than half the share of bond funds before the coronavirus pandemic. The share of other funds was 0.11% as of 30 September 2022.

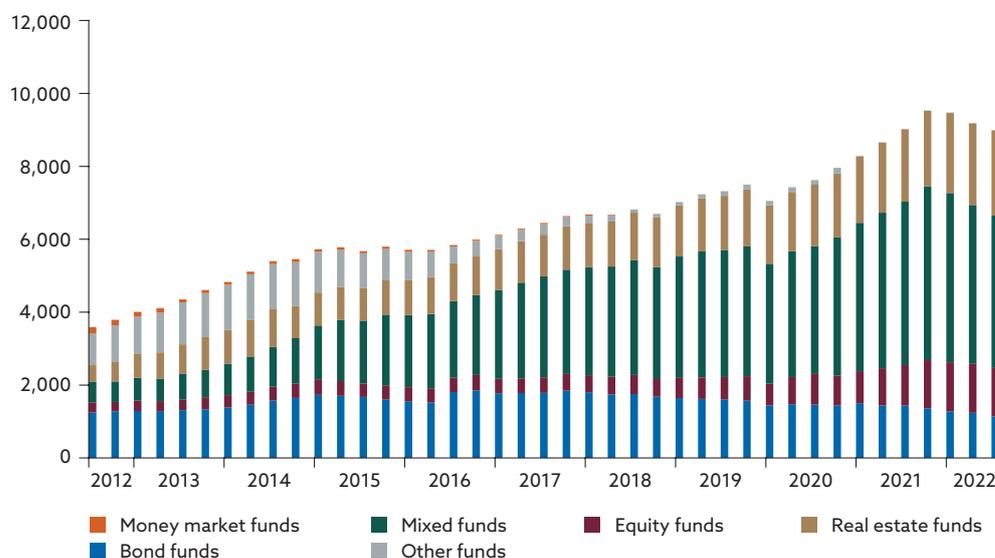
**Table 8 Total assets of mutual funds broken down by type of fund (year-on-year percentage changes)**

Total assets	Year-on-year change in %								
	IX. 2020	XII. 2020	III. 2021	VI. 2021	IX. 2021	XII. 2021	III. 2022	VI. 2022	IX. 2022
Bond funds	-8.78	-8.60	4.24	-2.15	-1.85	-5.32	-14.80	-13.86	-20.65
Equity funds	36.61	23.23	47.38	36.78	31.95	60.01	53.12	32.33	19.49
Mixed funds	0.96	6.53	24.42	23.53	27.72	25.66	14.10	1.89	-6.68
Real estate funds	12.53	11.91	12.06	17.97	18.00	18.47	20.40	16.58	17.47
Other funds	2.10	17.24	-92.25	-93.20	-93.13	-94.56	-6.09	4.45	11.32

Source: NBS.

**Chart 66**

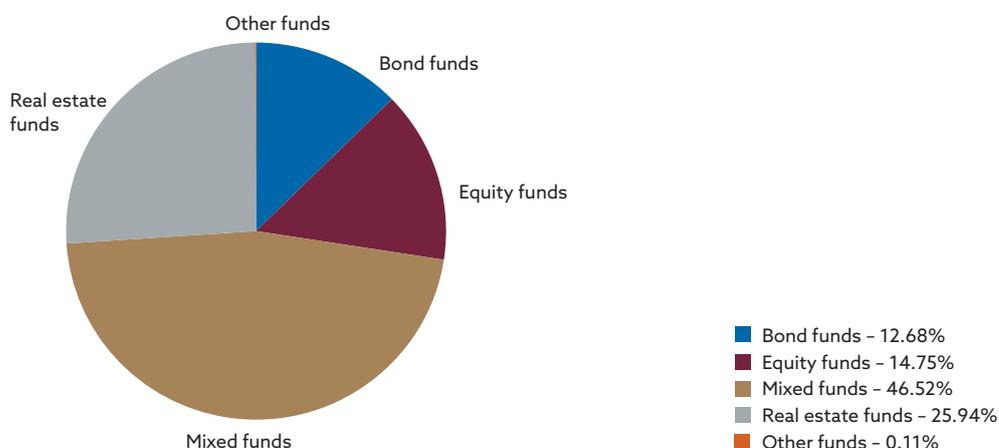
Mutual funds broken down by investment strategy (EUR millions)



Source: NBS.

**Chart 67**

Total assets of domestic mutual funds as at 30 September 2022 broken down by type of fund



Source: NBS.

## 3.2 Asset structure of domestic investment funds

### 3.2.1 Bond funds

Bond funds invest primarily in government and bank debt securities and in bank time deposits.

As of 30 September 2022, most of the assets under management were debt securities (67.03%). Funds continue to invest significant amounts in investment fund shares/units (14.35%) and term deposits / current accounts (17.42%). The remaining 1.20% consisted of other assets and financial derivatives.

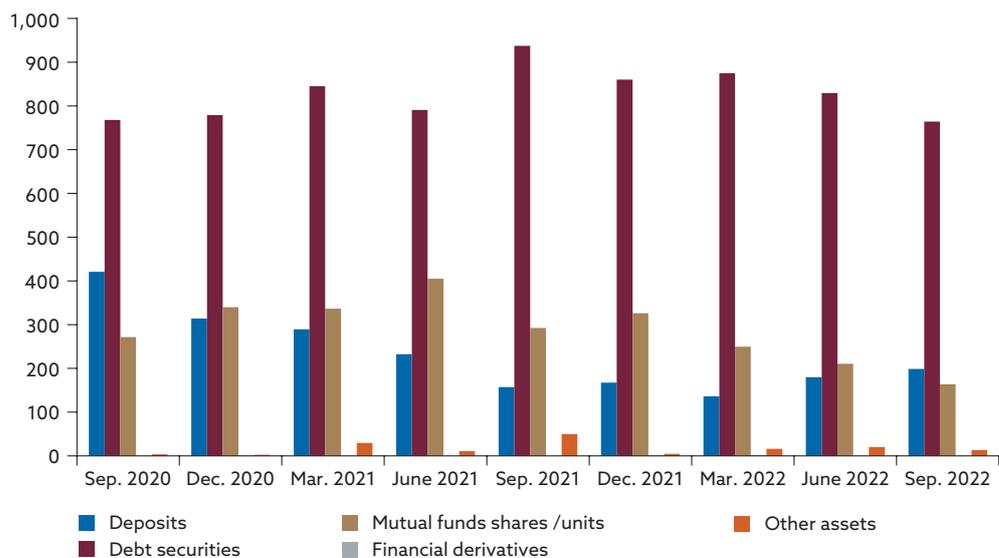
In terms of issuer residency, the largest group (42.57%) was issued in countries classified as “rest of the world”. This was followed by debt securities issued by Slovak residents (32.53%) and securities issued in other euro area countries, whose share of debt securities in the third quarter of 2022 amounted to 24.90%.

In terms of issuer sector, the largest group of bond funds’ holdings of debt securities came from non-financial corporations and other financial institutions (40.91%). This was followed by government bonds, which made up 38.93% of aggregate holdings as of 30 September 2022. The remaining 20.16% were debt securities issued by banks.

In terms of residual maturity, bond funds’ securities holdings broke down as follows: 29.39% of the securities had a maturity of up to one year, 17.81% a maturity of over one year and up to two years, and 52.80% a maturity of over two years.

Chart 68

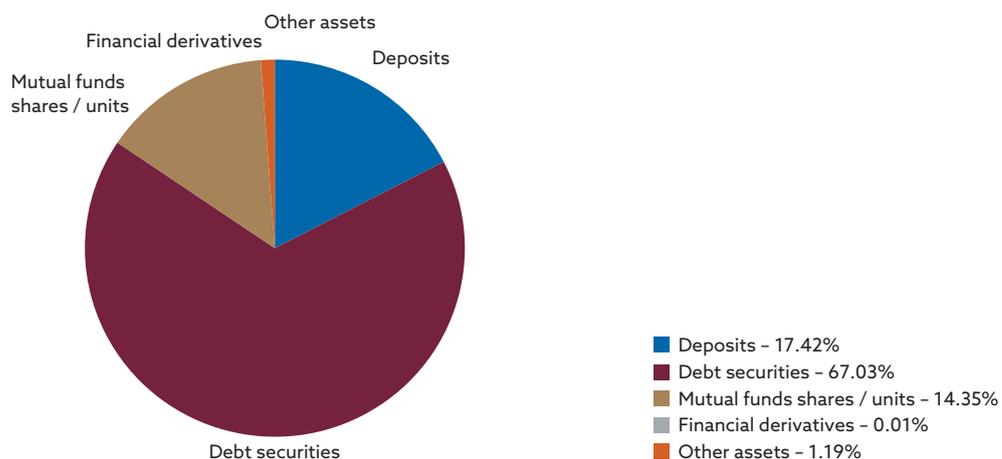
Bond funds: evolution of assets (EUR millions)



Source: NBS.

Chart 69

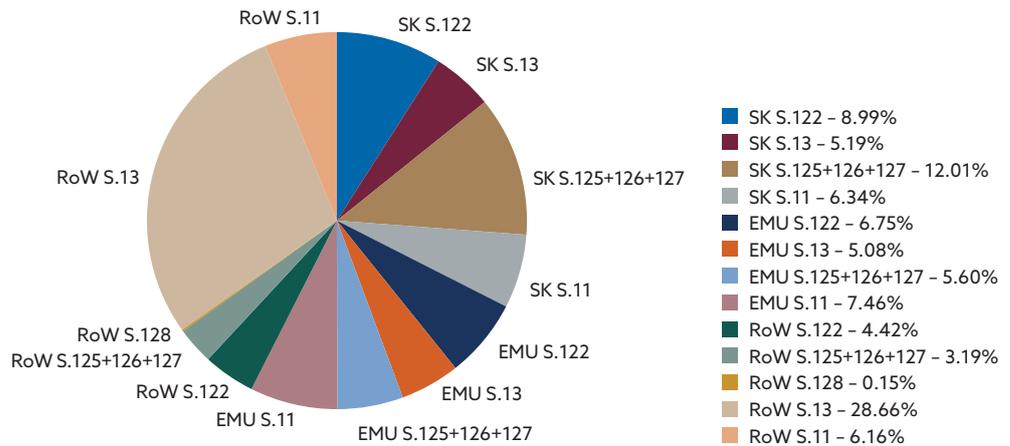
Bond funds: structure of assets as at 30 September 2022



Source: NBS.

**Chart 70**

**Geographical and sectoral breakdown of debt securities in the portfolio of bond funds as at 30 September 2022**

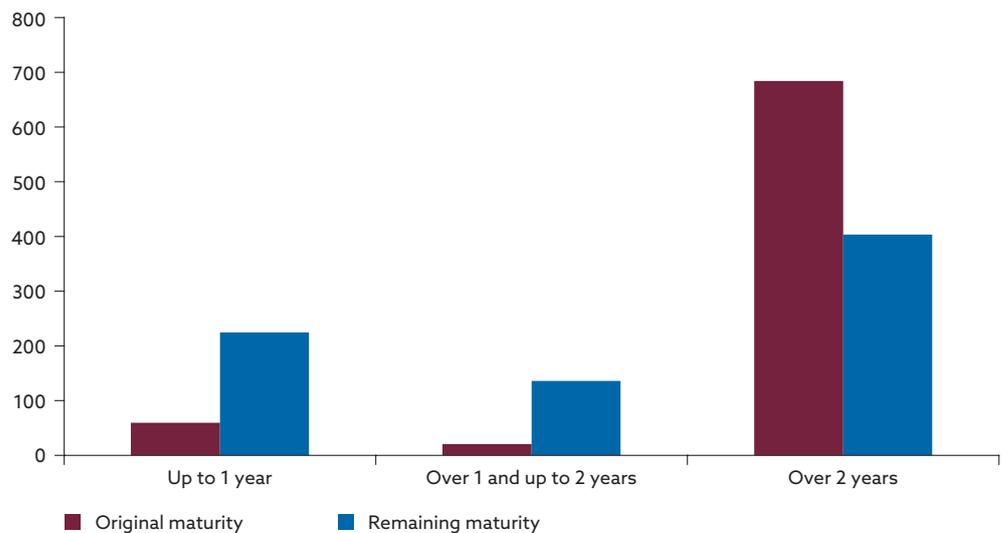


Source: NBS.

Note: SK = domestic issuers; EMU = issuers from other euro area member states; RoW = issuers from the rest of the world.

**Chart 71**

**Maturity breakdown of debt securities in the portfolio of bond funds as at 30 September 2022 (EUR millions)**



Source: NBS.

### 3.2.2 Equity funds

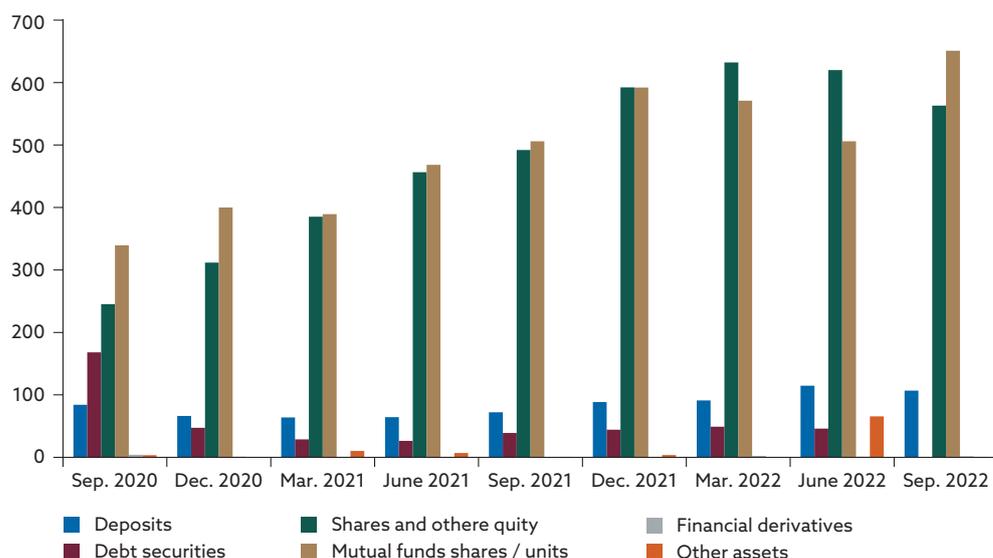
At the end of September 2022, the main asset types held by these funds were investment fund shares/units (49.07%), shares and other equity participations (42.45%) and bank deposits (8.06%). Other assets, including financial derivatives, made up 0.42% of these funds' total assets under management.

Equity funds' holdings of investment fund shares/units, broken down by issuer residency, remained broadly unchanged in the quarter under review. Investment fund shares/units issued by funds resident in Slovakia accounted for 4.99% of the total whereas 92.10% were issued by funds resident in other euro area countries and 2.91% were issued by funds resident elsewhere in the world.

The equities portfolio was dominated by the shares of non-financial corporations from the rest of the world (76.10%), followed by the shares of non-financial corporations from other euro area countries (9.32%). All other sectors had shares less than 5%.

