

**Consolidated Financial Statements**  
**Sberbank of Russia and its subsidiaries**  
*For the year ended 31 December 2021*  
with Independent Auditor's Report

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Independent Auditor's Report

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## Independent Auditor's Report

To the Shareholders and the Supervisory Board of Sberbank of Russia

### Report on the audit of the consolidated financial statements

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#### Opinion

In our opinion, the consolidated financial statements present fairly, in all material respects, the consolidated financial position of Sberbank of Russia (the "Bank") and its subsidiaries (together – the "Group") as at 31 December 2021, and the Group's consolidated financial performance and consolidated cash flows for the year then ended in accordance with International Financial Reporting Standards (IFRS).

#### What we have audited

The Group's consolidated financial statements comprise:

- the consolidated statement of financial position as at 31 December 2021;
- the consolidated statement of profit or loss for the year then ended;
- the consolidated statement of comprehensive income for the year then ended;
- the consolidated statement of changes in equity for the year then ended;
- the consolidated statement of cash flows for the year then ended; and
- the notes to the consolidated financial statements, which include significant accounting policies and other explanatory information.

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#### Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (ISAs). Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the consolidated financial statements section of our report.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### Independence

We are independent of the Group in accordance with the International Code of Ethics for Professional Accountants (including International Independence Standards) issued by the International Ethics Standards Board for Accountants (IESBA Code) and the ethical requirements of the Auditor's Professional Ethics Code and Auditor's Independence Rules that are relevant to our audit of the consolidated financial statements in the Russian Federation. We have fulfilled our other ethical responsibilities in accordance with these requirements and the IESBA Code.



## Key audit matters

Key audit matters are those matters that, in our professional judgement, were of most significance in our audit of the consolidated financial statements of the current period. These matters were addressed in the context of our audit of the consolidated financial statements as a whole, and in forming our opinion thereon, and we do not provide a separate opinion on these matters.

Key audit matter	How our audit addressed the key audit matter
<p><b>Credit loss allowance for loans and advances to customers</b></p> <p>We focused on this matter due to the significance of loans and advances to customers balance and significance of judgements and estimates required for calculation of the related allowance.</p> <p>The allowance represents management’s estimate of the expected credit losses from loans and advances to customers.</p> <p>Collective assessment of the allowance is based on models, which use internally developed risk metrics assigned to the specific balances. Individual assessment of the allowance is based on models which use expected future cash flows related to specific balances under different scenarios. The design of and inputs to the models are subject to management judgement.</p> <p>Note 3 “Critical Accounting Estimates and Judgements in Applying Accounting Policies”, Note 7 “Loans and Advances to Customers”, Note 33 “Financial and Insurance Risk Management” and Note 43 “Basis of Preparation and Significant Accounting Policies” to the consolidated financial statements provide detailed information on the credit loss allowance for loans and advances to customers.</p>	<p>In relation to the Bank:</p> <p>We assessed the key methodologies used by the Bank for calculation of the allowance for compliance with the requirements of IFRS.</p> <p>We assessed and tested (on a sample basis) the design and operating effectiveness of the controls over data and calculations. These controls included those over development and maintenance of models and input data, assignment of risk metrics to the balances, transfer of data to/from the models, and calculation of the allowance. The purpose of our procedures was to determine that we could rely on these controls for the purposes of our audit.</p> <p>We tested (on a sample basis) significant loans and advances, which had not been identified by management as requiring individual assessment of the allowance and formed our own judgement as to whether that was appropriate. We considered available reasonable and supportable information about the borrowers’ credit risk, including information about the borrowers’ business and how it is affected by the changes in the operating environment including those related to the continuing COVID-19 pandemic and some stabilisation of the economic conditions.</p> <p>We tested (on a sample basis) the basis and operation of models and calculations used for collective and individual assessment of the allowance and the data and assumptions used. Our work included comparison of the main assumptions and estimates made with available external evidence, our own knowledge of other practices and actual experience, testing of the models through re-performance, and various analytical and other procedures. We assessed management assumptions in the context of the changes in the operating environment including those related to the continuing COVID-19 pandemic and some stabilisation of the economic conditions.</p> <p>In relation to the subsidiaries of the Bank:</p> <p>Where necessary and appropriate, procedures similar to those above were performed in relation to the subsidiaries of the Bank.</p>
<p><b>Valuation of loans and advances to customers at fair value through profit or loss</b></p> <p>We focused on this matter due to the significance of the balance and subjectivity of valuation of loans and advances to customers at fair value through profit or loss.</p>	<p>In relation to the Bank:</p> <p>We assessed the key methodologies, formulas and sources of information used by the Bank for the valuation for compliance with the requirements of IFRS.</p>

Key audit matter	How our audit addressed the key audit matter
<p>These loans are valued at fair value using models that incorporate unobservable inputs (level 3 of the fair value hierarchy) including those reflecting impact of credit quality of customers.</p> <p>Note 3 “Critical Accounting Estimates and Judgements in Applying Accounting Policies”, Note 7 “Loans and Advances to Customers” and Note 36 “Fair Value Disclosures” to the consolidated financial statements provide detailed information on the valuation of loans and advances to customers at fair value through profit or loss.</p>	<p>We tested (on a sample basis) valuation models for selected loans. Our work included assessment if the models and inputs are appropriate, re-performance of selected calculations, and various analytical and other procedures. We assessed management assumptions in the context of the changes in the operating environment including those related to the continuing COVID-19 pandemic and some stabilisation of the economic conditions.</p> <p>In relation to the subsidiaries of the Bank:</p> <p>Where necessary and appropriate, procedures similar to those above were performed in relation to the subsidiaries of the Bank.</p>

## Other matter – Materiality and Group audit scope

### Materiality

As part of designing our audit, we determined materiality and assessed the risks of material misstatement in the consolidated financial statements. In particular, we considered where management made subjective judgements; for example, in respect of significant accounting estimates that involved making assumptions and considering future events that are inherently uncertain. As in all of our audits, we also addressed the risk of management override of internal controls, including, among other matters, consideration of whether there was evidence of bias that represented a risk of material misstatement due to fraud.

The scope of our audit was influenced by our application of materiality. An audit is designed to obtain reasonable assurance whether the consolidated financial statements are free from material misstatement. Misstatements may arise due to fraud or error. They are considered material if individually or in aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the consolidated financial statements.

Based on our professional judgement, we determined certain quantitative thresholds for materiality, including the overall Group materiality for the consolidated financial statements as a whole. These, together with qualitative considerations, helped us to determine the scope of our audit and the nature, timing and extent of our audit procedures and to evaluate the effect of misstatements, if any, both individually and in aggregate on the consolidated financial statements as a whole.

### How we tailored our Group audit scope

We tailored the scope of our audit in order to perform sufficient work to enable us to provide an opinion on the consolidated financial statements as a whole, taking into account the structure of the Group, the accounting processes and controls, and the industry in which the Group operates.

We audited the financial information of the Bank. Total assets of the Bank (excluding intercompany balances) represented approximately 85% of the total assets of the Group as at 31 December 2021. Among other audit procedures, our work included audit procedures in respect of calculations and adjustments necessary for transformation of the accounting records of the Bank maintained in accordance with the Russian Accounting Rules to the financial information prepared in accordance with IFRS.

We applied professional judgement in determining our involvement in the audit of the financial information of the subsidiaries of the Bank. We sent instructions to the auditors of certain subsidiaries. Auditors of the subsidiaries include AO PricewaterhouseCoopers Audit, audit firms that are member firms of the PwC network and other auditors. The instructions included our risk assessment, assigned overall materiality levels, and auditing, reporting, ethical and other requirements. We obtained and evaluated communication with the respective auditors and performed additional procedures to ensure that we obtained sufficient audit evidence in relation to the subsidiaries of the Bank.

We also performed audit procedures in relation to consolidation of the financial information of the Group and preparation of the consolidated financial statements of the Group.



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## Other information

Management is responsible for the other information. The other information comprises the Annual Report for 2021 and Securities Issuer's Report for the 12 months of 2021 (but does not include the consolidated financial statements and our auditor's report thereon), which are expected to be made available to us after the date of this auditor's report.

Our opinion on the consolidated financial statements does not cover the other information and we do not and will not express any form of assurance conclusion thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information identified above, when it becomes available, and, in doing so, consider whether the other information is materially inconsistent with the consolidated financial statements or our knowledge obtained in the audit, or otherwise appears to be materially misstated.

When we read the other information, if we conclude that there is a material misstatement therein, we are required to communicate the matter to those charged with governance.

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## Responsibilities of management and those charged with governance for the consolidated financial statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with IFRS, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Group's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Group or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Group's financial reporting process.

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## Auditor's responsibilities for the audit of the consolidated financial statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Group's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.



- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Group to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Group to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the Group audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, actions taken to eliminate threats or safeguards applied.