**Chart 72**

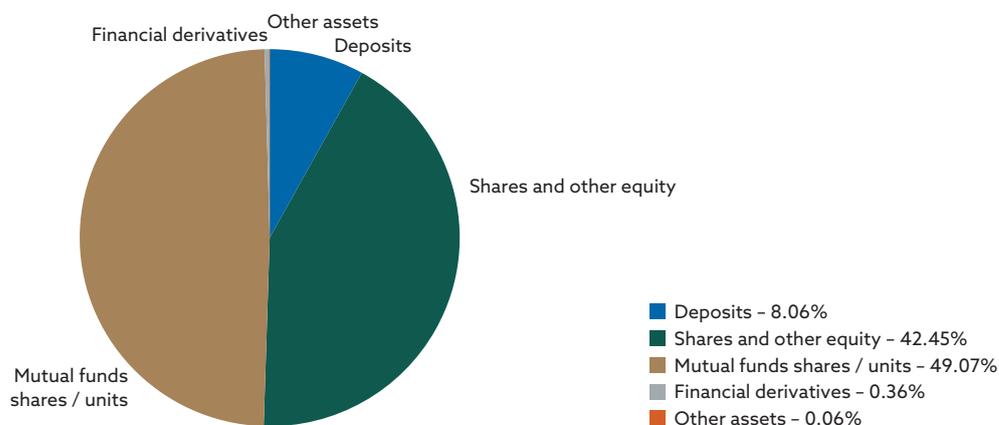
**Equity funds: evolution of assets (EUR millions)**



Source: NBS.

**Chart 73**

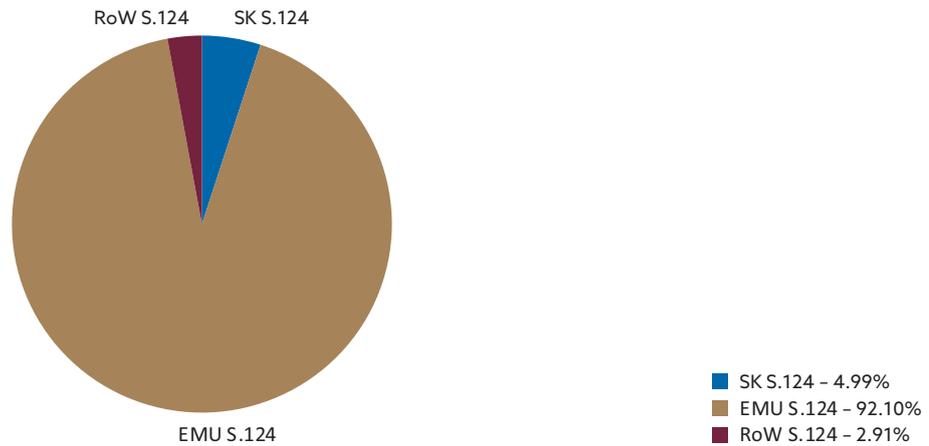
**Equity funds: structure of assets as at 30 September 2022**



Source: NBS.

**Chart 74**

**Geographical and sectoral breakdown of mutual funds shares / units in the portfolio of equity funds as at 30 September 2022**

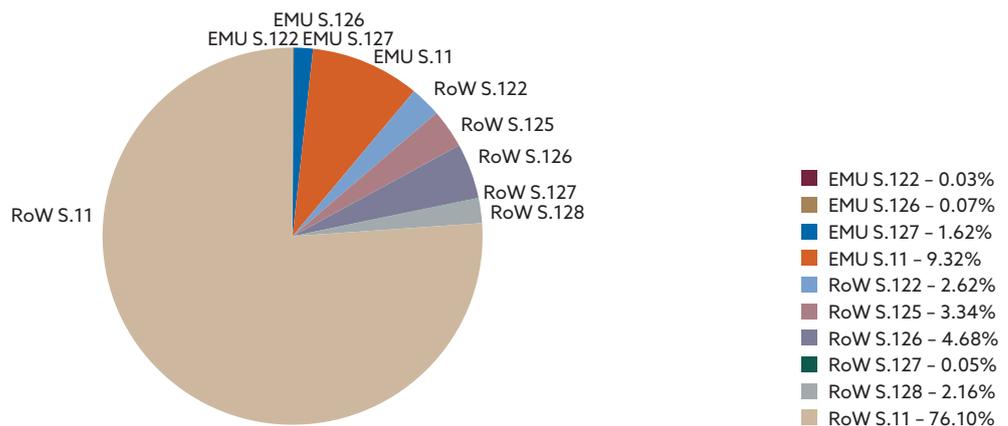


Source: NBS.

Note: SK = domestic issuers; EMU = issuers from other euro area member states; RoW = issuers from the rest of the world.

**Chart 75**

**Geographical and sectoral breakdown of shares and other equity in the portfolio of equity funds as at 30 September 2022**



Source: NBS.

Note: EMU = issuers from other euro area member states; RoW = issuers from the rest of the world.

### 3.2.3 Mixed funds

The main asset type in mixed funds has historically been investment fund shares/units. They accounted for 63.26% of mixed-fund assets at the end of September 2022. Other significant asset types for mixed funds during the review period were debt securities (24.18%) and bank deposits (9.34%). Equities made up 1.69% and other assets, including financial derivatives, 1.53%.

In terms of issuer residency, mixed funds' holdings of investment fund shares/units remained broadly unchanged in the quarter under review.

Most investment fund shares/units in the funds' portfolios (74.77%) were issued by euro area residents. They were followed by shares/units issued by domestic investment funds (22.95%). At the end of the third quarter of 2022, investment fund shares/units issued by residents in the rest of the world accounted for 2.28%.

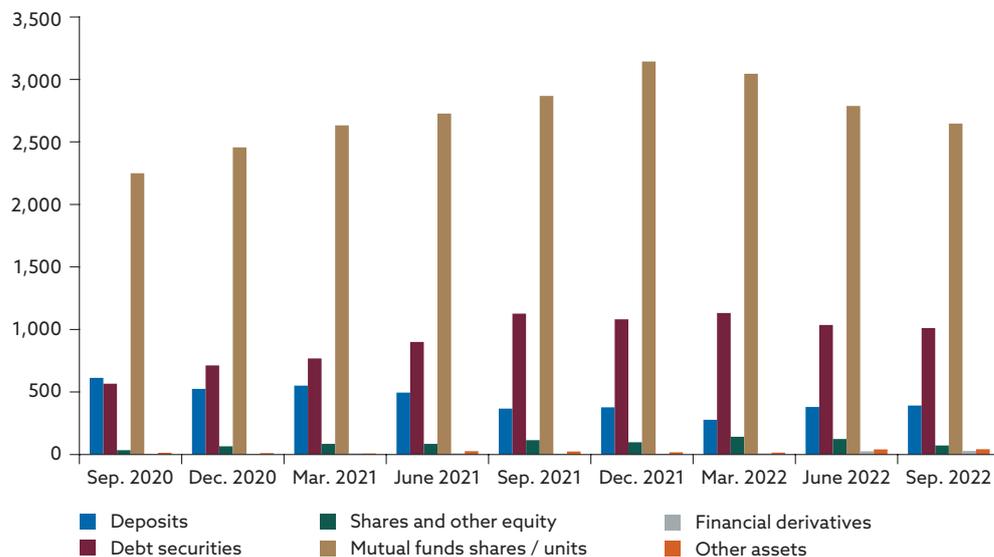
Mixed funds' securities holdings as of 30 September 2022 broke down in terms of issuer residency as follows: 46.76% were bonds issued by domestic issuers, 31.64% had issuers resident elsewhere in the world. Securities issued by residents of other euro area countries made up 21.60% of assets by value.

In terms of issuer sector, the general government sector accounted for the largest share (37.42%), followed by other financial intermediaries (26.75%), the banking sector (18.04%), non-financial corporations (17.72%). Other sectors accounted for 0.07%

In terms of residual maturity, mixed funds' securities holdings at the end of the third quarter of 2022 broke down as follows: 17.92% of the securities had a maturity of up to one year, 11.97% a maturity between one and two years, and 70.11% a maturity of over two years.

**Chart 76**

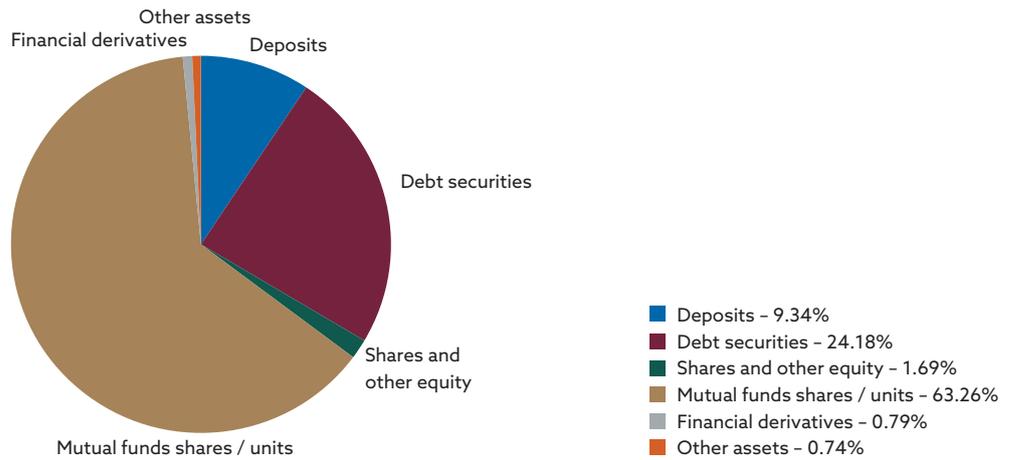
**Mixed funds: evolution of assets (EUR millions)**



Source: NBS.

Chart 77

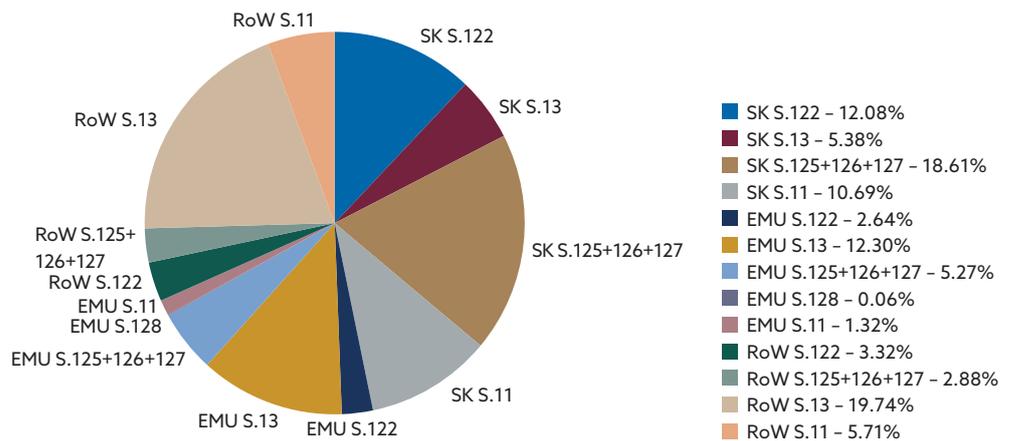
Mixed funds: structure of assets as at 30 September 2022



Source: NBS.

Chart 78

Geographical and sectoral breakdown of debt securities in the portfolio of mixed funds as at 30 September 2022

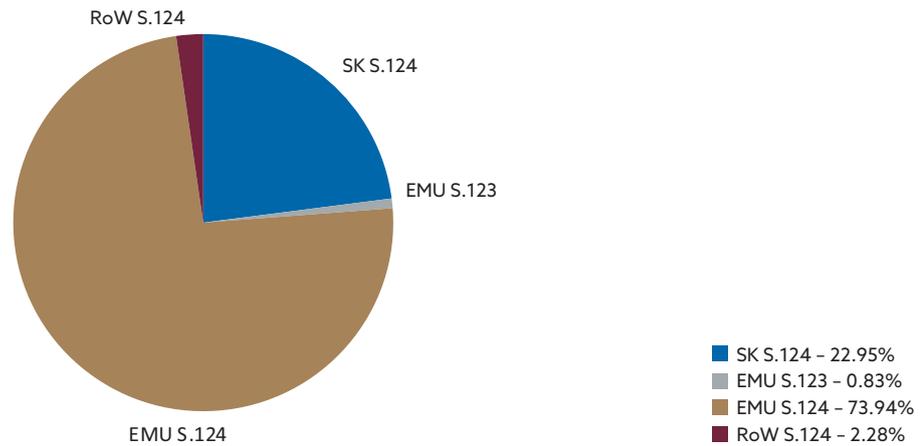


Source: NBS.

Note: SK = domestic issuers; EMU = issuers from other euro area member states; RoW = issuers from the rest of the world.

**Chart 79**

**Geographical and sectoral breakdown of mutual funds shares / units in the portfolio of mixed funds as at 30 September 2022**

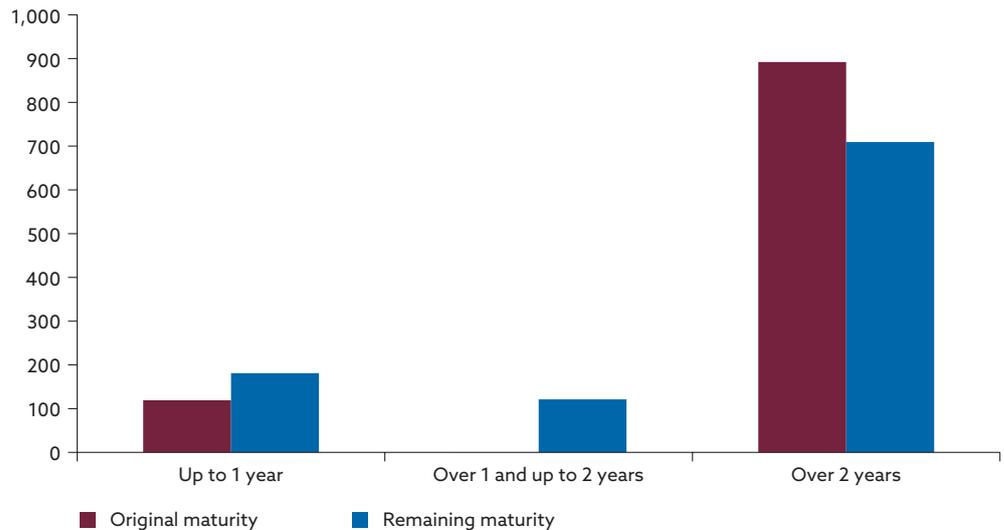


Source: NBS.

Note: SK = domestic issuers; EMU = issuers from other euro area member states; RoW = issuers from the rest of the world.

**Chart 80**

**Maturity breakdown of debt securities in the portfolio of bond funds as at 30 September 2022 (EUR millions)**



Source: NBS.

### 3.2.4 Real estate funds

Real estate funds have a strategy of investing primarily in the shares and other equity of real estate companies. They may also use their funds to provide loans to real estate companies in accordance with applicable legislation.

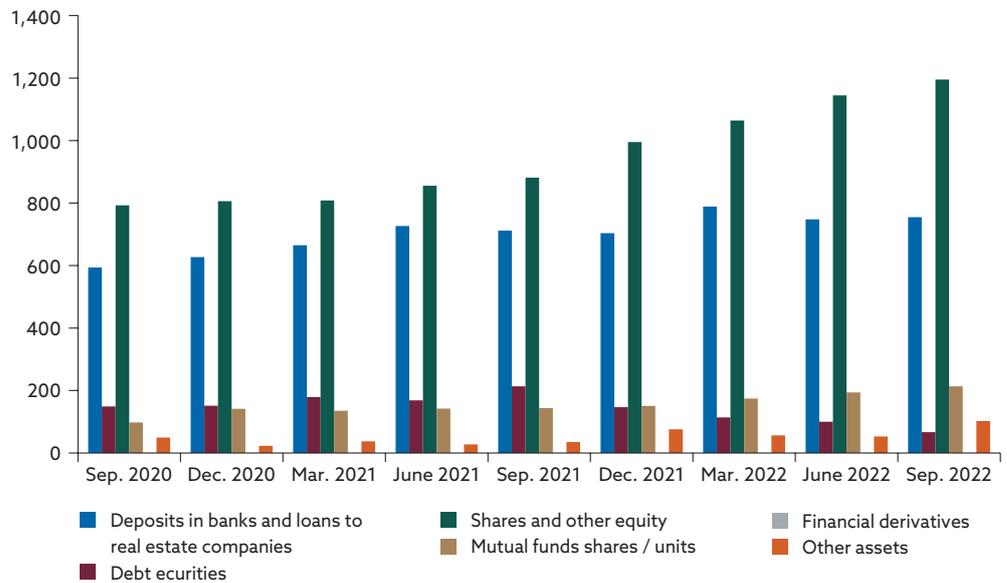
The balance sheet item bank deposits and loans to real estate companies accounted for 32.36% of these funds' assets under management at the end

of the third quarter of 2022. Shares and other equities made up 51.23%. During the quarter under review, real estate funds also had smaller investments in investment fund shares/units (9.15%), debt securities (2.86%) and other assets (4.40%).