From the matters communicated with those charged with governance, we determine those matters that were of most significance in the audit of the consolidated financial statements of the current period and are therefore the key audit matters. We describe these matters in our auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, we determine that a matter should not be communicated in our report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

## Report on other legal and regulatory requirements

### Report on examination in accordance with Article No.42 of Federal Law of 2 December 1990 No.395-1 "On Banks and Banking Activity"

Management of the Bank is responsible for compliance of the Group with the statutory ratios set by the Bank of Russia and for compliance of internal control and organisation of risk management systems of the Group with the Bank of Russia's requirements for such systems.

In accordance with Article No.42 of Federal Law of 2 December 1990 No.395-1 "On Banks and Banking Activity" we have examined the following during the audit of the consolidated financial statements of the Group for the year ended 31 December 2021:

- compliance of the Group as at 1 January 2022 with the statutory ratios set by the Bank of Russia; and
- compliance of internal control and organisation of risk management systems of the Group with the requirements set by the Bank of Russia for such systems.

Our examination was limited to procedures selected based on our judgement such as inquiries, analysis and examination of documents, comparison of requirements, procedures and methodologies adopted by the Bank with the Bank of Russia's requirements, as well as recalculation, comparison and reconciliation of figures and other information.

We have identified the following based on our examination:

- 1) as related to compliance of the Group with the statutory ratios set by the Bank of Russia:  
As at 1 January 2022 the Group's statutory ratios were within the limits set by the Bank of Russia.  
We draw your attention to the fact that we have not performed any procedures related to the underlying accounting data of the Group other than the procedures we considered necessary to express our opinion on whether or not the consolidated financial statements of the Group present fairly, in all material respects, the consolidated financial position of the Group as at 31 December 2021, and its consolidated financial performance and its consolidated cash flows for the year then ended in accordance with IFRS.
- 2) as related to compliance of internal control and organisation of risk management systems of the Group with the Bank of Russia's requirements for such systems:
  - a) in accordance with the Bank of Russia's requirements and recommendations, as at 1 January 2022 subdivisions of the Bank for managing significant risks of the Group were not subordinated or accountable to subdivisions assuming corresponding risks;
  - b) internal documents of the Bank effective as at 1 January 2022 which set out the methodologies to identify and manage significant risks of the Group (credit, operational, market, liquidity, country, currency, interest rate, model, technology, cybersecurity, conduct, participation and support), and the methodologies to carry out stress testing are duly approved by appropriate management bodies of the Bank in accordance with the Bank of Russia's requirements and recommendations;
  - c) as at 1 January 2022 the Bank had in place a reporting system for above mentioned significant risks, and for equity (capital) of the Group;
  - d) the frequency and consistency of reports prepared by risk management subdivisions of the Bank and its internal audit function during 2021 as related to management of above mentioned significant risks of the Group complied with internal documents of the Bank; those reports included observations made by risk management subdivisions of the Bank and its internal audit function as related to the assessment of the effectiveness of the respective methodologies of the Bank as well as recommendations on their improvement;
  - e) as at 1 January 2022 the authority of the Supervisory Board of the Bank and its executive bodies included control over compliance of the Group with risk and equity (capital) adequacy limits set by internal documents of the Bank. To exercise control over the effectiveness of the risk management procedures applied in the Group and their consistent application in 2021, the Supervisory Board of the Bank and its executive bodies regularly discussed the reports prepared by risk management subdivisions of the Bank and its internal audit function and considered proposed measures to eliminate weaknesses.

We have performed the above procedures related to internal control and organisation of risk management systems of the Group solely to examine compliance of internal control and organisation of risk management systems of the Group with the Bank of Russia's requirements for such systems.

The certified auditor responsible for the audit resulting in this independent auditor's report is E.N. Kriventsev.

*AO PricewaterhouseCoopers Audit*

1 March 2022  
Moscow, Russian Federation



E.N. Kriventsev is authorised to sign on behalf of the general director of AO PricewaterhouseCoopers Audit (Principal Registration Number of the Record in the Register of Auditors and Audit Organizations (PRNR) – 12006020338), certified auditor (PRNR – 21906099944)

## Consolidated Statement of Financial Position

<i>in billions of Russian Roubles</i>	Note	31 December 2021	31 December 2020
<b>ASSETS</b>			
Cash and cash equivalents	5	2,409.3	2,376.8
Mandatory cash balances with central banks		273.8	279.6
Due from banks	6	1,532.5	1,212.3
Loans and advances to customers	7	27,095.5	23,386.4
Securities	8	5,016.9	5,624.4
Financial instruments pledged under repurchase agreements	9	1,649.1	933.0
Derivative financial assets	10	336.3	313.6
Investments in associates and joint ventures	11	165.7	140.5
Deferred tax asset	29	35.2	23.2
Premises, equipment and right-of-use assets	12	827.8	754.7
Assets of the disposal groups and non-current assets held for sale	13	626.3	101.4
Other assets	14	1,197.1	870.1
<b>TOTAL ASSETS</b>		<b>41,165.5</b>	<b>36,016.0</b>
<b>LIABILITIES</b>			
Due to banks	15	2,418.6	1,563.4
Due to individuals	16	17,854.8	16,655.7
Due to corporate customers	16	10,457.6	9,180.0
Debt securities in issue	17	895.6	814.2
Other borrowed funds		80.7	68.0
Derivative financial liabilities and obligations to deliver securities	18	530.6	374.0
Deferred tax liability	29	29.9	37.7
Liabilities of the disposal groups	13	582.3	15.7
Other liabilities	19	2,118.4	1,773.2
Subordinated debt	20	552.5	487.6
<b>TOTAL LIABILITIES</b>		<b>35,521.0</b>	<b>30,969.5</b>
<b>EQUITY</b>			
Share capital and share premium	21	320.3	320.3
Perpetual subordinated loan	22	150.0	150.0
Treasury shares	21	(33.3)	(14.4)
Other reserves	31	1.3	213.3
Retained earnings		5,200.3	4,375.6
<b>Total equity attributable to shareholders of the Bank</b>		<b>5,638.6</b>	<b>5,044.8</b>
Non-controlling interest		5.9	1.7
<b>TOTAL EQUITY</b>		<b>5,644.5</b>	<b>5,046.5</b>
<b>TOTAL LIABILITIES AND EQUITY</b>		<b>41,165.5</b>	<b>36,016.0</b>

Approved for issue and signed on behalf of the Executive Board on 1 March 2022.



Herman Gref,  
Chairman of the Executive Board and CEO



Alexandra Buriko,  
Senior Vice-President,  
Member of the Executive Board

## Consolidated Statement of Profit or Loss

		Year ended 31 December	
<i>in billions of Russian Roubles</i>	Note	2021	2020
<b>Continuing operations</b>			
Interest income calculated using the effective interest method	23	2,576.6	2,260.4
Other interest income	23	154.5	116.8
Interest expense calculated using the effective interest method	23	(819.7)	(703.5)
Other interest expense	23	(31.3)	(21.1)
Deposit insurance expenses	23	(78.1)	(62.9)
<b>Net interest income</b>	<b>23</b>	<b>1,802.0</b>	<b>1,589.7</b>
Net credit loss allowance charge for debt financial assets	6,7,8	(141.8)	(388.6)
<b>Net interest income after credit loss allowance charge for debt financial assets</b>		<b>1,660.2</b>	<b>1,201.1</b>
Fee and commission income	24	917.5	766.2
Fee and commission expense	24	(300.7)	(220.9)
Net gains / (losses) from non-derivative financial instruments at fair value through profit or loss	7	21.3	(47.8)
Net gains from financial instruments at fair value through other comprehensive income		3.7	21.3
Net gains from derivatives, trading in foreign currencies, foreign exchange and precious metals accounts translation	25	53.0	60.7
Net losses arising on initial recognition and modification of financial instruments measured at amortized cost		(11.8)	(45.2)
Net losses from revaluation of office premises	12	—	(5.7)
Impairment of non-financial assets		(12.7)	(23.9)
Net charge for other provisions and allowances	11,14,19	(38.4)	(12.2)
Revenue of non-financial and other business activities	26	143.0	55.9
Cost of sales and other expenses of non-financial and other business activities	26	(145.6)	(48.6)
Net premiums from insurance and pension fund operations	27	247.7	182.1
Net claims, benefits, change in contract liabilities and acquisition costs on insurance and pension fund operations	27	(226.3)	(187.6)
Income from operating lease of equipment		10.2	9.8
Expenses related to equipment leased out		(5.5)	(5.4)
Net share of loss of associates and joint ventures	11	(13.8)	(21.0)
Other net operating income		31.4	35.8
<b>Operating income</b>		<b>2,333.2</b>	<b>1,714.6</b>
Staff and administrative expenses	28	(858.6)	(738.5)
<b>Profit before tax</b>		<b>1,474.6</b>	<b>976.1</b>
Income tax expense	29	(293.7)	(193.3)
<b>Profit from continuing operations</b>		<b>1,180.9</b>	<b>782.8</b>
Profit / (loss) from discontinued operations (attributable to shareholders of the Bank)	13	65.0	(22.5)
<b>Profit for the year</b>		<b>1,245.9</b>	<b>760.3</b>
Attributable to:			
- shareholders of the Bank		1,250.7	761.1
- non-controlling interest		(4.8)	(0.8)
<b>Earnings per ordinary share based on profit for the year attributable to the shareholders of the Bank, basic and diluted</b> (expressed in RR per share)	<b>30</b>	<b>56.98</b>	<b>34.36</b>
<b>Earnings per ordinary share based on profit from continuing operations attributable to the shareholders of the Bank, basic and diluted</b> (expressed in RR per share)	<b>30</b>	<b>53.95</b>	<b>35.41</b>

## Consolidated Statement of Comprehensive Income

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Profit for the year</b>	<b>1,245.9</b>	<b>760.3</b>
<b>Other comprehensive income:</b>		
<b>Continuing operations</b>		
<i>Items to be reclassified to profit or loss in subsequent periods</i>		
Debt financial instruments measured at fair value through other comprehensive income:		
- Net change in fair value, net of tax	(168.2)	55.7
- Accumulated gains transferred to profit or loss upon disposal, net of tax	(3.0)	(16.9)
Exchange differences on translating foreign operations	(11.5)	43.1
Share of other comprehensive (loss) / income of associates and joint ventures	(0.7)	0.5
<b>Total other comprehensive (loss) / income to be reclassified to profit or loss in subsequent periods, net of tax</b>	<b>(183.4)</b>	<b>82.4</b>
<i>Items that will not be reclassified to profit or loss in subsequent periods</i>		
Revaluation of office premises:		
- Revaluation of office premises, net of tax	—	(2.9)
- Change in valuation of office premises transferred to other classes of assets, net of tax	(0.4)	(0.3)
Actuarial remeasurements of defined benefit pension plans	1.1	(0.6)
<b>Total other comprehensive income / (loss) that will not be reclassified to profit or loss in subsequent periods</b>	<b>0.7</b>	<b>(3.8)</b>
<b>Total other comprehensive (loss) / income from continuing operations</b>	<b>(182.7)</b>	<b>78.6</b>
<b>Total other comprehensive income of discontinued operations to be reclassified to profit or loss upon disposal, net of tax</b>	<b>1.1</b>	<b>17.2</b>
<b>Accumulated gains of discontinued operations transferred to profit or loss upon disposal of discontinued operations and other movements related to discontinued operations, net of tax</b>	<b>(23.9)</b>	<b>—</b>
<b>Total other comprehensive (loss) / income</b>	<b>(205.5)</b>	<b>95.8</b>
<b>Total comprehensive income for the year</b>	<b>1,040.4</b>	<b>856.1</b>
Attributable to:		
- shareholders of the Bank	1,045.2	856.8
- non-controlling interest	(4.8)	(0.7)
<b>Total comprehensive income for the year, attributable to shareholders of the Bank from:</b>		
- continuing operations	<b>1,003.0</b>	<b>862.1</b>
- discontinued operations	<b>42.2</b>	<b>(5.3)</b>

## Consolidated Statement of Changes in Equity

<i>in billions of Russian Roubles</i>	Note	Attributable to shareholders of the Bank							Non-controlling interest	Total equity
		Share capital	Share premium	Perpetual subordinated loan	Treasury shares	Other reserves (Note 31)	Retained earnings	Total		
<b>Balance as at 31 December 2019</b>		<b>87.7</b>	<b>232.6</b>	—	(21.5)	<b>130.3</b>	<b>4,049.2</b>	<b>4,478.3</b>	<b>8.4</b>	<b>4,486.7</b>
<b>Changes in equity for the year ended 31 December 2020</b>										
Net result from treasury shares transactions		—	—	—	7.1	—	(0.6)	6.5	—	6.5
Recognition of perpetual subordinated loan	22	—	—	150.0	—	—	—	150.0	—	150.0
Interest payments on perpetual subordinated loan	22	—	—	—	—	—	(5.2)	(5.2)	—	(5.2)
Dividends declared	30	—	—	—	—	—	(420.8)	(420.8)	—	(420.8)
Transfer of revaluation reserve for office premises upon disposal or depreciation		—	—	—	—	(3.7)	3.7	—	—	—
Acquisition of subsidiaries and changes in ownership interest in subsidiaries		—	—	—	—	—	(11.8)	(11.8)	(6.0)	(17.8)
Recognition of liabilities reserve for buyout of non-controlling interest		—	—	—	—	(9.0)	—	(9.0)	—	(9.0)
<i>Profit / (loss) for the year</i>		—	—	—	—	—	761.1	761.1	(0.8)	760.3
<i>Other comprehensive income for the year</i>		—	—	—	—	95.7	—	95.7	0.1	95.8
Total comprehensive income / (loss) for the year		—	—	—	—	95.7	761.1	856.8	(0.7)	856.1
<b>Balance as at 31 December 2020</b>		<b>87.7</b>	<b>232.6</b>	<b>150.0</b>	<b>(14.4)</b>	<b>213.3</b>	<b>4,375.6</b>	<b>5,044.8</b>	<b>1.7</b>	<b>5,046.5</b>
<b>Changes in equity for the year ended 31 December 2021</b>										
Net result from treasury shares transactions		—	—	—	(18.9)	—	4.0	(14.9)	—	(14.9)
Interest payments on perpetual subordinated loan	22	—	—	—	—	—	(9.7)	(9.7)	—	(9.7)
Dividends declared	30	—	—	—	—	—	(419.2)	(419.2)	—	(419.2)
Transfer of revaluation reserve for office premises upon disposal or depreciation		—	—	—	—	(2.3)	2.3	—	—	—
Acquisition of subsidiaries and changes in ownership interest in subsidiaries		—	—	—	—	—	(4.3)	(4.3)	9.0	4.7
Recognition of liabilities reserve for buyout of non-controlling interest		—	—	—	—	(6.8)	—	(6.8)	—	(6.8)
Recognition of reserve for incentive programs for employees	28	—	—	—	—	2.8	—	2.8	—	2.8
Reclassification of revaluation reserve for office premises upon disposal of discontinued operations		—	—	—	—	(0.2)	0.2	—	—	—
Other movements		—	—	—	—	—	0.7	0.7	—	0.7
<i>Profit / (loss) for the year</i>		—	—	—	—	—	1,250.7	1,250.7	(4.8)	1,245.9
<i>Other comprehensive loss for the year</i>		—	—	—	—	(205.5)	—	(205.5)	—	(205.5)
Total comprehensive (loss) / income for the year		—	—	—	—	(205.5)	1,250.7	1,045.2	(4.8)	1,040.4
<b>Balance as at 31 December 2021</b>		<b>87.7</b>	<b>232.6</b>	<b>150.0</b>	<b>(33.3)</b>	<b>1.3</b>	<b>5,200.3</b>	<b>5,638.6</b>	<b>5.9</b>	<b>5,644.5</b>

## Consolidated Statement of Cash Flows

<i>in billions of Russian Roubles</i>	Note	Year ended 31 December	
		2021	2020
<b>Cash flows from operating activities</b>			
Interest income calculated using the effective interest method received		2,571.8	2,174.5
Other interest income received		151.8	113.0
Interest expense calculated using the effective interest method paid		(778.7)	(736.9)
Other interest expense paid		(24.5)	(13.9)
Deposit insurance expenses paid		(72.8)	(68.1)
Fees and commissions received		924.5	773.3
Fees and commissions paid		(286.5)	(219.5)
Net gains received on non-derivative financial instruments at fair value through profit or loss		10.7	4.1
Net gains received from financial instruments at fair value through other comprehensive income		4.1	21.3
Dividends received		11.6	5.6
Net gains received on derivatives, trading in foreign currencies and operations with precious metals		214.9	42.6
Revenue received from non-financial and other business activities		146.2	78.1
Expenses paid on non-financial and other business activities		(122.5)	(79.8)
Insurance premiums received		224.1	159.8
Claims, benefits and acquisition costs on insurance operations paid		(93.5)	(52.6)
Pension fund premiums received		23.2	20.1
Claims, benefits and acquisition costs on pension fund operations paid		(8.9)	(9.7)
Income received from operating lease of equipment		10.2	9.5
Expenses paid related to equipment leased out		(0.2)	(0.3)
Other net operating income received		40.8	25.6
Staff and administrative expenses paid		(759.1)	(674.6)
Income tax paid		(341.8)	(175.6)
<b>Cash flows from operating activities before changes in operating assets and liabilities</b>		<b>1,845.4</b>	<b>1,396.5</b>
<b>Changes in operating assets and liabilities</b>			
Net increase in mandatory cash balances with central banks		(32.5)	(35.4)
Net increase in due from banks		(339.6)	(81.4)
Net increase in loans and advances to customers		(4,476.7)	(2,637.8)
Net increase in securities and financial instruments pledged under repurchase agreements		(385.1)	(1,886.2)
Net increase in other assets		(160.6)	(40.2)
Net increase in due to banks		892.7	745.6
Net increase in due to individuals		1,441.4	1,974.3
Net increase in due to corporate customers		1,654.9	895.1
Net increase in debt securities in issue		70.4	256.9
Net increase in other borrowed funds		17.3	1.2
Net increase in obligations to deliver securities		70.8	23.5
Net increase in other liabilities		199.1	51.8
<b>Net cash from operating activities</b>		<b>797.5</b>	<b>663.9</b>