In geographical and sectoral terms, most of the shares and other equity held by real estate funds were issued by domestic non-financial corporations (S.11), which account for 75.70% of this portfolio. They are followed by non-financial corporations residing elsewhere in the world (23.85%). Other sectors account for less than 1%.

**Chart 81**

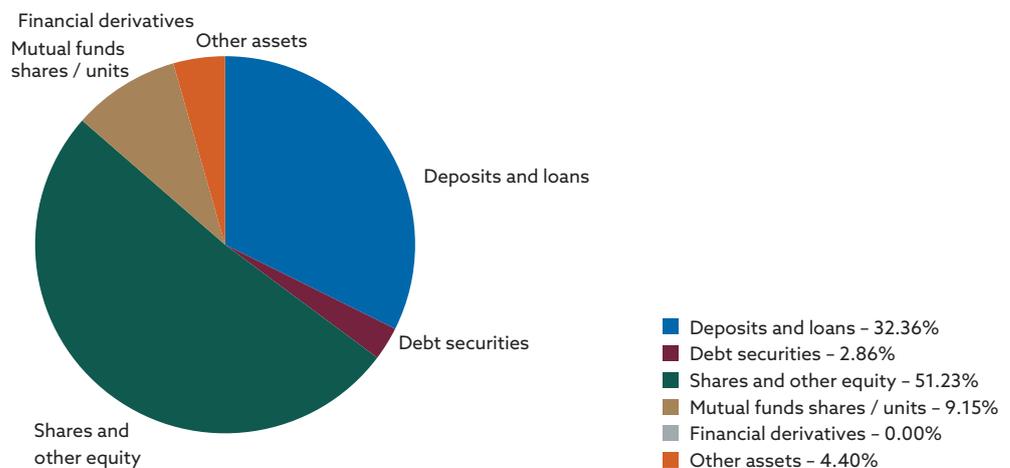
**Real estate funds: evolution of assets (EUR millions)**



Source: NBS.

**Chart 82**

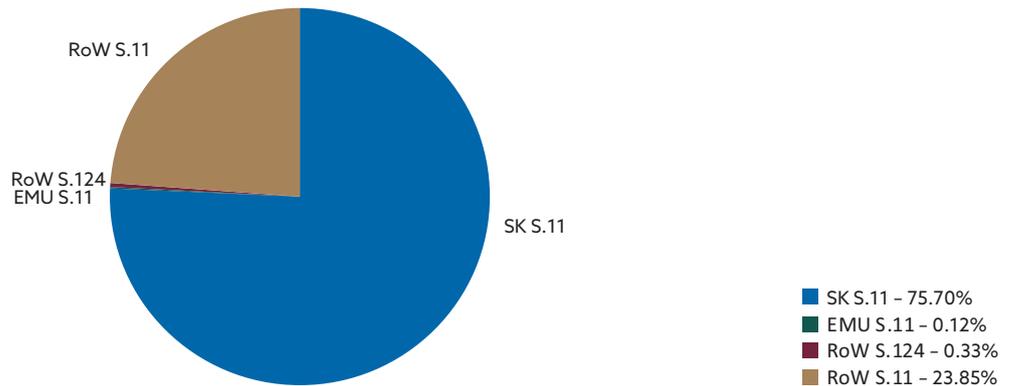
**Real estate funds: structure of assets as at 30 September 2022**



Source: NBS.

Chart 83

Geographical and sectoral breakdown of shares and other equity in the portfolio of real estate funds as at 30 September 2022



Source: NBS.

Note: SK = domestic issuers; EMU = issuers from other euro area member states; RoW = issuers from the rest of the world.

### 3.2.5 Other funds

Other investment funds comprise investment funds whose investment strategy does not allow them to be placed unambiguously in any of the preceding categories. They include alternative investment funds (e.g. commodity funds), special securities funds, special professional investor funds, and other specialised funds.

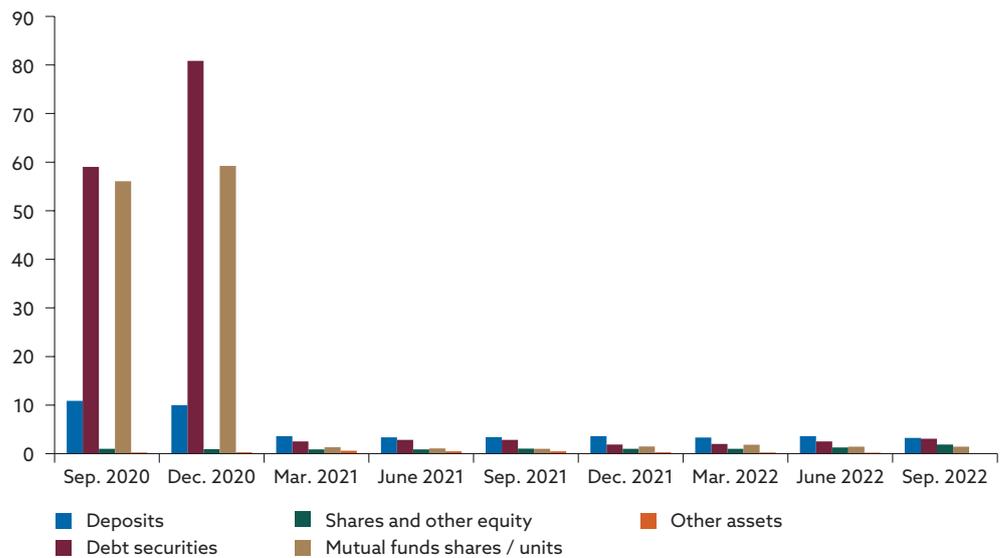
The assets of other funds managed by domestic asset management companies comprise mainly bank deposits, debt securities, and investment fund shares/units.

The assets of other funds as of 30 September 2022 comprised bank deposits and loans to real estate companies (33.35%), debt securities (31.64%), shares and other equity participations (19.42%), investment fund shares/units (14.95%), and other assets (0.64%).

In terms of issuer residency, other funds' holdings of debt securities in the third quarter of 2022 broke down as follows: 44.57% were securities issued in the rest of the world, 37.09% were domestic securities and 18.34% were securities issued in other euro area countries.

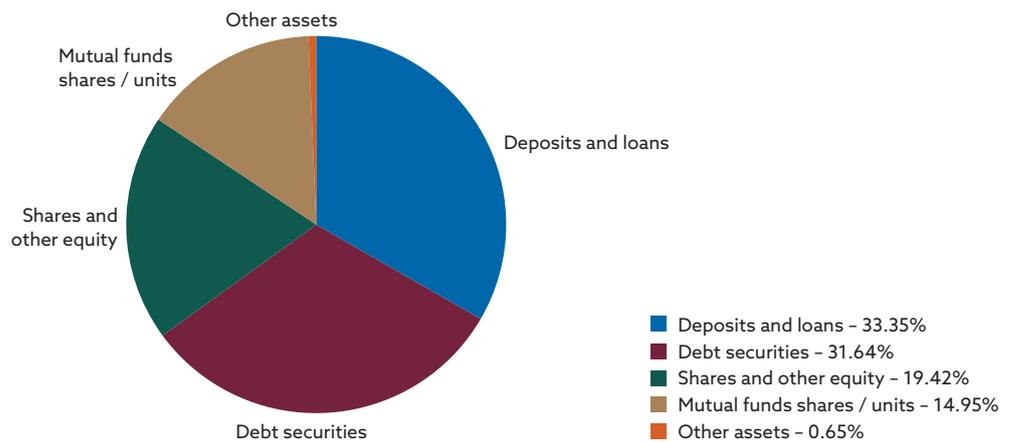
The securities in these funds' portfolios came mainly from other financial intermediaries (sectors S.125, S.126 and S.127), which made up 51.70%, followed by the general government sector (25.85%) and non-financial corporations (22.45%). In terms of residual maturity, other funds' securities holdings broke down as follows: 48.06% of the securities had a maturity of up to one year, 19.85% a maturity of over one year and up to two years, and 32.09% a maturity of over two years.

**Chart 84**  
Other funds: evolution of assets (EUR millions)



Source: NBS.

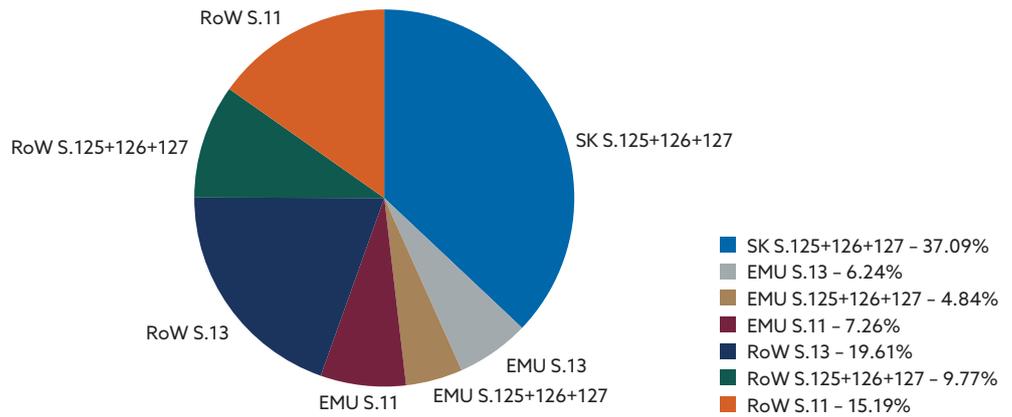
**Chart 85**  
Other funds: structure of assets as at 30 September 2022



Source: NBS.

**Chart 86**

**Geographical and sectoral breakdown of debt securities in the portfolio of other funds as at 30 September 2022**

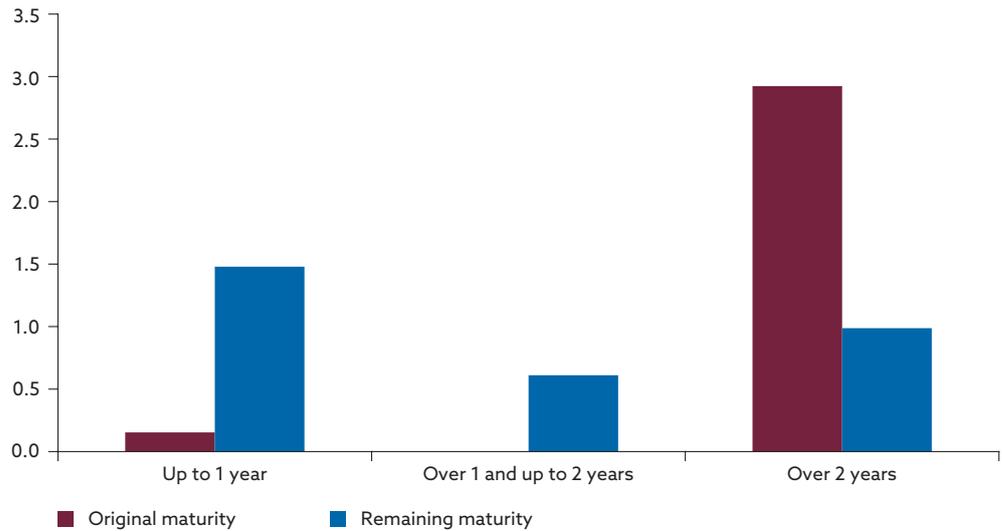


Source: NBS.

Note: SK = domestic issuers; EMU = issuers from other euro area member states; RoW = issuers from the rest of the world.

**Chart 87**

**Maturity breakdown of debt securities in portfolio of other funds as at 30 September 2022 (EUR millions)**



Source: NBS.

## 4 Leasing, factoring and consumer credit companies

Under the ESA 2010 sector classification, these companies are categorised in sector S.125 – Other financial intermediaries<sup>2</sup>, in the subdivision of financial corporations engaged in lending. The list of entities reporting balance sheet data to Národná banka Slovenska under the NBS Decree<sup>3</sup> was updated at the start of 2022.

The third quarter of 2022 saw favourable developments in the asset portfolios of factoring and other companies, as well as consumer credit companies. On the other hand, leasing companies recorded a YOY decline in their assets in this quarter.

As of 30 September 2022, the aggregate assets of factoring and other companies were 10.64% larger than at the same point in the previous year. In the third quarter of 2022, the aggregate assets of consumer credit companies increased by 8.28% whereas the value of assets of leasing companies declined by 13.31% compared to the same period of 2021, mainly due to the closure of VÚB Leasing, a.s.

**Table 9 Total assets of financial corporations engaged in lending (year-on-year percentage changes)**

Total assets	Year-on-year change in %								
	IX.20	XII.20	III.21	VI.21	IX.21	XII.21	III.22	VI.22	IX.22
Factoring and other companies	8.55	9.38	11.84	12.86	13.72	14.95	20.06	13.70	10.64
Consumer credit	10.79	-8.54	-13.14	-24.47	-33.50	-30.46	-24.52	-20.30	8.28
Financial leasing	-1.28	-2.73	-2.02	-1.10	1.18	1.42	-14.19	-12.89	-13.31

Source: NBS.

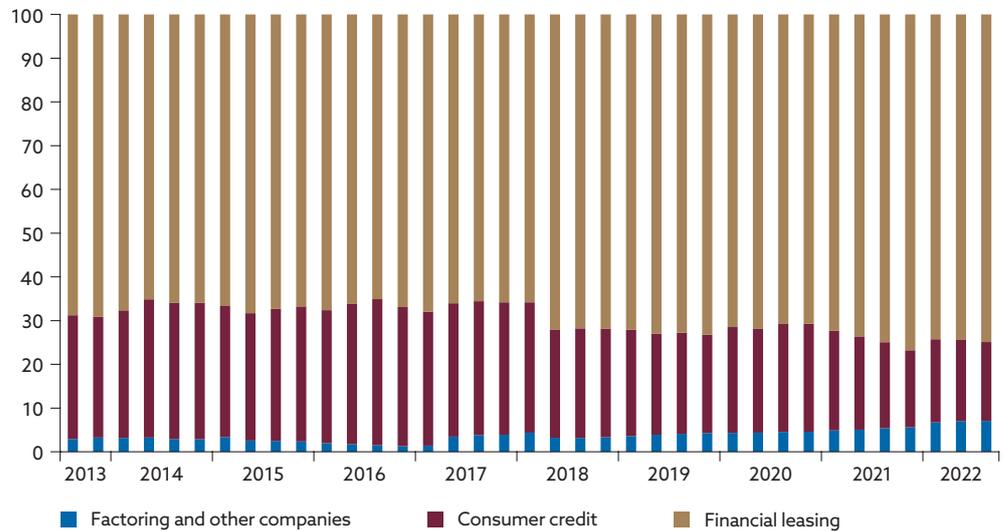
<sup>2</sup> The European System of National Accounts (ESA 2010) defines “other financial intermediaries, except insurance corporations and pension funds” as all financial corporations and quasi-corporations which are principally engaged in financial intermediation by incurring liabilities in forms other than currency, deposits and/or close replacements of deposits from institutional units other than monetary financial institutions, or insurance technical reserves.

<sup>3</sup> NBS Decree No 19/2014 on reporting for statistical purposes by factoring companies, consumer credit companies and leasing companies (notification No 248/2014).

Leasing companies have long been market leaders in non-bank lending. In the third quarter of 2022, they accounted for 72% of all assets in this market. They were followed by consumer credit companies, and factoring and other companies, with market shares of 21% and 7% respectively.

**Chart 88**

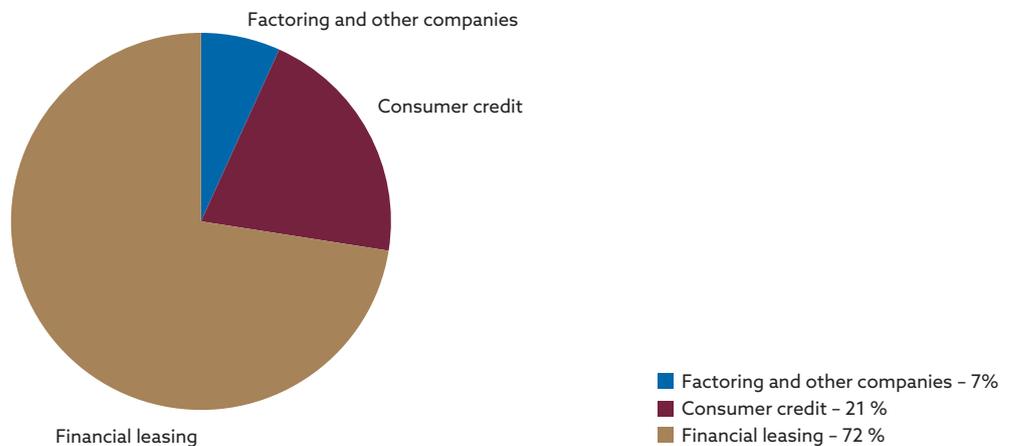
**Evolution of total assets by type of business (EUR millions)**



Source: NBS.

**Chart 89**

**Total assets of financial corporations engaged in lending broken down by type of company as at 30 September 2022**



Source: NBS.

The geographical breakdown of credits and loans provided by companies engaged in non-bank lending shows that such credits and loans are taken out predominantly by domestic customers.

The customer base for financial leasing is nearly 100% domestic (99.97%). Most clients are non-financial corporations (87.97%), with households

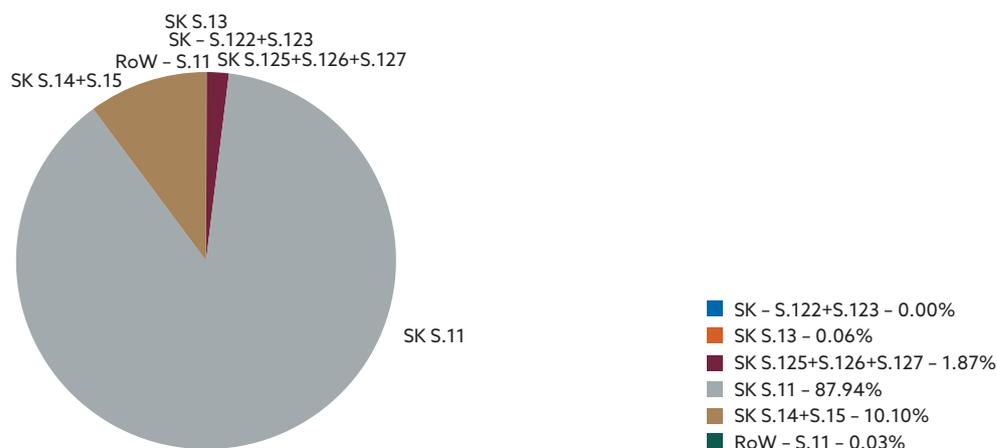
in second place (10.10%). The total shares of other sectors amount to 1.93%.

Domestic clients made up 54.68% of the customer base of consumer credit companies as of 30 September 2022. Clients from other euro area countries accounted for 44.50% and the rest of the world 0.82%. Since the purchase of consumer goods through instalment credit is traditionally a significant form of household financing in Slovakia, households continued to make up the majority of domestic customers (87.12%) in the period under review. They were followed by non-financial corporations with a share of 11.23% and other financial intermediaries with a share of 1.65%.

At the end of the third quarter of 2022, domestic customers constituted 98.67% of factoring and other companies' total customers. Customers from the rest of the world made up 1.33%. The customers of factoring and other companies in Slovakia were dominated by households with a share of 70.79%. The remainder were non-financial corporations (29.21%).

#### Chart 90

#### Geographical and sectoral breakdown of lending by financial leasing companies as at 30 September 2022

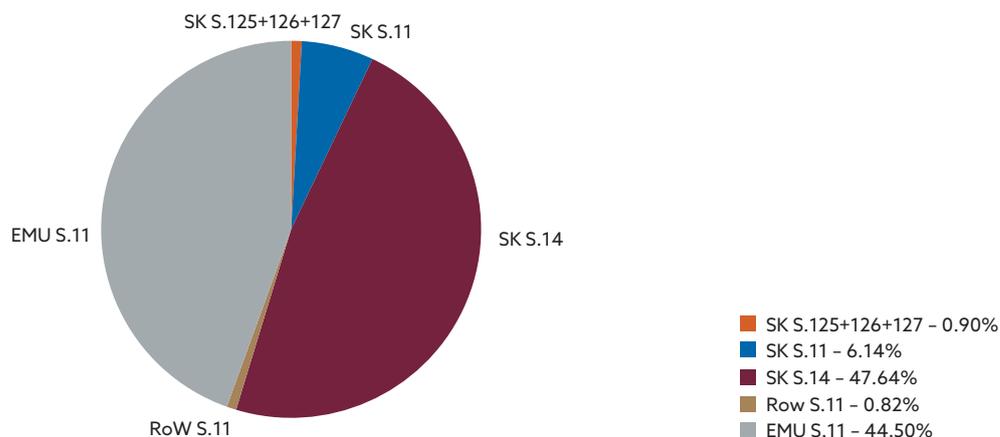


**Source:** NBS.

**Note:** SK = domestic borrowers; EMU = borrowers from other euro area member states; RoW = borrowers from the rest of the world.

**Chart 91**

**Geographical and sectoral breakdown of lending by consumer credit companies as at 30 September 2022**

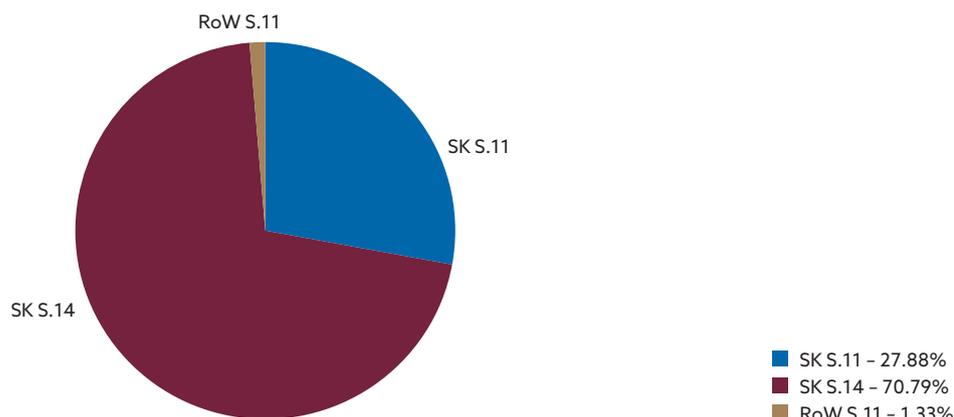


**Source:** NBS.

**Note:** SK = domestic borrowers; EMU = borrowers from other euro area member states

**Chart 92**

**Geographical and sectoral breakdown of lending by factoring and other companies as at 30 September 2022**



**Source:** NBS.

**Note:** SK = domestic borrowers; EMU = borrowers from other euro area member states; RoW = borrowers from the rest of the world.

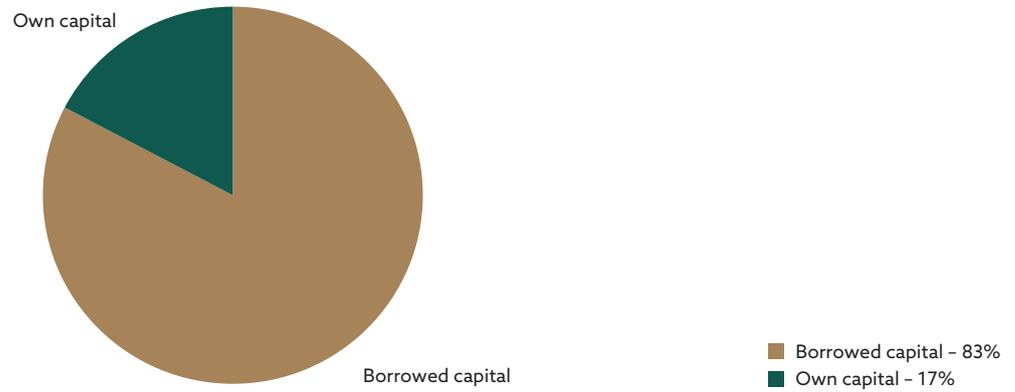
Regarding the flow of funds across the individual economic sectors, an interesting aspect is the sources of the funds that the companies under analysis use to provide credits and loans through non-bank lending channels.

The main source of financing was external (borrowed) capital, which made up 83.39% of the total financial resources. External capital was obtained mostly in the form of bank loans, which accounted for a 77.58% share at the end of September 2022. The rest was obtained in the form of proceeds from issues of debt securities (7.37%) and credits and loans from companies belonging to the same group (15.06%). The main components of own

funds were share capital, retained earnings from previous periods, shares and other equity participations.

**Chart 93**

**Breakdown of source capital as at 30 September 2022**



Source: NBS.

# 5 Securities

## 5.1 Debt securities

Government bonds make up the vast majority of debt securities. The total stock at the end of September 2022 was €52,923.3 million. The total value of bonds issued by banks was €9,209.9 million at that end of the third quarter. Debt securities issued by non-financial corporations were the third largest group by sector with a volume of €4,054.2 million and the last was other financial institutions with a volume of €2,871.5 million.

There was a significant increase in net issuance of debt securities in the period under review amounting to approximately €213.9 million quarter on quarter, meaning that the amount of newly issued securities was larger than the amount redeemed. Net securities issuance in the government sector grew by €424.6 million in the quarter. There was also a net increase in the securities of other financial institutions amounting to €14.7 million. On the other hand, there was a net decrease in bank bonds, whose volume declined by €194.5 million. There was also a €30.9 million decrease in the volume of bonds issued by non-financial corporations (NFCs).

**Table 10 Debt securities (in thousands of EUR)**

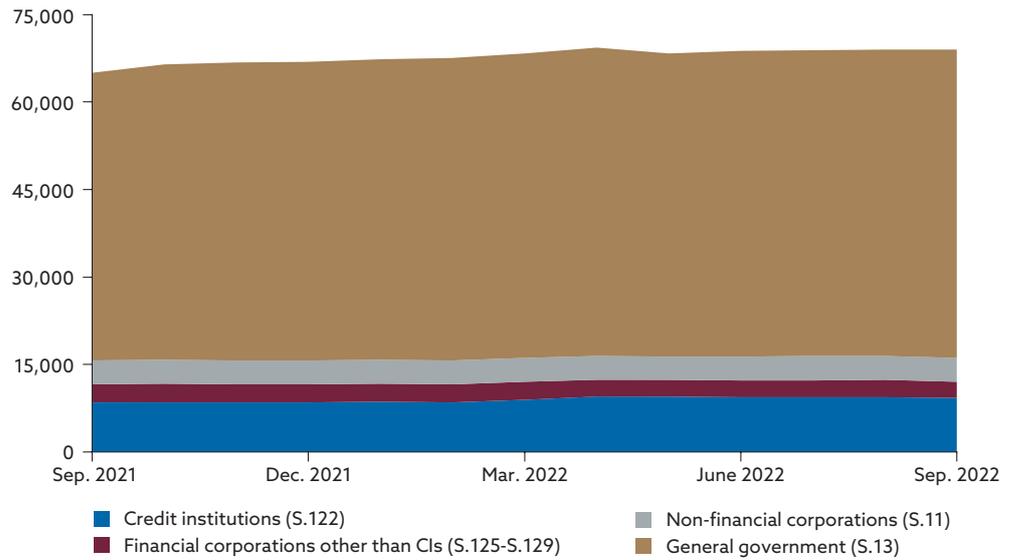
Month	Outstanding amounts					Net issues				
	Total	Monetary financial institutions	Non-monetary financial institutions	Nonfinancial corporations	General government	Total	Monetary financial institutions	Non-monetary financial institutions	Nonfinancial corporations	General government
2021 / 09	64,994,410	8,492,860	3,054,961	4,093,432	49,353,157	639,137	361,073	-37,796	-10,940	326,800
2021 / 12	66,878,714	8,534,895	3,087,699	4,109,306	51,146,814	1,783,455	40,909	-1,673	12,119	1,732,100
2022 / 03	68,400,115	8,948,180	3,103,630	4,084,999	52,263,306	684,285	-5,749	-3,605	-15,961	709,600
2022 / 06	68,825,793	9,399,910	2,845,603	4,081,567	52,498,713	361,832	450,557	-267,811	-5,144	184,230
2022 / 09	69,058,365	9,209,313	2,871,501	4,054,210	52,923,341	213,906	-194,512	14,732	-30,914	424,600

Source: NBS.

The stock of debt securities grew in the third quarter of 2022 by 0.34%.

**Chart 94**

**Debt securities by sector (outstanding amounts, EUR millions)**

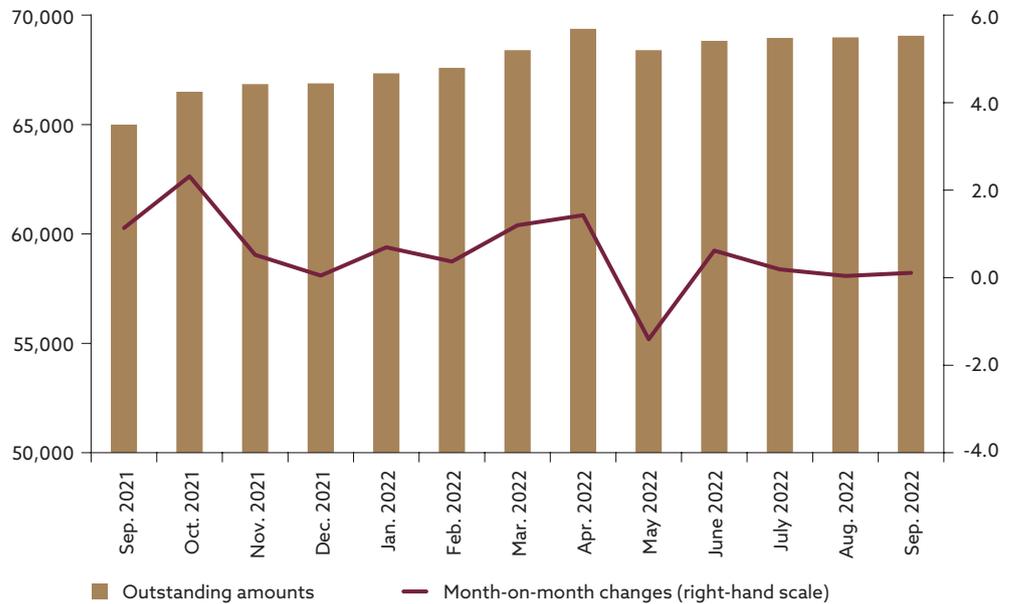


Source: NBS.

The stock of debt securities issues increased month on month throughout the third quarter of 2022: in July by 0.19%, in August by 0.04% and in September by 0.11%.