## Consolidated Statement of Cash Flows (continued)

<i>in billions of Russian Roubles</i>	Note	Year ended 31 December	
		2021	2020
<b>Cash flows from investing activities</b>			
Proceeds from disposal / derecognition of discontinued operations, net of cash and cash equivalents disposed of or derecognized		120.4	—
Acquisition of premises, equipment and intangible assets		(299.6)	(164.1)
Proceeds from disposal of premises, equipment and intangible assets		19.2	44.6
Proceeds from disposal of investment property		0.5	1.1
Acquisition and additional investments in associates and joint ventures		(54.8)	(15.9)
Proceeds from disposal of associates and joint ventures		14.7	39.9
Acquisition of subsidiaries net of cash and cash equivalents acquired		(23.6)	(10.1)
Proceeds from disposal of subsidiaries, net of cash and cash equivalents disposed of		2.2	0.1
<b>Net cash used in investing activities</b>		<b>(221.0)</b>	<b>(104.4)</b>
<b>Cash flows from financing activities</b>			
Funds received from subordinated debt issued or reissued		76.1	9.9
Redemption of subordinated debt		(11.6)	(21.9)
Cash received from non-controlling shareholders		0.3	0.7
Acquisition of non-controlling interests in subsidiaries		(3.9)	(3.0)
Purchase of treasury shares		(292.2)	(203.1)
Proceeds from disposal of treasury shares		278.3	209.4
Cash outflow to settle principal amount of lease liabilities		(19.2)	(16.1)
Dividends paid	30	(419.4)	(421.2)
Interest on perpetual subordinated loan paid		(9.7)	(5.2)
<b>Net cash used in financing activities</b>		<b>(401.3)</b>	<b>(450.5)</b>
Effect of exchange rate changes on cash and cash equivalents		(35.3)	184.6
Net effect of changes in cash and cash equivalents included in disposal groups except for discontinued operations		(0.2)	—
<b>Net increase in cash and cash equivalents</b>		<b>139.7</b>	<b>293.6</b>
<b>Cash and cash equivalents at the beginning of the year</b>		<b>2,376.8</b>	<b>2,083.2</b>
<b>Cash and cash equivalents of discontinued operations at the end of the year</b>	<b>13</b>	<b>107.2</b>	<b>—</b>
<b>Cash and cash equivalents of continuing operations at the end of the year</b>	<b>5</b>	<b>2,409.3</b>	<b>2,376.8</b>

### 1 Introduction

These consolidated financial statements of Sberbank of Russia (Sberbank, the “Bank”) and its subsidiaries (together referred to as the “Group”) have been prepared in accordance with International Financial Reporting Standards for the year ended 31 December 2021. Principal subsidiaries include Russian and foreign commercial banks and other companies controlled by the Group. A list of principal subsidiaries included in these consolidated financial statements is disclosed in Note 41.

The Bank is a public joint-stock commercial bank established in 1841 and operating in various forms since then. The Bank was incorporated and is domiciled in the Russian Federation.

Starting from April 2020 the Bank’s principal shareholder and the ultimate controlling party is the Russian Federation represented by the Government of the Russian Federation (through the Ministry of Finance of the Russian Federation (the “Ministry of Finance”)) which owns 52.3% of ordinary shares or 50.0% plus 1 share of the issued and outstanding ordinary and preference shares of the Bank. Before April 2020 the Bank’s principal and ultimate controlling shareholder was the Central Bank of the Russian Federation (the “Bank of Russia”) which owned 52.3% of ordinary shares or 50.0% plus 1 share of the issued and outstanding ordinary and preference shares of the Bank. In February 2020 the Bank of Russia and the Ministry of Finance announced that they reached an agreement on the sale of 50.0% plus 1 share in Sberbank’s share capital from the Bank of Russia, in April - May 2020 the transaction was closed.

As at 31 December 2021 the Supervisory Board of the Bank is headed by Anton G. Siluanov, the Minister of Finance of the Russian Federation. The Supervisory Board of the Bank includes representatives from the Bank, the Government, the Bank of Russia and independent directors.

The Bank operates under a general banking license issued by the Bank of Russia since 1991. In addition, the Bank holds licenses required for trading and holding securities and engaging in other securities-related activities, including acting as a broker, a dealer, a custodian. The Bank is regulated and supervised by the Bank of Russia as a united regulator for banking, insurance and financial markets activities in the Russian Federation. The Group’s banks / companies operate under the banking / companies regulatory regimes of their respective countries.

The Group’s principal business activity is corporate and retail banking. This includes, but is not limited to, deposit taking and commercial lending in freely convertible currencies, local currencies of countries where the subsidiary banks operate and in Russian Roubles, support of clients’ export / import transactions, foreign exchange, securities trading, and trading in derivative financial instruments. The Group also offers digital non-financial services in electronic commerce, FoodTech&Mobility, Health, Entertainment, cloud services, cybersecurity and other areas. The Group’s operations are conducted in both Russian and international markets. As at 31 December 2021 the Group conducts its business in Russia through Sberbank with its network of 11 (31 December 2020: 11) regional head offices, 76 (31 December 2020: 77) branches and 13,561 (31 December 2020: 14,085) banking offices, and through principal subsidiaries located in Russia such as Sberbank Leasing JSC, Sberbank Capital LLC, SB CIB Holding LLC, Sberbank Investments LLC, Non-state Pension Fund of Sberbank JSC, Insurance company “Sberbank life insurance” LLC, Insurance company “Sberbank insurance” LLC, Sberbank Factoring LLC, Digital Technologies LLC and Cetelem Bank LLC. The Group carries out banking operations in Belarus, Kazakhstan, Austria, Switzerland and also conducts operations through a branch office in India, representative offices in Germany and China and Group companies located in the United States of America, the United Kingdom, Cyprus and certain other jurisdictions. In November 2021 the Group signed an agreement on sale of the subsidiary banks located in Bosnia and Herzegovina, Croatia, Hungary, Serbia and Slovenia (Refer to Note 13).

The actual headcount of the Group’s full-time employees as at 31 December 2021 was 287,866 (31 December 2020: 285,555).

**Registered address and place of business.** The Bank’s registered address is: Vavilova str., 19, Moscow, Russian Federation.

**Presentation currency.** These consolidated financial statements are presented in Russian Roubles (“RR”). All amounts are expressed in RR billions unless otherwise stated.

## 2 Operating Environment of the Group

**Russian Federation.** The major part of the Group's operations is conducted in the Russian Federation.

Gradual liberalization by the Government of restrictive measures imposed in response to the COVID-19 pandemic led to a rapid recovery of economic activity in the Russian Federation.

At the end of 2021, GDP growth comprised 4.7%<sup>1</sup>, compared to a 2.7%<sup>1</sup> downfall in 2020. The most significant increase demonstrated personal consumption, which suffered mostly from the restrictions in 2020. The lowering of uncertainty concerning the further development of the economy also influenced recovery of investment activity. The GDP increase was partly held back by the recovery of import and a slight increase in physical volumes of export.

The relief of limitations on oil production under the OPEC+ agreement has put additional support to the industrial production. At the end of 2021, industrial production increased by 5.3%<sup>1</sup> compared to the decrease of 2.1%<sup>1</sup> in 2020.

Retail trade turnover increased by 7.3%<sup>1</sup> in 2021 after 3.2%<sup>1</sup> decrease in 2020. The recovery of consumer demand was supported by growth in household income including due to state one-off payments. The real disposable household income increased by 3.1%<sup>1</sup> in 2021 compared to 2.0%<sup>1</sup> decrease in 2020.

The labor market situation has improved in 2021. By the end of December 2021, the unemployment rate comprised 4.3%<sup>1</sup> versus 5.9%<sup>1</sup> in December 2020. However real accrued wages increased only by 2.8%<sup>1</sup> by the end of November 2021, while by the end of 2020 the growth was 3.8%<sup>1</sup>.

The public's propensity to accumulate savings has decreased. The share of cash income spent on savings in 2021 comprised 4.4%<sup>1</sup>. This ratio decreased in comparison to 9.1%<sup>1</sup> in 2020. The consumer confidence index which reflects the aggregate consumer expectations, in the fourth quarter of 2021 improved to -23.0% compared to -26.0%<sup>1</sup> in the fourth quarter of 2020.

Annualized inflation accelerated to 8.4%<sup>1</sup> by the end of December 2021 from 4.9%<sup>1</sup> by the end of December 2020. Upward pressure on prices throughout the year was exerted by anticipatory growth of internal demand, logistic limitations still kept and increase in world prices on commodity markets. To respond acceleration of inflation and rise of inflationary risks, the Bank of Russia increased its key rate by the end of 2021 to 8.5%<sup>2</sup> from 4.25%<sup>2</sup> at the end of 2020.

The average price for Urals oil at the end of 2021 increased to 68.8 US dollars per barrel versus 41.6 US dollars per barrel in 2020. Average price for Urals oil showed increase throughout the year: from 59.6 US dollars per barrel in the first quarter of 2021 to 78.0 US dollars per barrel in the fourth quarter of 2021.

In 2021 the volatility of the Russian Rouble exchange rate decreased given lower level of uncertainty concerning the consequences of the COVID-19 pandemic and the improvement of the situation in the oil and gas market. The average Russian Rouble exchange rate strengthened in the fourth quarter of 2021 to 72.6 rubles per US dollar compared to 74.3 Russian Roubles per US dollar in the first quarter of 2021. However average exchange rate in 2021 comprised 73.7 Russian Roubles per US dollar against 72.1 Russian Roubles per US dollar in 2020.

The current account surplus of the Russian Federation payments balance in 2021 increased to 120.3<sup>2</sup> billion US dollars (36.0<sup>2</sup> billion US dollars in 2020). The increase in the surplus is explained by the extension of trade exports due to growth of world prices for raw materials and rise in physical supplies. The extension of trade exports was partially offset by an increase in imports amid recovery of domestic demand and growth of world commodity prices. The extension of current account balance was slightly limited by a growth in the deficit of the balance of services and investment income. Private sector capital outflows totalled to US dollars 70.9<sup>2</sup> billion, compared to US dollars 54.2<sup>2</sup> billion in 2020. The main channel of outflow were direct investments by non-banking sector. Since the beginning of 2021, the external debt of the Russian Federation has increased by 11.0<sup>2</sup> billion US dollars to 478.2<sup>2</sup> billion US dollars.

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<sup>1</sup> Rosstat data

<sup>2</sup> Bank of Russia data, Russian Accounting Standards data

### 2 Operating Environment of the Group (continued)

The Russian banking sector net profit in 2021 totaled RR 2,363.0<sup>1</sup> billion compared to RR 1,608.0<sup>1</sup> billion a year earlier. The assets of the banking system in 2021 increased by 15.9%<sup>1</sup> (adjusted for currency revaluation) compared to 2020. The corporate loan portfolio increased by 11.7%<sup>1</sup> (adjusted for currency revaluation) supported by increased investment demand on the back of economic recovery, companies' intention to commit interest rates before their growth and shift to project financing in residential property construction. The retail loan portfolio increased by 23.2%<sup>1</sup> (adjusted for currency revaluation) led by active mortgage and unsecured lending amid low interest rates (with an allowance for inflation and inflationary expectations) throughout the year and realization of support programs for mortgage lending. The share of overdue debt in the corporate portfolio in December 2021 comprised 5.6%<sup>1</sup> versus 7.1%<sup>1</sup> in December 2020. The share of overdue debt in the retail portfolio decreased to 4.0%<sup>1</sup> in December 2021 from 4.7%<sup>1</sup> in December 2020. Individual deposits rose by 5.7%<sup>1</sup> at the end of 2021 (excluding escrow accounts and adjusted for currency revaluation), corporate accounts increased by 18.0%<sup>1</sup> (adjusted for currency revaluation).

The situation on the Russian stock markets in 2021 was favourable. By the end of 2021, the Moscow Exchange index grew by 15.1% compared to 2020; the RTS index grew by 15.0%.

International rating agencies retained their outlooks on the sovereign credit ratings of the Russian Federation. In 2021 Fitch has affirmed the long-term rating of the Russian Federation at the investment grade level of BBB with a stable outlook.

The changes in the economic environment, described above, have an impact on the Group's operations.

**Other jurisdictions.** In addition to Russia the Group conducts operations in Belarus, Kazakhstan, Austria, Switzerland and some other countries.

The economic environment in other countries of the Group's presence has also been affected by the COVID-19 pandemic.

The post-pandemic recovery of the Belarusian economy was limited by the growth of sanctions pressure from western countries. However, favorable trading terms in the first half of 2021 led to an increase in export volumes, which supported economic activity within the country. At the end of 2021 GDP growth comprised 2.3%<sup>2</sup>, after a reduction by 0.7%<sup>1</sup> in 2020. Industrial production demonstrated a 4.3%<sup>1</sup> growth in 2021, retail trade turnover increased also by 4.3%<sup>1</sup>. Real wages growth gradually slowed down and reached 2.7%<sup>1</sup> in December year-on-year. Just like in other countries of the region, inflation in the Republic of Belarus has rapidly accelerated. At the end of the year, prices increased by 10.0%<sup>1</sup>. The National Bank of the Republic of Belarus raised the refinancing rate twice by a total of 1.5<sup>3</sup> p.p. up to 9.25%<sup>2</sup>. The Belarusian Rouble remained stable on the back of growing export volumes. At the end of the year, the weakening of the currency amounted to 0.5%.

Throughout 2021, Kazakhstan has been recovering from the global pandemic and the decline in oil production. At the end of the year, the economy growth amounted to 4.0%<sup>4</sup> after downfall by 2.5%<sup>3</sup> in 2020. The recovery in economic activity was supported by strong domestic demand. Domestic trade also showed a rapid recovery. The growth in retail trade turnover amounted to 10.0%<sup>3</sup> at the end of the year, which was largely due to the expansion of consumer lending. The banking portfolio of consumer loans increased by 40.0%<sup>5</sup> over the year. The expansion of domestic demand, together with global factors, contributed to the acceleration of inflation. Price growth in December 2021 amounted to 8.4%<sup>3</sup> year-on-year, with the target range of the National Bank of the Republic of Kazakhstan being 4.0-6.0%. The regulator responded to inflationary challenges by tightening of monetary policy parameters. The National Bank of the Republic of Kazakhstan raised the rate three times, by a total of 0.75 p.p. up to 9.75%<sup>4</sup>. Volatility on the foreign exchange market in 2021 can be characterized as moderate: Tenge weakened by 3.1% over the year.

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<sup>1</sup> Bank of Russia data, Russian Accounting Standards data

<sup>2</sup> National Committee of statistics of the Republic of Belarus data

<sup>3</sup> National Bank of the Republic of Belarus data

<sup>4</sup> Bureau of National Statistics of the Republic of Kazakhstan data

<sup>5</sup> National Bank of the Republic of Kazakhstan data

### 2 Operating Environment of the Group (continued)

The economy of the countries of Central and Eastern Europe is highly dependent on the economic situation in the Euro zone. Growth in the Euro zone economy in 2021 was 5.2%<sup>1</sup>. The rapid recovery growth was due to both the low base of 2020 and successful COVID-19 vaccination campaigns. The public debt continued to grow on the back of the need to finance fiscal measures taken to mitigate economic and social consequences of the COVID-19 pandemic. Inflation comprised 5.0%<sup>5</sup>, while the European Central Bank left key interest rates unchanged, maintaining favorable financing conditions. Economic recovery in the countries of Central and Eastern Europe was also significant as in Euro zone as a whole. Mostly, economic growth was driven by strong consumer demand.

### 3 Critical Accounting Estimates and Judgements in Applying Accounting Policies

The Group makes estimates and assumptions that affect the amounts recognized in the consolidated financial statements, and the carrying amounts of assets and liabilities within the next financial year. Estimates and judgements are continually evaluated and are based on management's experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. Management also makes certain judgements, apart from those involving estimations, in the process of applying the accounting policies. Judgements that have the most significant effect on the amounts recognized in the consolidated financial statements and estimates that can cause a significant adjustment to the carrying amount of assets and liabilities within the next financial year include:

**Classification of financial assets.** Assessment of the business models within which the assets are held and assessment of whether the contractual terms of the financial asset are solely payments of principal and interest on the principal amount outstanding are disclosed in Note 43.

**Measurement of expected credit loss ("ECL") allowance.** The measurement of expected credit loss allowance for financial assets measured at amortized cost ("AC") and financial assets measured at fair value through other comprehensive income ("FVOCI") is an area that requires the use of complex models and significant assumptions about future economic conditions and credit behavior (e.g. the likelihood of customers defaulting and the resulting losses). Several significant judgements are also required in applying the accounting requirements for measuring ECL, such as:

- Determining criteria for significant increase in credit risk;
- Choosing appropriate models and assumptions for the measurement of ECL;
- Establishing the number and relative weightings of forward-looking scenarios for each type of product / market and the associated ECL;
- Establishing groups of similar financial assets for the purposes of measuring ECL;
- Assessment of the quality of data and measurement models for assets expected to be received as a result of procedures on settlement of problem loans.

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<sup>1</sup> Eurostat data

**3 Critical Accounting Estimates and Judgements in Applying Accounting Policies (continued)**

The credit loss allowance recognized for financial instruments is impacted by a variety of factors, as described below. The impact of these factors on credit loss allowance balance and charge for the year is presented in the notes related to the respective financial instruments.