**Chart 95**

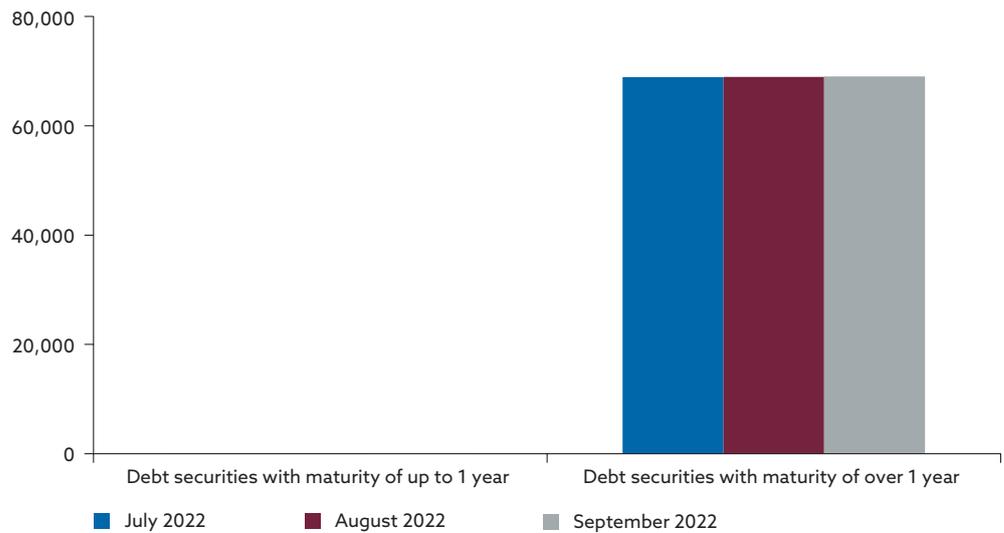
**Debt securities (outstanding amounts, month-on-month changes)**



Source: NBS.

**Chart 96**

**Debt securities (outstanding amounts, EUR millions, Q3 2022)**



**Source:** NBS.

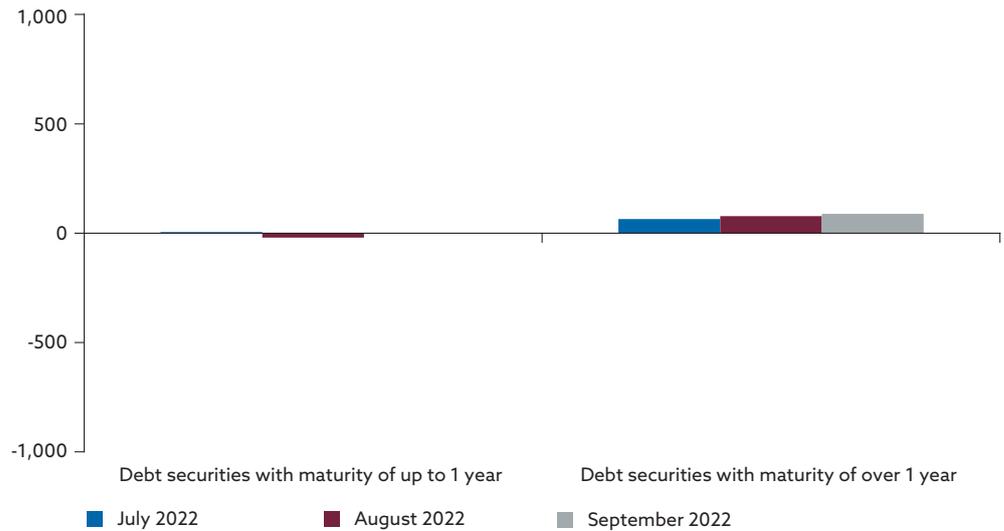
In the third quarter of 2022, there were 24 new issues of debt securities on the securities market, 14 of which were issued by captive financial institutions. Other issues were 5 issues by NFCs, 3 issues by banks and 1 issue each by financial auxiliaries and other financial intermediaries.

There was a net decline in the issuance of short-term debt securities in the third quarter by €17.5 million. This was due mainly to a fall in the captive financial institutions sector amounting to €14.9 million. There was also a €2.6 million decrease in issues from the NFC sector

The total issue volume of long-term debt securities grew in net terms by €231.4 million during the review period. The most significant increases were recorded in government bonds (€424.6 million), followed by bonds issued by captive financial institutions (€33.4 million) and bonds issued by financial auxiliaries (€1.8 million). By contrast, decreases were recorded in long-term debt securities issued by banks (€194.5 million), NFCs (€28.3 million) and other financial institutions (€5.0 million).

Chart 97

Debt securities (net issues, EUR millions, Q3 2022)

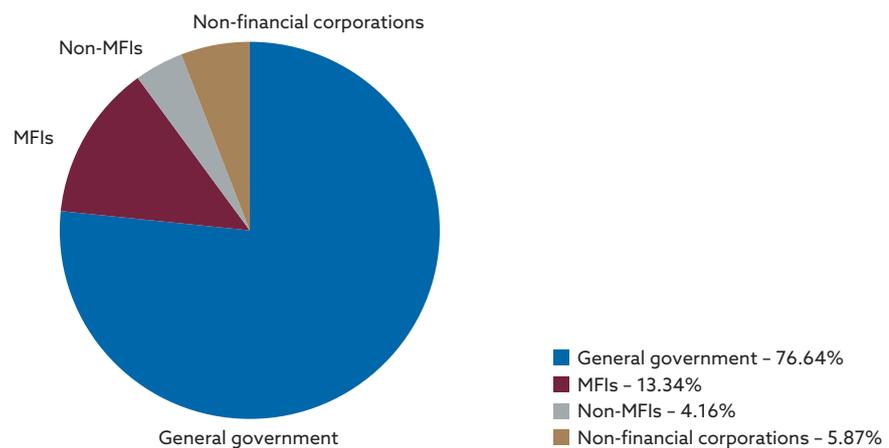


Source: NBS.

In sectoral terms, the general government sector accounted for the majority of outstanding issues (76.6%). The shares of other sectors as of 30 September 2022 were of an order of magnitude lower: monetary financial institutions (13.3%), non-financial corporations (5.9%) and non-monetary financial institutions (4.2%). In terms of their coupon type, most were fixed-coupon securities (91.0%), followed by zero-coupon securities (6.7%), and variable-coupon securities (2.3%). Euro-denominated issues accounted for 99% of the volume of debt securities, leaving foreign currencies to make up just 1%.

Chart 98

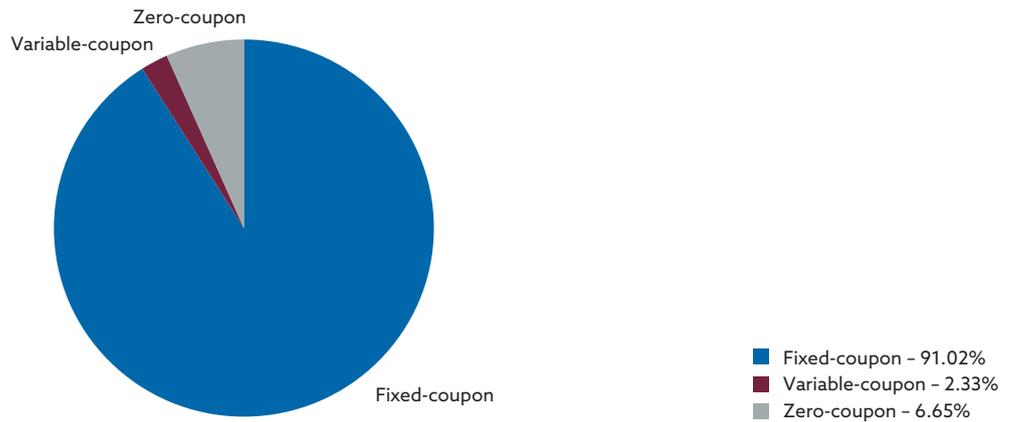
Debt securities by sector



Source: NBS.

Note: The individual items are classified according to the outstanding amounts of issues as at 30 September 2022.

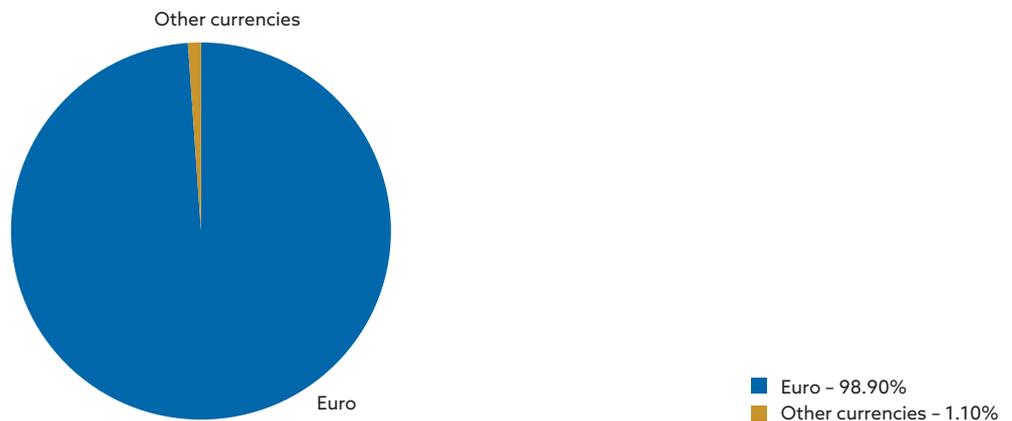
**Chart 99**  
**Debt securities by coupon type**



Source: NBS.

Note: The individual items are classified according to the outstanding amounts of issues as at 30 September 2022.

**Chart 100**  
**Debt securities by currency**



Source: NBS.

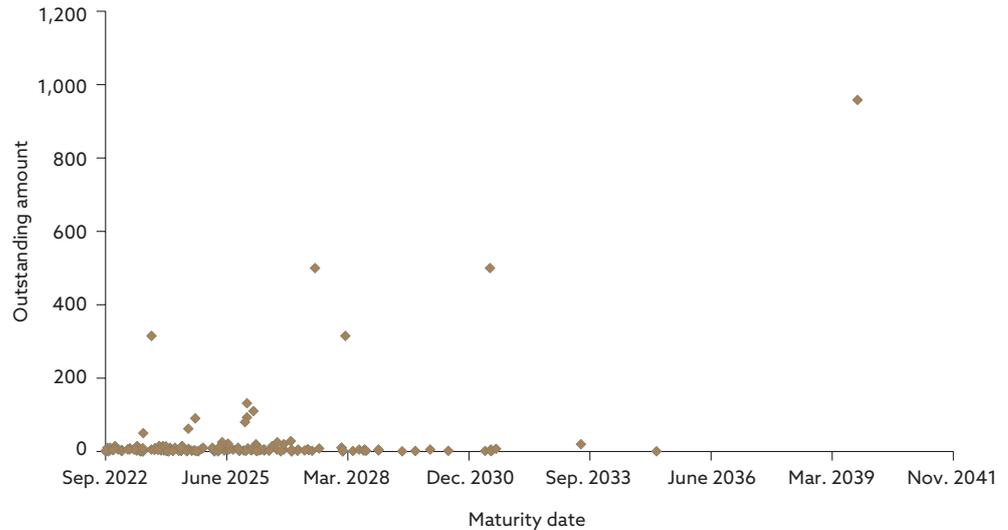
Note: The individual items are classified according to the outstanding amounts of issues as at 30 September 2022.

The following charts illustrate the outstanding amounts of issues in the three key sectors (the government sector, the banking sector, and the non-financial corporations sector) as a function of the issue amount and maturity.

The most numerous debt securities placed on the domestic market by non-financial corporations are those with an outstanding amount of up to €10 million and maturity until 2026. The largest outstanding issue amount is more than €1 billion and the longest maturity period exceeds 18 years.

**Chart 101**

**Debt securities: outstanding amounts of domestic issues in S.11 sector (EUR millions)**

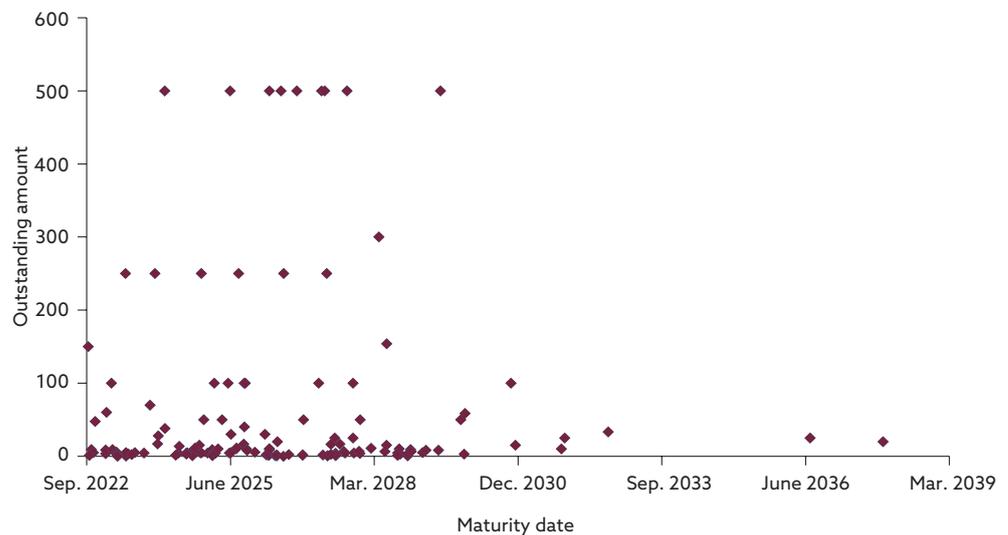


Source: NBS.

The largest concentration of outstanding amounts of debt securities issued by banks is up to €50 million and with maturity period until June 2026. The largest outstanding amount fluctuates around €500 million and the longest maturity period is until 2037.

**Chart 102**

**Debt securities: outstanding amounts of issues in S.122 Sector (EUR millions)**



Source: NBS.

Note: Analysis does not take into consideration perpetual bonds, to avoid their effect as its maturity date can be extended until 2099.

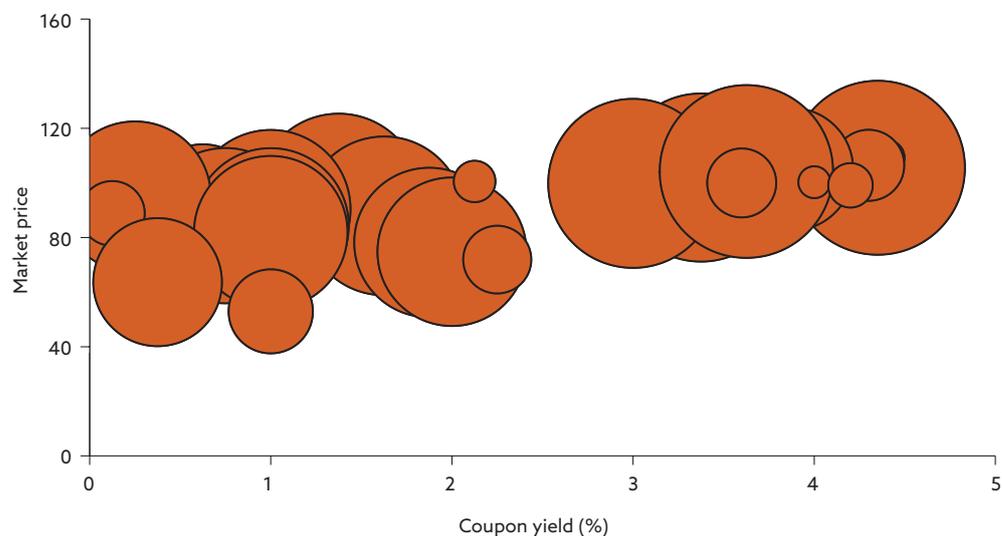
The number of debt securities issued in the government sector is lower than the number of securities issued in the aforementioned two sectors, but the outstanding amount is much higher in the former case. The issue



The following chart illustrates the outstanding amounts of coupon-paying government bonds as a function of their market price and coupon yield as at the end of the third quarter of 2022. The average market price<sup>4</sup> of these government bonds stood at 96.3% and the coupon yield was 2.1% at that time.