- Transfers and corresponding remeasurement of credit loss allowances between Stage 1 (12-month ECL) and Stages 2 (Lifetime ECL not credit-impaired) or 3 (Lifetime ECL credit-impaired) due to balances experiencing significant increases (or decreases) of credit risk or becoming credit-impaired in the period, and the consequent "step up" (or "step down") between 12-month and lifetime ECL, as well as net remeasurement of credit loss allowance within the same stage;
- Additional allowances for newly originated or purchased financial instruments during the period;
- Changes to ECL measurement model assumptions and estimates due to changes in PDs, EADs and LGDs in the period;
- Remeasurement of credit loss allowance to reflect all contractually receivable interest due to the passage of time because ECL is measured on a present value basis;
- Financial assets derecognized during the period and write-offs of allowances related to assets that were written off during the period, as well as recoveries of amounts previously written off;
- Disposal of subsidiaries and reclassification of discontinued operations and non-current assets held for sale; and
- Exchange differences on translating foreign operations and assets denominated in foreign currencies, and other movements.

Information on the inputs, assumptions, estimation techniques and judgements used in measuring ECL is further detailed in Note 33. Definitions of terms related to ECL measurement are detailed in the Note 43.

The Group makes estimates and judgments, which are constantly analysed based on statistical data, actual and forecast information, as well as management experience, including expectations regarding future events that are reasonable in current circumstances.

The changes implemented by the Group in 2021 to the approaches used to measure expected credit loss allowance, allowed the Group to assess more accurately the level of risks and expected credit loss allowance.

In the first quarter of 2021 the Group has implemented a new model for assessing loss given default for loans to clients - holding companies which are residents of the Russian Federation. The result of this model implementation was a decrease of the expected credit loss allowance in the amount of RR 6.5 billion.

In the first quarter of 2021 the Group ceased to apply an early repayment model for mortgage and consumer loans to individuals for which significant increase of credit risk was observed. The result of this amendment was an increase in the expected credit loss allowance in the amount of RR 4.2 billion.

Starting from the third quarter of 2021 the Group used loss given default levels without taking into consideration conditions of economic slowdown when assessing expected credit losses for loans to individuals under default. The result of this amendment was a decrease in the expected credit loss allowance in the amount of RR 2.6 billion.

In the fourth quarter of 2021 the Group implemented new models of components of quantitative credit risk assessment for corporate loans portfolio which allowed the Group to make a more accurate assessment of expected credit loss allowance. The result of these models implementation was an increase in the expected credit loss allowance in the amount of RR 11.2 billion.

In the fourth quarter of 2021 the Group used loss given default levels without taking into consideration conditions of economic slowdown when assessing expected credit losses for corporate loans under default. The result of this amendment was a decrease in the expected credit loss allowance in the amount of RR 3.4 billion.

### 3 Critical Accounting Estimates and Judgements in Applying Accounting Policies (continued)

**Fair value of financial instruments.** The estimated fair value of financial instruments has been determined by the Group using available market information, where it exists, and appropriate valuation methodologies. However, judgement is necessarily required to interpret market data to determine the estimated fair value. The fair values of financial instruments that are not quoted in active markets are determined by using valuation techniques. To the extent practical, models use only observable data adjusted for credit quality of counterparties, however certain areas require Management to make other estimates. Changes in assumptions about these factors could affect reported fair values. The Russian Federation and certain other jurisdictions where the Group operates continues to display some characteristics of an emerging market and economic conditions continue to limit the volume of activity in the financial markets. Market quotations may be outdated or reflect distress sale transactions and therefore sometimes they may not represent fair values of financial instruments. Management has used all available market information in estimating the fair value of financial instruments. Refer to Note 36.

**Revaluation of office premises.** The Group regularly reviews the value of its office premises for comparability with fair value and performs revaluation to ensure that the current carrying amount of office premises does not materially differ from its fair value. Office premises have been revalued to market value as at 31 December 2020. The revaluation was performed based on the reports of independent appraisers, who hold a recognized and relevant professional qualification.

For premises for which market information for comparable transactions or sale offers was observed, including major premises located in Moscow (Vavilova street, 19 and Kutuzovskiy avenue, 32), sales comparison method was used. To estimate fair value of premises, adjustments to prices of comparable objects were applied. The valuation of premises for which comparable objects cannot be found within comparison approach framework and / or which were developed and constructed to fulfil the specific requirements of the Bank, was based on the replacement cost approach. Fair value was determined by adjusting replacement cost for the value of obsolescence determined based on chronological age.

As at 31 December 2021 the Group performed an analysis of the office premises' fair value and considered that their current carrying value does not significantly differ from their fair value.

Revalued premises are depreciated in accordance with their remaining useful lives since 1 January 2021. Refer to Note 12.

**Determining lease term.** The Group leases office buildings from third parties. Some of such contracts do not have contractual maturity dates and are automatically renewed unless either party submits a termination notice. The Group determines non-cancellable lease period for such leases, taking into consideration penalties that would be incurred upon termination, including economic disincentives to terminate such as leasehold improvements, cost of relocating or the importance of the premises to the Group's operations. As a result, the lease term for the most significant office buildings has been determined as a period of 2 - 10 years.

**Life insurance contract liabilities (including investment contract liabilities with discretionary participation features (the "DPF")).** The liability for life insurance contracts (including investment contracts with DPF) is either based on current assumptions or on assumptions established at the inception of the contract, reflecting the best estimate at the time of inception adjusted for risk and adverse changes. All contracts are subject to a liability adequacy test, which reflects management's best current estimate of future cash flows. The main assumptions used relate to mortality, morbidity, longevity, investment returns, expenses, lapse and surrender rates and discount rates. The Group bases mortality and morbidity on standard industry Russian mortality tables prepared by State Statistic Committee of Russian Federation, adjusted when appropriate to reflect the Group's unique risk exposure, product characteristics, target markets. Refer to Note 33.

**4 Adoption of New or Revised Standards and Interpretations, Reclassifications**

The following amended standards and interpretations became effective for the Group from 1 January 2021, but did not have any material impact on the Group:

***COVID-19-Related Rent Concessions Amendment to IFRS 16 (issued on 28 May 2020 and effective for annual periods beginning on or after 1 June 2020).*** The amendment provides lessees with relief in the form of an optional exemption from assessing whether a rent concession related to COVID-19 is a lease modification. Lessees can elect to account for rent concessions in the same way as if they were not lease modifications. The practical expedient only applies to rent concessions occurring as a direct consequence of the COVID-19 pandemic and only if all of the following conditions are met: the change in lease payments results in revised consideration for the lease that is substantially the same as, or less than, the consideration for the lease immediately preceding the change; any reduction in lease payments affects only payments due on or before 30 June 2021; and there is no substantive change to other terms and conditions of the lease. On 31 March 2021, in light of the on-going pandemic, the IASB published additional amendment to extend the date for the concessions from 30 June 2021 to 30 June 2022 (effective for annual periods beginning on or after 1 April 2021). The Group elected not to adopt the above mentioned amendment.

***Interest rate benchmark (IBOR) reform – phase 2 amendments to IFRS 9, IAS 39, IFRS 7, IFRS 4 and IFRS 16 (issued on 27 August 2020 and effective for annual periods beginning on or after 1 January 2021).*** The Phase 2 amendments address issues that arise from the implementation of the reforms, including the replacement of one benchmark with an alternative one. The amendments cover the following areas:

- Accounting for changes in the basis for determining contractual cash flows as a result of IBOR reform: For instruments to which the amortised cost measurement applies, the amendments require entities, as a practical expedient, to account for a change in the basis for determining the contractual cash flows as a result of IBOR reform by updating the effective interest rate using the guidance in paragraph B5.4.5 of IFRS 9. As a result, no immediate gain or loss is recognised. This practical expedient applies only to such a change and only to the extent it is necessary as a direct consequence of IBOR reform, and the new basis is economically equivalent to the previous basis. Insurers applying the temporary exemption from IFRS 9 are also required to apply the same practical expedient. IFRS 16 was also amended to require lessees to use a similar practical expedient when accounting for lease modifications that change the basis for determining future lease payments as a result of IBOR reform.
- End date for Phase 1 relief for non-contractually specified risk components in hedging relationships: The Phase 2 amendments require an entity to prospectively cease to apply the Phase 1 reliefs to a non-contractually specified risk component at the earlier of when changes are made to the non-contractually specified risk component, or when the hedging relationship is discontinued. No end date was provided in the Phase 1 amendments for risk components.
- Additional temporary exceptions from applying specific hedge accounting requirements: The Phase 2 amendments provide some additional temporary reliefs from applying specific IAS 39 and IFRS 9 hedge accounting requirements to hedging relationships directly affected by IBOR reform.
- Additional IFRS 7 disclosures related to IBOR reform: The amendments require disclosure of: (i) how the entity is managing the transition to alternative benchmark rates, its progress and the risks arising from the transition; (ii) quantitative information about derivatives and non-derivatives that have yet to transition, disaggregated by significant interest rate benchmark; and (iii) a description of any changes to the risk management strategy as a result of IBOR reform.

### 4 Adoption of New or Revised Standards and Interpretations, Reclassifications (Continued)

Under these amendments, changes to the basis for determining the contractual cash flows are reflected by adjusting the effective interest rate. No immediate gain or loss is recognised. The same practical expedient exists for lease liabilities. These revisions of effective interest rate are only applicable when the change is necessary as a direct consequence of interest rate benchmark reform and the new basis for determining the contractual cash flows is economically equivalent to the previous basis. Where some or all of a change in the basis for determining the contractual cash flows of a financial asset and liability does not meet the above criteria, the above practical expedient is first applied to the changes required by interest rate benchmark reform, including updating the instrument's effective interest rate. Any additional changes result in a modification or derecognition gain or loss. If lease modifications are made in addition to those required by the IBOR reform, the normal requirements of IFRS 16 are applied to the entire lease modification, including the changes required by the IBOR reform.

**Effect of IBOR reform.** Reform and replacement of various inter-bank offered rates ('IBORs') has become a priority for regulators. Many IBOR rates stopped being published on 31 December 2021, while certain USD LIBOR rates would stop being published by 30 June 2023.

The table below discloses amounts of non-derivative financial assets and liabilities and derivative contracts at 31 December 2021 that would be transitioned to alternative interest rate benchmarks:

<i>in billions of Russian Roubles</i>	USD LIBOR	LIBOR in other currencies	Total
<b>NON-DERIVATIVE FINANCIAL ASSETS</b>			
Due from banks (before credit loss allowance)	1.1	—	1.1
Loans and advances to customers (before credit loss allowance)	527.7	—	527.7
Securities (measured at fair value through profit or loss)	1.2	0.6	1.8
<b>TOTAL NON-DERIVATIVE FINANCIAL ASSETS</b>	<b>530.0</b>	<b>0.6</b>	<b>530.6</b>
Derivative financial assets (fair value)	56.6	0.1	56.7
Derivative financial liabilities (fair value)	42.2	—	42.2

The Group is exposed to a risk that the liquidity of the above financial instruments would start to decrease, as the volume of operations with traditional IBOR-based financial instruments is shrinking. The Group is also exposed to a risk of the potential arbitrage differences between IBOR interest rates and the applicable alternative rates.

The Group is working with its customers and other counterparties to perform a transition of legacy IBOR-based financial instruments to alternative benchmark interest rates and develop new financial products for its customers. The Group is also enhancing its IT systems and internal processes to ensure smooth transition from IBOR to alternative benchmark interest rates.

### 4 Adoption of New or Revised Standards and Interpretations, Reclassifications (Continued)

**Changes in presentation and reclassifications.** In these consolidated financial statements the Group changed presentation of saving certificates and promissory notes issued by the Group by reclassifying them from “Debt securities in issue” line in the consolidated statement of financial position: saving certificates were reclassified to “Due to individuals” and promissory notes were reclassified to “Due to corporate customers” lines.

The effect of changes on the consolidated statement of financial position as at 31 December 2020 is as follows:

<i>in billions of Russian Roubles</i>	<b>As previously reported</b>	<b>Reclassification</b>	<b>As reclassified</b>
Due to individuals	16,641.0	14.7	16,655.7
Due to corporate customers	9,124.7	55.3	9,180.0
Debt securities in issue	884.2	(70.0)	814.2

The effect of the reclassification mentioned above on the consolidated statement of cash flows for the year ended 31 December 2020 is as follows:

<i>in billions of Russian Roubles</i>	<b>As previously reported</b>	<b>Reclassification</b>	<b>As reclassified</b>
<b>Changes in operating assets and liabilities</b>			
Net increase in due to individuals	1,992.0	(17.7)	1,974.3
Net increase in due to corporate customers	922.7	(27.6)	895.1
Net (decrease) / increase in debt securities in issue	211.6	45.3	256.9

Also, the Group changed presentation of the consolidated statement of profit or loss due to reclassification of value added tax expense related to acquisition costs on insurance and pension fund operations from staff and administrative expenses to net claims, benefits, changes in contract liabilities and acquisition costs from insurance and pension fund operations.

Management considers that the amended presentation results in a more informative and relevant presentation of the financial information and is more consistent with the market practice.

Also in these consolidated financial statements the Group changed presentation of the consolidated statement of profit or loss and the consolidated statement of comprehensive income due to separate presentation of discontinued operations of Sberbank Europe AG and some other subsidiaries. Refer to Note 13.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 4 Adoption of New or Revised Standards and Interpretations, Reclassifications (continued)

The effect of changes on the consolidated statement of profit and loss for the year ended 31 December 2020 is as follows:

<i>in billions of Russian Roubles</i>	As previously reported	Reclassification	As reclassified
Interest income calculated using the effective interest method	2,282.2	(21.8)	2,260.4
Other interest income	117.1	(0.3)	116.8
Interest expense calculated using the effective interest method	(706.4)	2.9	(703.5)
Deposit insurance expenses	(63.6)	0.7	(62.9)
Net credit loss allowance charge for debt financial assets	(412.0)	23.4	(388.6)
Fee and commission income	775.3	(9.1)	766.2
Fee and commission expense	(222.7)	1.8	(220.9)
Net gains / (losses) from non-derivative financial instruments at fair value through profit or loss	(47.7)	(0.1)	(47.8)
Net gains from financial instruments at fair value through other comprehensive income	21.1	0.2	21.3
Net gains from derivatives, trading in foreign currencies, foreign exchange and precious metals accounts translation	61.9	(1.2)	60.7
Net losses arising on initial recognition and modification of financial instruments measured at amortized cost	(45.7)	0.5	(45.2)
Net charge for other provisions and allowances	(32.3)	20.1	(12.2)
Other net operating income	36.2	(0.4)	35.8
Net claims, benefits, change in contract liabilities and acquisition costs on insurance and pension fund operations	(183.4)	(4.2)	(187.6)
Staff and administrative expenses	(759.8)	21.3	(738.5)
Income tax expense	(190.5)	(2.8)	(193.3)
Profit / (loss) from discontinued operations (attributable to shareholders of the Bank)	8.5	(31.0)	(22.5)
Earnings per ordinary share based on profit from continuing operations attributable to the shareholders of the Bank, basic and diluted (expressed in RR per share)	33.96	1.45	35.41

The effect of changes on the consolidated statement of comprehensive income for the year ended 31 December 2020 is as follows:

<i>in billions of Russian Roubles</i>	As previously reported	Reclassification	As reclassified
<i>Items to be reclassified to profit or loss in subsequent periods</i>			
Debt financial instruments measured at fair value through other comprehensive income:			
- Net change in fair value, net of tax	55.8	(0.1)	55.7
Exchange differences on translating foreign operations	60.2	(17.1)	43.1
Total other comprehensive income of discontinued operations to be reclassified to profit or loss upon disposal, net of tax	—	17.2	17.2
<b>Total comprehensive income for the year, attributable to shareholders of the Bank from:</b>			
- continuing operations	848.3	13.8	862.1
- discontinued operations	8.5	(13.8)	(5.3)

**5 Cash and Cash Equivalents**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Cash and cash equivalents at amortized cost	2,391.4	2,371.4
Cash and cash equivalents at fair value through profit or loss	17.9	5.4
<b>Total cash and cash equivalents</b>	<b>2,409.3</b>	<b>2,376.8</b>

**Cash and cash equivalents at amortized cost**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Cash on hand	800.5	625.5
Cash balances with the Bank of Russia (other than mandatory reserve deposits)	1,040.0	829.4
Correspondent accounts and placements with other banks:		
- Russian Federation	102.3	46.1
- Other countries	384.2	855.7
Reverse repo agreements	64.4	14.7
<b>Total cash and cash equivalents at amortized cost</b>	<b>2,391.4</b>	<b>2,371.4</b>

**5 Cash and Cash Equivalents (continued)**

As at 31 December 2021 and 31 December 2020 correspondent accounts and placements with banks and reverse repo agreements are represented by balances with original maturities up to 1 business day mainly with the top and well-known foreign and Russian banks, financial companies and corporate customers.

The table below discloses the credit quality of correspondent accounts and placements with banks and reverse repo agreements measured at amortized cost based on credit risk grades as at 31 December 2021.

<i>in billions of Russian Roubles</i>	<b>Minimum credit risk</b>	<b>Low credit risk</b>	<b>Total</b>
Correspondent accounts and placements with other banks	447.5	39.0	486.5
Reverse repo agreements	64.4	—	64.4
<b>Total correspondent accounts and placements with banks and reverse repo agreements at amortized cost</b>	<b>511.9</b>	<b>39.0</b>	<b>550.9</b>

The table below discloses the credit quality of correspondent accounts and placements with banks and reverse repo agreements measured at amortized cost based on credit risk grades as at 31 December 2020.

<i>in billions of Russian Roubles</i>	<b>Minimum credit risk</b>	<b>Low credit risk</b>	<b>Moderate credit risk</b>	<b>Total</b>
Correspondent accounts and placements with other banks	801.2	80.5	20.1	901.8
Reverse repo agreements	14.7	—	—	14.7
<b>Total correspondent accounts and placements with banks and reverse repo agreements at amortized cost</b>	<b>815.9</b>	<b>80.5</b>	<b>20.1</b>	<b>916.5</b>

Refer to Note 33 for the description of credit risk grading system used by the Group. The carrying amount of cash and cash equivalents as at 31 December 2021 and 31 December 2020 also represents the Group's maximum exposure to credit risk on these assets.