**Chart 105**

**Government bonds: outstanding amounts (coupon bonds only)**



**Source:** NBS, CSDB, issue prospectus.

**Note:** The bubble in this chart is directly proportional in size to the outstanding amounts of the individual issues, while the centre of the bubble is given by the intersection of the market price (Source: ECB Centralised Securities Database) and the coupon yield (Source: Issue conditions).

## 5.2 Listed shares

At the end of September 2022, the total stock of listed shares issued in Slovakia was €105.6 million greater than at the end of the previous quarter. This was due mainly to growth in the stock of listed shares issued by banks, which increased by around €133.3 million. In contrast, the stock issued by non-financial corporations declined by around €27.8 million. The total market capitalisation thus amounted to €1,992.1 million at the end of the third quarter of 2022.

<sup>4</sup> Arithmetical average weighted by the outstanding amount of issues.

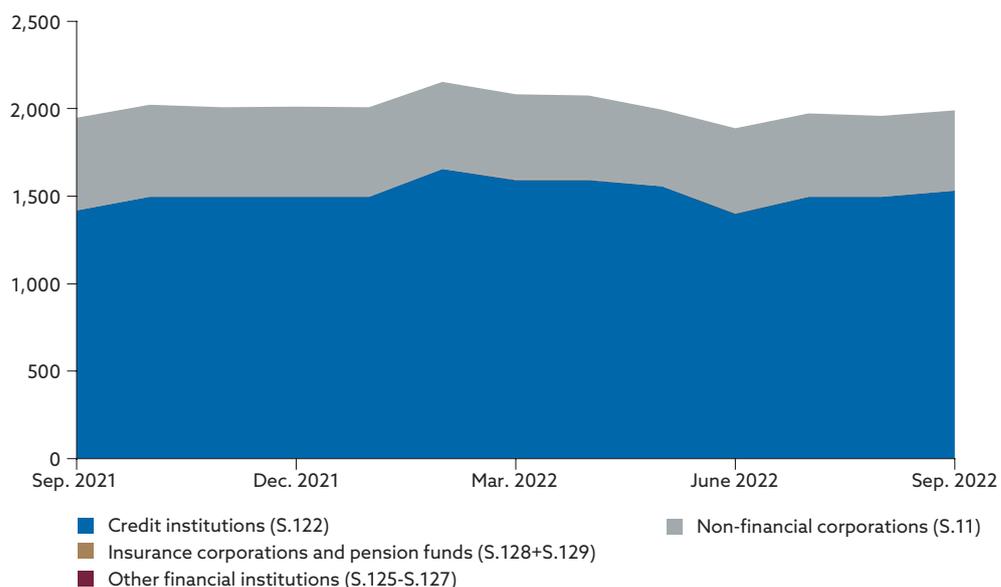
**Table 11 Quoted shares (in thousands of EUR)**

Outstanding amounts				
Month	Total	Credit institutions (S.122)	Insurance corporations (S.128)	Non-financial corporations (S.11)
2021 / 09	1,949,707	1,417,711	0	531,996
2021 / 12	2,012,964	1,496,505	0	516,458
2022 / 03	2,081,479	1,593,483	0	487,996
2022 / 06	1,886,519	1,399,528	0	486,991
2022 / 09	1,992,104	1,532,872	0	459,233

Source: NBS.

### Chart 106

**Quoted shares: market capitalization by sector (EUR millions)**



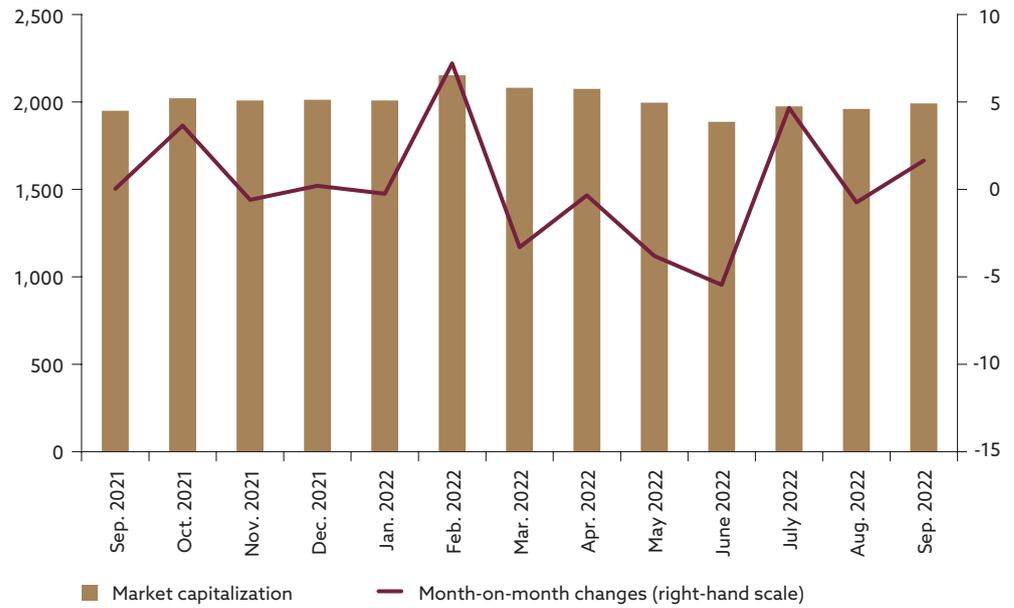
Source: NBS.

The stock of listed shares increased in the quarter under review by 5.6%, compared with the previous quarter. Bank shares grew by 9.5% whereas NFC shares fell by 5.7%.

The third quarter of 2022 saw increases in the stock of listed shares in July (4.7%) and September (1.6%), but a fall of 0.7% in August.

**Chart 107**

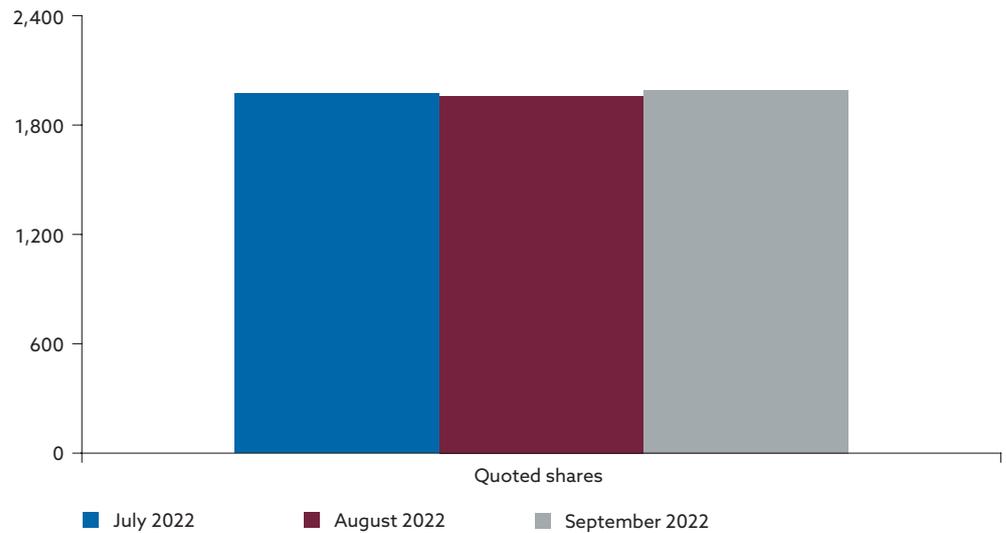
**Quoted shares (market capitalization, month-on-month changes)**



Source: NBS.

**Chart 108**

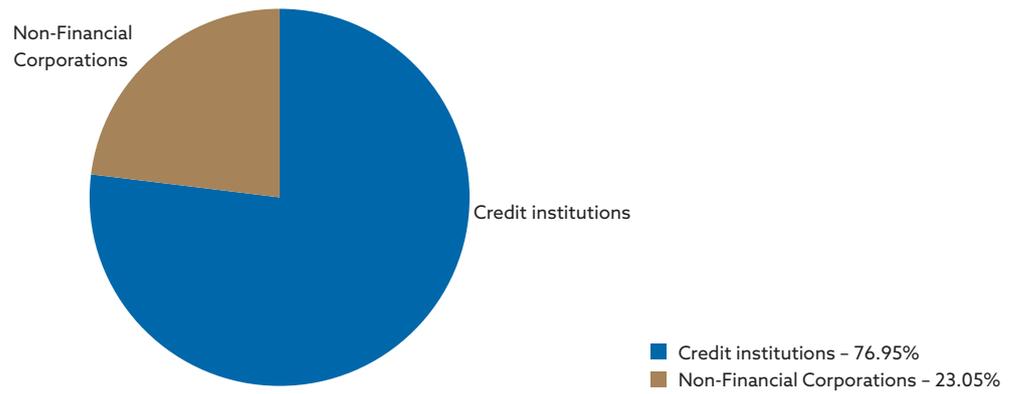
**Quoted shares (market capitalization, EUR millions, Q3 2022)**



Source: NBS.

The largest sector in terms of market capitalisation is the bank sector, which accounts for 77% of total market capitalisation. Non-financial corporations make up the remaining 23%.

**Chart 109**  
**Quoted shares by sector**



Source: NBS.

Note: Market capitalization as at 30 September 2022.

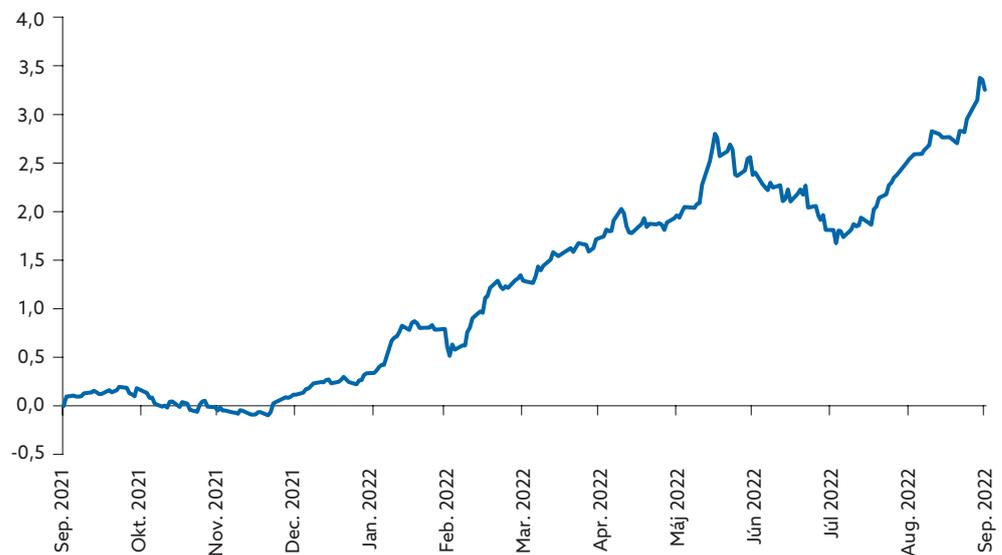
# 6 Selected macroeconomic indicators

## 6.1 Long-term interest rate

With effect from 1 July 2013, the approach based on a 'basket of bonds' has been replaced with a 'benchmark-oriented approach'<sup>5</sup>, using a government bond as a benchmark. Since that time the following government bonds have been used: government bond SK4120009044 (with effect from 1 July 2013), government bond SK4120008871 (with effect from 1 May 2014), government bond SK4120007543 (with effect from 1 June 2015), government bond SK4120010430 (with effect from 1 June 2016), government bond SK4120009762 (with effect from 1 June 2018), government bond SK4120015173 (with effect from 1 November 2019), government bond SK4000017059 (with effect from 1 January 2021) and government bond SK4000017166 (with effect from 1 October 2021). During the quarter under review, the average interest rate rose by 0.88 percentage point, from 2.38% as of 30 June 2022 to 3.25% as of 30 September 2022.

**Chart 110**

**Benchmark – yield to maturity (p.a.)**



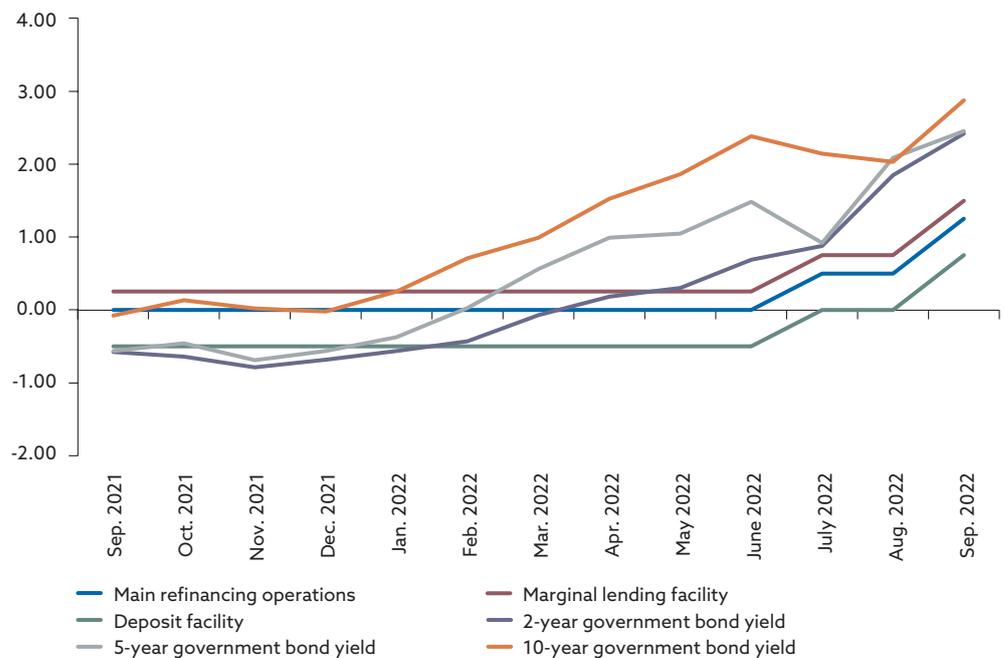
Source: BCPB.

<sup>5</sup> See Methodological notes in section 7.6. Long-term interest rate

## 6.2 Key ECB interest rates

During the third quarter, the interest rate on the ECB's main refinancing operations was raised from zero for the first time since 16 March 2016. It was raised by 1.25 percentage point and stood at 1.25% on 30 September 2022. The interest rate on the marginal lending facility was also raised by 1.25 percentage point and it was 1.5% at the end of September 2022. The same 1.25 percentage point rise was applied to the deposit facility rate, taking it to 0.75% as of 30 September 2022. Yields on Slovak government bonds also increased significantly. The yield on a two-year government bond was 2.42% (1.73 percentage point higher than in the previous quarter) and the yield on five-year government bonds was 2.45% (0.97 percentage point higher than in the previous quarter). The average ten-year government bond yield rose, quarter on quarter, by 0.49 percentage point to 2.87% at the end of September 2022.

**Chart 111**  
Interest rates (% p.a.)



Source: ECB, BCPB.

# 7 Methodological notes

## 7.1 Balance-sheet statistics of monetary financial institutions

**Credit institutions in Slovakia:** banks and branches of foreign banks operating in Slovakia, (except Národná banka Slovenska).

**Household sector** – this sector includes:

**a/ Households (S.14):** a sub-sector comprising households (sole proprietors) and the population (citizens). Households (sole proprietors) are private entrepreneurs not registered in the Commercial Register, doing business under the Trade Licensing Act, and natural persons doing business under a law other than the Trade Licensing Act and not registered in the Commercial Register, and private farmers not registered in the Commercial Register. The population includes households in their capacity as final consumers (citizens' accounts).

**b/ Non-profit institutions serving households (S.15):** a sub-sector comprising civic interest associations (unions, societies, movements, trade unions, etc.) and their organisational units, political parties and movements, their organisational units, church and religious societies, and institutions ensuring the proper conduct of certain professions (professional organisations). This sub-sector also includes the following institutions: funds; apartment owners' associations; land, forest and pasture associations; organisations providing publicly beneficial services; humanitarian societies; social, cultural, recreational and sports associations and clubs; charities; church and private schools; private preschool facilities; non-public special-purpose funds (e.g. the anti-drug fund); interest associations of legal entities.

**Monetary financial institutions (MFI):** financial institutions which together form the money-issuing/creating sector of the euro area. These include resident central banks, credit institutions and other resident financial institutions whose business is to receive deposits and/or other redeemable instruments from entities other than MFIs and, for their own account (at least in economic terms), to grant credit and/or invest in securities. The latter group consists predominantly of money market funds, i.e. funds investing in short-term and low-risk instruments, which usually have a maturity of up to and including one year.

**Non-financial corporations (S.11):** business entities that are registered in the Commercial Register, i.e. domestic or foreign corporate entities, do-

mestic natural persons registered in the Commercial Register and engaged in profit-oriented activities in any area of business, except in financial intermediation and insurance. The non-financial sector also includes subsidised organisations, public institutions and non-profit institutions whose expenses are covered with sales by 50 percent or more.

**Non-performing loans:** defaulted loans that are subject to the provisions of Section 73 of NBS Decree No. 4/2007 of 13 March 2007 (as amended) on banks' own funds and own funds requirements and on investment firms' own funds and own funds requirements.

A specific borrower is considered to be in default if

a) the bank assesses that the borrower will probably fail to meet its commitments to the bank, its subsidiary or parent company, without the security being realised;

or

b) the borrower is more than 90 days in arrears with a significant commitment to the bank, its subsidiary or parent company.

**Principle of residency:** the principle that a counterparty's country of residence is the country in which the counterparty has a centre of economic interest. This means that an economic agent is considered to be resident in the country where the agent operates for one or more years, or intends to operate on a permanent basis, or where the agent has already been registered.

**Remaining assets:** a residual item on the asset side of the balance sheet. In addition to fixed assets and financial derivatives with a positive fair value, this item includes, for example, accrued revenues, including accrued interest received; profit share to be received; prepaid expenses; prepaid insurance premiums; outstanding insurance claims; claims of credit institutions not related to their main business; other cash items and cash in transit, transit items, suspense items, collection claims, advance payments and other asset items not elsewhere classified.

**Remaining liabilities:** a residual item on the liability side of the balance sheet. This item includes, for example, financial derivatives with a negative fair value; accrued expenses, including accrued interest payable on deposits and loans received, and on securities; profit share to be paid; deferred revenues; liabilities of credit institutions not related to their main business; provisions representing liabilities towards third parties; transit items; suspense items; funds waiting for settlement; subsidies; net equity of households in pension fund reserves, liabilities arising from collection, prepayments received and other liability items not elsewhere classified.

## 7.2 Interest rate statistics of monetary financial institutions

Harmonised MFI interest rate statistics are compiled from data obtained from credit institutions on deposits received from, and loans provided to, non-financial corporations and households, which are both Slovak and euro area residents. The term *households* refers to the population, including households, sole proprietors and non-profit institutions serving households. The term *new loans* or *new deposits* covers all new deposits received or loans granted during the respective reference month.

The term *outstanding amount* of loans or deposits means balances at the end of the respective reference period. Interest rates applied by credit institutions on loans or deposits are calculated as weighted arithmetic averages of the rates agreed on an annual basis.

In the case of loans provided to households *for house purchase* and *loans for consumption*, the *annual percentage rate of charge* is also reported to express the borrower's total credit-related costs. The borrower's total costs comprise the element of interest rate and the element of other credit-related costs. The collection of the annual percentage rates of charge for statistical purposes allows developments in credit-related charges to be monitored over time.

*Secured loans* represent a new category, which is required for the compilation of interest rate statistics as from 2010. These are the loans secured by any type of collateral or a personal guarantee, the value of which is higher than, or equal to, the new loan's total volume. A partially secured loan is to be classified as unsecured.

The category of *loans of up to €1 million* for non-financial corporations is designed specifically for small and medium-sized enterprises. The *loans of over €1 million* category is intended for large corporations. Interest rates reflect the borrower's economic power to negotiate appropriate credit terms and conditions. Interest rate developments indicate that loans of *up to €1 million* are provided at higher rates than loans of *over €1 million*.

**Agreed average annual interest rate:** average interest rate individually agreed between a bank and its customer for a loan, expressed in annualised terms (percentage per annum). An agreed average annual rate is to be determined on the basis of all interest rates on loans.

An agreed interest rate is converted into an average annual interest rate according to the formula:

$$x = \left( 1 + \frac{r_{ag}}{n} \right)^n - 1,$$

where

$x$  is the agreed average annual interest rate;

$r_{ag}$  is the annual interest rate agreed between the bank and its customer (borrower). The dates of loan interest capitalisation are set for the year at regular intervals;

$n$  is the number of periods of loan interest capitalisation per year, i.e. 1 for annual payments; 2 for semi-annual payments, 4 for quarterly payments, and 12 for monthly payments.

**Interest rate statistics (outstanding amounts):** these cover the outstanding amounts of bank loans of all types provided to customers and not yet repaid, and the outstanding amounts of all deposits received from customers and not yet redeemed, in all periods up to the date of reporting (reference period). The average interest rates agreed are expressed in annualised terms (p.a.). The method of calculation depends on the periodicity of capitalisation. The criterion for outstanding amount classification is the maturity of loans or the term of deposits.

**Interest rate statistics (new business):** these cover all the new loan and deposit agreements made between banks and their customers in the period under review (month). This applies to any agreement in which an interest rate is set for the first time, as well as to existing agreements that are renegotiated with the customers and in which the original terms and conditions are changed with an impact on interest levels (e.g. the new agreement is not prolonged automatically, variable interest rates are not changed, etc.). Interest rate statistics on new transactions cover the actual rates of interest agreed in individually negotiated agreements in the reference month. The method for calculating the average interest rates agreed, in annualised terms, depends on the periodicity of capitalisation.

**Initial rate fixation:** the period of time, set in advance, during which the interest rate on a loan is fixed. In interest rate statistics for new loans (new business), **only** the rate agreed for an initial fixation period prior to the loan agreement is reported. Loans **without** interest rate fixation are included in the category of 'variable rates and initial rate fixation for up to one year'.

## 7.3 Statistics of mutual funds

Under the act on collective investment No. 203/2011 Coll., mutual funds are divided into open-end funds, closed-end funds, and specialised funds. Open-end mutual funds can be categorised according to the type of instrument in which they primarily invest. According to the area of investment, mutual funds are divided into money market funds, equity funds, bond funds, mixed funds, real estate funds, and other funds. The investment strategy of a fund is directly related to the expected rate of return, as well as to the risk involved. The general rule is that the higher the potential return, the higher the risk involved. Limits for investment in the individual types of instruments are defined in the Collective Investment Act.

According to the sectoral classification of economic entities, money market funds are treated as *monetary financial institutions* (having specific sector – S.123) and other categories of mutual funds, referred to as investment funds (sector S.124).

The statistics of mutual funds assets and liabilities are defined by the relevant regulations and guidelines of the European Central Bank<sup>6</sup>.

Money market funds (MMFs) are collective investment undertakings complying with the following criteria:

- a) they pursue the investment objective of maintaining a fund's principal and providing a return in line with the interest rates of money market instruments;
- b) they invest in money market instruments which comply with the criteria for money market instruments set out in Directive 2009/65/EC of the European Parliament and of the Council of 13 July 2009 on the coordination of laws, regulations, and administrative provisions relating to undertakings for collective investment in transferable securities, or deposits with credit institutions or, alternatively, ensure that the liquidity and valuation of the portfolio in which they invest is assessed on an equivalent basis;
- c) they ensure that the money market instruments they invest in are of high quality, as determined by the management company. The quality

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<sup>6</sup> Regulation (EU) no 1073/2013 of the ECB of 18 October 2013 concerning statistics on the assets and liabilities of investment funds (recast) (ECB/2013/38), OJ L 297, 7.11.2013, p. 73 (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32013R1073&qid=1592989883329&from=EN>).

Regulation (EU) No 1071/2013 of the ECB of 24 September 2013 concerning the balance sheet of the monetary financial institutions sector (recast) (ECB/2013/33), OJ L 297, 7.11.2013, p. 1 (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32013R1071&from=EN>).  
Guideline of the ECB of 4 April 2014 on monetary and financial statistics recast) (ECB/2014/15), OJ L 340, 26.11.2014, p. 1 (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32014O0015&from=EN>).

of a money market instrument shall be considered, inter alia, on the basis of these factors:

- the credit quality of the money market instrument;
  - the nature of the asset class represented by the money market instrument;
  - for structured financial instruments, the operational and counterparty risk inherent within the structured financial transaction;
  - the liquidity profile;
- d) they ensure that their portfolio has a weighted average maturity of no more than six months and a weighted average life of no more than twelve months;
- e) they provide daily net asset value and a price calculation of their shares/units, and daily subscription and redemption of shares/units;
- f) they limit investment in securities to those with a residual maturity until the legal redemption date of less than or equal to two years, provided that the time remaining until the next interest rate reset date is less than or equal to 397 days, whereby floating rate securities should be reset to a money market rate or index;
- g) they limit investment in other collective investment undertakings to those complying with the definition of MMFs;
- h) they do not take direct or indirect exposure to equity or commodities, including via derivatives, and only use derivatives in line with the money market investment strategy of the fund. Derivatives which give exposure to foreign exchange may only be used for hedging purposes. Investment in non-base currency securities is allowed provided the currency exposure is fully hedged;
- i) they have either a constant or fluctuating net asset value.

The following terms are used in the definition of a money market fund:

**Close substitutability for deposits in terms of liquidity:** the ability of shares/units of collective investment undertakings, under normal market circumstance, to be repurchased, redeemed or transferred, at the request of the holder, where the liquidity of the shares/units is comparable to the liquidity of deposits.

**Money market instruments:** instruments of a high credit quality, if they have been awarded one of the two highest available short-term credit ratings by each recognised credit rating agency that has rated the instruments or, if the instruments are not rated, they are of an equivalent quality as determined by the management company's internal rating process. Where a recognised credit rating agency divides its highest short-term rating into two categories, these two ratings shall be considered as a single category and therefore the highest rating available.

When the weighted average lifetime and the weighted average maturity are calculated, the impact of financial derivative instruments, deposits and efficient portfolio management techniques are to be taken into account.

**Undertakings for collective investment:** undertakings the sole object of which is the collective investment in transferable securities of capital raised from the public and the shares/units of which are, at the request of holders, redeemed directly or indirectly, out of those undertakings' assets. Such undertakings may be constituted under the law of contract (as *common funds* managed by an asset management company), or under the trust law (as *unit trusts*), or under the commercial law (as *investment companies*).

**Weighted average life:** the weighted average of the remaining maturity of each security held in a fund, meaning the time until the principal is repaid in full, disregarding interest and not discounting. Contrary to the calculation of the weighted average maturity, the calculation of the weighted average life for floating rate securities and structured financial instruments does not permit the use of interest rate reset dates and instead only uses a security's stated final maturity. The weighted average life is used to measure the credit risk: the longer the reimbursement of principal is postponed, the higher the credit risk. The weighted average life is also used to limit the liquidity risk.

**Weighted average maturity:** a measure of the average length of time to maturity of all of the underlying securities in the fund weighted to reflect the relative holdings in each instrument, assuming that the maturity of a floating rate instrument is the time remaining until the next interest rate reset to a money market rate, rather than the time remaining before the principal value of the security must be repaid. In practice, weighted average maturity is used to measure the sensitivity of a MMF to changing money market interest rates.

## 7.4 Statistics of other financial intermediaries

According to the sectoral classification of economic entities (ESA 2010), the companies under analysis are included in the S.125 sector – *other financial intermediaries*<sup>7</sup>, as a subcategory referred to as *financial corporations en-*

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<sup>7</sup> The European System of National Accounts (ESA 2010) defines 'other financial intermediaries, except insurance corporations and pension funds' as financial corporations and quasi-corporations engaged mainly in financial intermediation through the acceptance of liabilities in forms other than cash, deposits and/or close substitutes for deposits from institutional units other than monetary financial institutions, or insurance technical reserves.

gaged in lending through the acceptance of liabilities in forms other than cash, deposits, and/or close substitutes for deposits from institutional units other than monetary financial institutions, or insurance technical reserves.

The S.125 sector comprises the following types of companies:

- 1. Financial companies engaged in lending** – companies granting credits and loans to non-financial corporations and households. They include financial leasing companies, factoring companies, and consumer credit companies.
- 2. Securities and derivatives dealers** – private individuals or firms specialising in securities market transactions; 1) they provide assistance to companies issuing new securities, provide guarantee for new securities and their placement on the market; 2) they trade in existing or new securities **for their own account**.
- 3. Financial vehicle corporations** – financial companies created to be holders of securitised assets or liabilities that have been removed from the balance sheets of corporations within the scope of their restructuring.

Other financial intermediaries are engaged primarily in long-term financing, which distinguishes the S.125 sector from that of S.122+S.123 (monetary financial institutions).

Data on OFIs need to be collected for the purpose of monitoring their activities in financial intermediation outside the *monetary financial institutions* sector (MFIs – banks, branches of foreign banks, and money market funds). The activities performed by OFIs are similar to those pursued by MFIs. The two types of institutions complement each other. Since the balance sheets of MFIs reported to the European Central Bank for statistical purposes contain no data on OFIs (though OFIs are owned fully or partly by MFIs), statistical data on OFIs need to be collected for the sake of a more detailed statistical overview.

The NBS Statistics Department has been monitoring these institutions since 2007, when their obligation to report data to NBS was imposed by an NBS decree<sup>8</sup>. The range of data reported complies in full with the current requirements<sup>9</sup> of the European Central Bank regarding the statistics of other financial intermediaries.

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<sup>8</sup> Decree of Národná banka Slovenska No. 19/2014 on reporting by factoring, leasing and consumer credit companies for statistical purposes.

<sup>9</sup> 9 Guideline of the ECB of 4 April 2014 on monetary and financial statistics recast) (ECB/2014/15), OJ L 340, 26.11.2014, p. 1 (ANNEX III, PART 11) (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32014O0015&from=EN>).

In order to minimise the costs related to the reporting of data to NBS, the so-called stratified cut-off tail sampling technique is applied, with data collected only from entities forming a representative sample within the given group, i.e. from entities representing at least 95% of the group's total assets. In 2022, quarterly balance-sheet data are collected from sixteen (out of 60) companies providing financial leasing services as the main or substantial part of their business activity, from nine (out of 90) consumer credit companies, from nine (out of 20) factoring companies and from one company classified as “another other financial intermediaries”. The missing data are supplemented with estimated figures, in order that the given types of entities are covered up to 100%.

## 7.5 Securities statistics

### 7.5.1 Securities issuance statistics

The compilation of securities issues statistics is governed by the relevant guideline of the European Central Bank<sup>10</sup>. These statistics provide information on all debt securities and quoted shares issued by domestic entities in any currency and in any country.

The individual issues are classified according to the sector of issuer. Further classification is made according to currency (issues in euro or other currency), type of security (debt or quoted securities), and according to the original maturity (short-term up to one year or long-term over one year). Debt securities are further divided according to the type of coupon yield (fixed, variable, or zero coupon).

Debt securities statistics focus on the outstanding amounts of issues (stocks) and flows, which are broken down into gross issues and redemptions. The difference between them represents issues in net terms.

#### a) Gross issues

Gross issues during the reporting period must include all issues of debt securities and quoted shares where the issuer sells newly created securities for cash. They concern the regular creation of new instruments. The point in time at which issues have been concluded is defined as the time at which payment is made; the recording of issues must therefore reflect as closely as possible the timing of payment of the underlying issue.

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<sup>10</sup> Guideline of the ECB of 4 April 2014 on monetary and financial statistics recast) (ECB/2014/15), OJ L 340, 26.11.2014, p. 1 (ANNEX III, PART 12) (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32014O0015&from=EN>).

## b) Redemptions

Redemptions during the reporting period cover all repurchases of debt securities and quoted shares by the issuer, where the investor receives cash for the securities. Redemptions concern the regular deletion of instruments. They cover all debt securities reaching their maturity date, as well as early redemptions. Company share buy-backs are covered, if the company repurchases all shares against cash prior to a change of its legal form, or part of its shares against cash which are cancelled, leading to a reduction in capital.

## c) Net issues

Net issues represent the balance of all issues made, minus all redemptions that have occurred during the reporting period.

Outstanding amounts in the reporting period should be equal to the outstanding amounts recorded in the previous period, increased by gross issues made in the reporting period and reduced by issues redeemed in the same period. In the same way, the outstanding amounts in the reporting period can be expressed as the outstanding amounts recorded in the previous period, plus net issues in the reporting period (see the Scheme 1 below).

In fact, differences may occur as a result of price and exchange rate changes, reclassification, revision, or other adjustments.

## 7.5.2 Debt securities

For debtors, debt securities represent an alternative to bank loans; for creditors, they represent a possible substitute for bank deposits and marketable instruments issued by banks.

Securities issues statistics cover the following instruments:

### i) **Short-term debt securities**

- Treasury bills and other short-term paper issued by the general government;

#### Scheme 1

a)	outstanding issues at the end of the reporting period	≈	outstanding issues at the end of the previous reporting period	+	Gross issues during the reporting period	-	Redemptions during the reporting period
b)	outstanding issues at the end of the reporting period	≈	outstanding issues at the end of the previous reporting period	+	Net issues during the reporting period		

- negotiable short-term securities issued by financial and non-financial corporations; a variety of terms are used for such paper including, for example commercial papers, commercial bills, promissory notes, bills of trade, bills of exchange and certificates of deposit;
- short-term securities issued under long-term underwritten note issuance facilities;
- bankers' acceptances.

## ii) Long-term debt securities

- bearer bonds;
- subordinated bonds;
- bonds with optional maturity dates, the latest of which is more than one year away;
- undated or perpetual bonds;
- variable rate notes;
- convertible bonds;
- covered bonds;
- index-linked securities where the value of the principal is linked to a price index, the price of a commodity or to an exchange rate index;
- deep-discounted bonds;
- zero coupon bonds;
- euro bonds;
- global bonds;
- privately issued bonds;
- securities resulting from the conversion of loans;
- loans that have become negotiable de facto;
- special types of bonds (debentures) and borrowed securities (loan stock) convertible into shares, whether the shares of the issuing corporation or shares of another company, as long as they have not been converted. Where separable from the underlying bond, the conversion option, considered to be a financial derivative, is excluded;
- shares or stocks that pay a fixed income but do not provide for participation in the distribution of the residual value of the corporation on dissolution, including non-participating preference shares;
- financial assets issued as part of the securitisation of loans, mortgages, credit card debt, accounts receivable, and other assets.

The following instruments are excluded:

- transactions in securities as part of repurchase agreements;
- issues of non-negotiable securities;
- non-negotiable loans.

### 7.5.3 Quoted shares

Quoted shares are defined in this case as shares that have been admitted to trading on a quoted market, i.e. the main or parallel market, as well as shares admitted to trading on a regulated free market, but only if they have a fair market value. Their values are reported as market capitalisation for the individual sectors.

Quoted shares include:

- capital shares issued by limited liability companies;
- redeemed shares in limited liability companies;
- dividend shares issued by limited liability companies;
- preferred or preference stocks or shares which provide for participation in the distribution of the residual value on dissolution of a corporation; these may be quoted or unquoted on a recognised stock exchange;
- private placements where possible.

If a company is privatised and the government keeps part of the shares and the other part is quoted on a regulated market, the whole value of the company's capital is recorded within the outstanding amount of quoted shares, since all shares could potentially be traded at any time at market value. The same applies if part of the shares is sold to large investors and only the remaining part, i.e. free float, is traded on the stock exchange.

Quoted shares exclude:

- shares offered for sale but not taken up on issue;
- debentures and loan stock convertible into shares; these are included once they are converted into shares;
- the equity of partners with unlimited liability in incorporated partnerships;
- government investments in the capital of international organisations which are legally constituted as corporations with share capital;
- issues of bonus shares at the time of issue only and split share issues; bonus shares and split shares are, however, included indistinguishably in the total stock of quoted shares.

## 7.6 Long-term interest rates

**Long-term interest rate stability is one of the convergence criteria laid down in the Maastricht Treaty.** This criterion expresses the requirement for sustainable convergence, which is to be achieved by each Member State. The average nominal long-term interest rate in a Member State must not exceed, by more than 2%, the average nominal long-term interest rate

in the three Member States with the lowest inflation rates in the year following the last assessment. The interest rates are measured on the basis of *long-term government bond rates* or the rates for comparable securities.

The statistical principles of long-term interest rate reporting are defined in the following key terms.

The term *bond issuer* refers to the *central government*. The *maturity of government bonds* is a residual maturity period of around ten years. The residual maturity period is recommended to be between 9.5 and 10.5 years. The type of bonds used should be sufficiently *liquid*. This requirement affects the choice between a *benchmark-oriented approach* and an *approach based on a basket of bonds*, depending on the national conditions. The benchmark-oriented approach treats bonds as a key indicator of the market conditions. The bond issue with the highest liquidity and turnover is often the most recent issue of sizeable volume. The approach based on a basket of bonds offers a choice of bonds from various types of bonds with various ISIN codes. The bonds available have the same weight.

In view of the situation in the local market for securities, the *benchmark-oriented approach* had been used until the end of January 2012. From the entry of Slovakia into the euro area to January 2012, daily yields to maturity were reported to the ECB for the following government bond issues:

SK4120004318 Benchmark for the period 01/2009 – 06/2010

SK4120007204 Benchmark for the period 07/2010 – 01/2012.

With effect from 1 February 2012, the benchmark-oriented approach has been replaced with an approach based on a basket of bonds. This basket included two government bond issues that fully complied with the criteria:

SK4120004318 and SK4120007543 Benchmark for the period 02/2012 – 06/2013.

With effect from 1 July 2013, the *approach based on a basket of bonds* has been replaced with a *benchmark-oriented approach*.

SK4120004318 Benchmark for the period 07/2013 – 04/2014,

SK4120008871 Benchmark for the period 05/2014 – 05/2015,

SK4120007543 Benchmark for the period 06/2015 – 05/2016,

SK4120010430 Benchmark for the period 06/2015 – 05/2018,

SK4120009762	Benchmark for the period 06/2018 – 10/2019,
SK4120015173	Benchmark for the period 11/2019 – 12/2020,
SK4000017059	Benchmark for the period 01/2021 – 09/2021,
SK4000017166	Benchmark for the period 10/2021 to date.

# Abbreviations

APRC	Annual percentage rate of charge
ECB	European Central Bank
ESA2010	European System of Accounts
MFI	Monetary financial institutions (banks, branches of foreign banks, money market funds)
MMF	Money market funds
NMFI	Non-monetary financial institutions
p. p.	Percentage point
P	Provisions
S	Securities
SASS	Slovak Association of Asset Management Companies
SDDS	Special Data Dissemination Standard as defined by the International Monetary Fund

# Glossary

**Aggregate balance sheet of Slovakia:** a summary statistical balance sheet of all monetary and financial institutions based in Slovakia, excluding NBS.

**Building loans:** loans provided by home savings banks under Act No. 310/1992 Coll. on home savings as amended.

**Consumer loans:** defined for reporting purposes as loans provided for the purpose of personal consumption, i.e. the purchase of goods and services.

**Investment loans:** loans tied to the cycle of fixed assets, where the individual components of fixed assets are tied for a period longer than one year (except for loans provided for the purchase and/or technical development of land and buildings).

**Intermediate loans:** loans provided by home savings banks under the provisions of Act No. 310/1992 Coll. on home savings as amended.

**Key ECB interest rates:** the interest rates set by the Governing Council of the European Central Bank (ECB), determining the monetary policy stance of the ECB. These interest rates are the rate for the main refinancing operations, the rate for the marginal lending facility, and the rate for the deposit facility.

**Monetary financial institutions (MFI):** national central banks, credit institutions and other financial institutions whose business is to collect deposits and/or other redeemable instruments from entities other than MFIs, to grant credit and loans, and to make investments in securities for their own account (e.g. money market funds).

**Mortgage loans:** loans with a maturity of at least four years (but not more than 30 years), which are secured by a lien on domestic real estate and which satisfy the requirements laid down in Section 68 of Act No. 483/2001 Coll. on banks and on amendments to certain laws as amended.

**Nominal value of loan:** the outstanding amount of the loan principal, excluding accruals and other due amounts.

**Non-performing loan:** any loan where the bank assesses that the borrower is unlikely to meet its commitments without the security being realised, or where the borrower is more than 90 days in arrears with a significant commitment to the bank.

**Operating loans:** loans tied to the cycle of operating (current) assets, where the individual current asset components are usually fixed for a period of up to one year. Such loans are provided, for example, for the purchase of material supplies, raw materials, semi-finished goods, finished products, claims related to trade credits, or for the coverage of seasonal fluctuations in economic activities.

**Original maturity period:** the time aspect of claims and liabilities classification based on the contractual (agreed) maturity period.

**Other real estate loans:** real estate loans other than mortgage loans, building loans, or intermediate loans.

**Pension funds:** funds managed by pension fund management companies or supplementary pension asset management companies.

**Real estate loans:** all loans provided for the purchase and/or technical development of land and buildings, which are registered with the Land Registry under Act No. 162/1995 Coll. on land registries and registration of ownership title and other rights to real estate (the Land Registry Act) as amended.

**Residual maturity period:** for claims and liabilities, the residual maturity period is the difference between the agreed maturity date and the date for which the relevant report/statement is compiled, i.e. usually the end of a month, quarter, or year.

**Secured loans:** for the purpose of interest rate statistics, these are loans secured up to their total amount using the technique of 'funded credit protection', or secured by a guarantee using the technique of 'unfunded credit protection' so that the value of collateral or guarantee is higher or equal to the total amount of the new loan. If the requirements for credit protection are not satisfied, the new loan is considered unsecured.

**Renegotiated loans** are a part of new loans and are covering all changes to former contract with the active participation of the client, resulting in the change in contract conditions with effect on the interest rate. These loans do not bring new contracts to the market.

**Pure new loans** are loans which are a part of new loans and are calculated as the difference between the total amount of new loans and renegotiated loans, the so called new money in economy.

# Sector classification

Classification of institutional sectors and sub-sectors according to the European System of National and Regional Accounts (ESA2010):

## **S.1 Residents – Slovakia (residents of the Slovak Republic)**

**Residents – Other euro area member states** (euro area residents, except SR residents)

### **S.11 Non-financial corporations**

### **S.12 Financial corporations**

S.121 Central Bank (Národná banka Slovenska)

S.122 Other monetary financial institutions

S.123 Money market funds

S.124 Investment funds

S.125 Other financial intermediaries

S.126 Financial auxiliaries

S.127 Captive financial corporations and money lenders

S.128 Insurance corporations

S.129 Pension funds

### **S.13 General government**

S.1311 Central government

S.1312 Regional government

S.1313 Local government

S.1314 Social security funds

### **S.14 Households**

S.141 Employers

S.142 Own-account workers

S.143 Employees

S.144 Recipients of property incomes, pensions and other transfer incomes

S.145 Others

### **S.15 Non-profit institutions serving households**

## **S.2 Rest of the world** (all countries, except Slovakia and the euro area)

# List of additional links

## **Sector breakdown:**

<http://ec.europa.eu/eurostat/en/web/products-manuals-and-guidelines/-/KS-02-13-269>

## **Revision policy:**

[http://www.nbs.sk/\\_img/Documents/STATIST/MET/revpola.pdf](http://www.nbs.sk/_img/Documents/STATIST/MET/revpola.pdf)

## **Structure of the financial market**

List of monetary financial institutions:

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-and-analytical-overview/monetary-statistics-of-monetary-financial-institutions#ZOZPFI>

List of investment funds:

<http://www.nbs.sk/en/statistics/financial-institutions/money-market-funds-and-investment-funds>

List of other financial intermediaries:

<http://www.nbs.sk/en/statistics/financial-institutions/factoring-leasing-and-consumer-credit-companies/statistics-on-financial-corporations-engaged-in-lending>

Overview of developments in the monetary sector:

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-and-analytical-overview/a-survey-of-financial-sector-development>

## **Statistics of credit institutions and monetary statistics**

Statistics of monetary financial institutions:

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-and-analytical-overview/monetary-statistics-of-monetary-financial-institutions>

Monetary aggregates in the euro area:

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-and-analytical-overview/monetary-statistics-of-monetary-financial-institutions#M3-PFI>

Balance sheets of monetary financial institutions based in the euro area:

[https://www.ecb.europa.eu/stats/money\\_credit\\_banking/mfi\\_balance\\_sheets/html/index.en.html](https://www.ecb.europa.eu/stats/money_credit_banking/mfi_balance_sheets/html/index.en.html)

**Interest rate statistics:**

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-and-analytical-overview/interest-rate-statistics>

Interest rate statistics – bank loans:

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-and-analytical-overview/interest-rate-statistics/banking-interest-rates-statistics-loans>

Interest rate statistics – bank deposits:

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-and-analytical-overview/interest-rate-statistics/banking-interest-rates-statistics-deposits>

MFIs Interest rates statistics for the euro area:

[https://www.ecb.europa.eu/stats/financial\\_markets\\_and\\_interest\\_rates/bank\\_interest\\_rates/mfi\\_interest\\_rates/html/index.en.html](https://www.ecb.europa.eu/stats/financial_markets_and_interest_rates/bank_interest_rates/mfi_interest_rates/html/index.en.html)

Long-term interest rate statistics:

<http://www.nbs.sk/en/statistics/financial-markets/interest-rates/long-term-interest-rates-statistics>

**Non-performing loans:**

[http://www.nbs.sk/\\_img/Documents/STATIST/MET/Bad\\_Loans.pdf](http://www.nbs.sk/_img/Documents/STATIST/MET/Bad_Loans.pdf)

**Source data of monetary financial institutions:**

<http://www.nbs.sk/en/statistics/financial-institutions/banks/statistical-data-of-monetary-financial-institutions>

**Statistics of investment funds:**

<http://www.nbs.sk/en/statistics/financial-institutions/money-market-funds-and-investment-funds/investment-funds-statistics>

**Statistics of financial corporations engaged in lending (FCLs):**

<http://www.nbs.sk/en/statistics/financial-institutions/factoring-leasing-and-consumer-credit-companies/statistics-on-financial-corporations-engaged-in-lending>

Source data of other financial intermediaries (OFIs):

<http://www.nbs.sk/en/statistics/financial-institutions/factoring-leasing-and-consumer-credit-companies/statistical-data>

Securities issues statistics:

<http://www.nbs.sk/en/statistics/financial-markets/securities/securities-issues-statistics>

Securities custody statistics:

<http://www.nbs.sk/en/statistics/financial-markets/securities/securities-custody-statistics>

Data categories within SDDS standard:

<http://www.nbs.sk/en/statistics/data-categories-of-sdds>

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