For the purpose of ECL measurement cash and cash equivalents balances are included in Stage 1. The ECL for these balances represents an insignificant amount, therefore the Group did not create any credit loss allowance for cash and cash equivalents. Refer to Note 33 for the ECL measurement approach.

As at 31 December 2021 and 31 December 2020 cash and cash equivalents measured at amortized cost are neither past due nor impaired.

**Cash and cash equivalents at fair value through profit or loss**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Reverse repo agreements	17.9	5.4
<b>Total cash and cash equivalents at fair value through profit or loss</b>	<b>17.9</b>	<b>5.4</b>

As at 31 December 2021 and 31 December 2020 cash and cash equivalents measured at fair value through profit or loss ("FVPL") were not past due.

Refer to Note 37 for the information on the fair value of securities received under reverse sale and repurchase agreements classified as cash and cash equivalents.

The estimated fair value of cash and cash equivalents is disclosed in Note 36. Currency and maturity analyses of cash and cash equivalents are disclosed in Note 33. The information on related parties balances as well as state-controlled entities and government bodies balances is disclosed in Notes 39 and 40.

**6 Due from Banks**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Due from banks at amortized cost	821.0	671.6
Due from banks at fair value through profit or loss	711.5	540.7
<b>Total due from banks</b>	<b>1,532.5</b>	<b>1,212.3</b>

**Due from banks at amortized cost**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Term placements with banks:		
- Russian Federation	161.9	54.0
- Other countries	80.9	116.6
Reverse repo agreements with banks	578.8	501.5
<b>Gross carrying amount of due from banks at amortized cost</b>	<b>821.6</b>	<b>672.1</b>
Credit loss allowance	(0.6)	(0.5)
<b>Total due from banks at amortized cost</b>	<b>821.0</b>	<b>671.6</b>

As at 31 December 2021 and 31 December 2020 term placements with banks and reverse repo agreements are represented by balances with original maturities over 1 business day mainly with the top and well-known foreign and Russian banks.

The following table contains an analysis of due from banks balances by credit quality at 31 December 2021 based on credit risk grades and discloses due from banks balances by three stages for the purpose of ECL measurement. Refer to Note 33 for the description of credit risk grading system used by the Group and the approach to ECL measurement of due from banks balances.

<i>in billions of Russian Roubles</i>	<b>12-month ECL</b>	<b>Lifetime ECL not credit- impaired</b>	<b>Total</b>
<b>Term placements with banks</b>			
Minimum credit risk	74.8	—	74.8
Low credit risk	159.9	—	159.9
Moderate credit risk	5.8	2.3	8.1
<b>Gross carrying amount of term placements with banks</b>	<b>240.5</b>	<b>2.3</b>	<b>242.8</b>
Credit loss allowance	(0.3)	(0.3)	(0.6)
<b>Total term placements with banks</b>	<b>240.2</b>	<b>2.0</b>	<b>242.2</b>
<b>Reverse repo agreements with banks</b>			
Minimum credit risk	575.8	—	575.8
Low credit risk	3.0	—	3.0
<b>Gross carrying amount of reverse repo agreements with banks</b>	<b>578.8</b>	<b>—</b>	<b>578.8</b>
<b>Total reverse repo agreements with banks</b>	<b>578.8</b>	<b>—</b>	<b>578.8</b>
<b>Total due from banks (gross carrying amount)</b>	<b>819.3</b>	<b>2.3</b>	<b>821.6</b>
Credit loss allowance	(0.3)	(0.3)	(0.6)
<b>Total due from banks at amortized cost</b>	<b>819.0</b>	<b>2.0</b>	<b>821.0</b>

**6 Due from Banks (continued)**

The following table contains an analysis of due from banks balances by credit quality at 31 December 2020 based on credit risk grades and discloses due from banks balances by three stages for the purpose of ECL measurement.

<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Total
<b>Term placements with banks</b>				
Minimum credit risk	17.9	—	—	17.9
Low credit risk	151.7	0.9	—	152.6
Default	—	—	0.1	0.1
<b>Gross carrying amount of term placements with banks</b>	<b>169.6</b>	<b>0.9</b>	<b>0.1</b>	<b>170.6</b>
Credit loss allowance	(0.3)	—	(0.1)	(0.4)
<b>Total term placements with banks</b>	<b>169.3</b>	<b>0.9</b>	<b>—</b>	<b>170.2</b>
<b>Reverse repo agreements with banks</b>				
Minimum credit risk	466.1	—	—	466.1
Low credit risk	35.4	—	—	35.4
<b>Gross carrying amount of reverse repo agreements with banks</b>	<b>501.5</b>	<b>—</b>	<b>—</b>	<b>501.5</b>
Credit loss allowance	(0.1)	—	—	(0.1)
<b>Total reverse repo agreements with banks</b>	<b>501.4</b>	<b>—</b>	<b>—</b>	<b>501.4</b>
<b>Total due from banks (gross carrying amount)</b>	<b>671.1</b>	<b>0.9</b>	<b>0.1</b>	<b>672.1</b>
<b>Credit loss allowance</b>	<b>(0.4)</b>	<b>—</b>	<b>(0.1)</b>	<b>(0.5)</b>
<b>Total due from banks at amortized cost</b>	<b>670.7</b>	<b>0.9</b>	<b>—</b>	<b>671.6</b>

The carrying amount of due from banks balances at 31 December 2021 and 31 December 2020 also represents the Group's maximum exposure to credit risk on these assets.

As at 31 December 2021 there were no term placements with banks which were past due (31 December 2020: there were past due term placements with banks with gross carrying amount of RR 0.1 billion).

**Due from banks at fair value through profit or loss**

<i>in billions of Russian Roubles</i>	31 December 2021	31 December 2020
Term placements with banks:		
- Russian Federation	1.7	1.4
- Other countries	33.6	40.2
Reverse repo agreements with banks	676.2	499.1
<b>Total due from banks at fair value through profit or loss</b>	<b>711.5</b>	<b>540.7</b>

As at 31 December 2021 and 31 December 2020 all term placements with banks and reverse repo agreements at fair value through profit or loss are not past due.

Refer to Note 37 for the information on the fair value of securities received under reverse sale and repurchase agreements classified as due from banks.

The estimated fair value of due from banks and reverse repo agreements and fair value measurement technique used are disclosed in Note 36. Currency and maturity analyses of due from banks are disclosed in Note 33. The information on related parties balances as well as state-controlled entities and government bodies balances is disclosed in Notes 39 and 40.

### 7 Loans and Advances to Customers

	31 December 2021	31 December 2020
<i>in billions of Russian Roubles</i>		
Loans and advances to customers at amortized cost	25,693.5	22,262.8
Loans and advances to customers at fair value through profit or loss	1,402.0	1,123.6
<b>Total loans and advances to customers</b>	<b>27,095.5</b>	<b>23,386.4</b>

#### Loans and advances to customers at amortized cost

	31 December 2021		
<i>in billions of Russian Roubles</i>	Gross carrying amount	Credit loss allowance	Amortized cost
Commercial loans to legal entities	11,485.9	(583.0)	10,902.9
Project finance loans to legal entities	4,245.4	(298.9)	3,946.5
Mortgage loans to individuals	6,598.9	(57.9)	6,541.0
Consumer and other loans to individuals	3,685.8	(332.1)	3,353.7
Credit cards and overdrafts to individuals	905.3	(139.3)	766.0
Car loans to individuals	194.2	(10.8)	183.4
<b>Total loans and advances to customers at amortized cost</b>	<b>27,115.5</b>	<b>(1,422.0)</b>	<b>25,693.5</b>

	31 December 2020		
<i>in billions of Russian Roubles</i>	Gross carrying amount	Credit loss allowance	Amortized cost
Commercial loans to legal entities	12,084.0	(859.5)	11,224.5
Project finance loans to legal entities	2,545.7	(257.3)	2,288.4
Mortgage loans to individuals	5,219.3	(70.8)	5,148.5
Consumer and other loans to individuals	3,055.1	(287.6)	2,767.5
Credit cards and overdrafts to individuals	828.7	(136.3)	692.4
Car loans to individuals	152.2	(10.7)	141.5
<b>Total loans and advances to customers at amortized cost</b>	<b>23,885.0</b>	<b>(1,622.2)</b>	<b>22,262.8</b>

Commercial loans to legal entities comprise corporate loans, loans to individual entrepreneurs, federal and municipal authorities. Loans are granted for current needs (working capital financing, acquisition of movable and immovable property), portfolio investments, expansion and consolidation of business, etc. The repayment source is cash flow from current production and financial activities of the borrower.

Project finance loans to legal entities include investment and construction project financing and also developers' financing. As a rule, loan terms are linked to project payback periods or contract execution periods and exceed the terms of commercial loans to legal entities. The principal and interest may be repaid from cash flows generated by the project at the stage of its commercial operation.

Mortgage loans to individuals include loans for acquisition, construction and reconstruction of real estate. These loans are mostly long-term and are collateralized by real estate.

Consumer and other loans to individuals comprise loans to individuals other than housing acquisition, construction and repair of real estate as well as car loans and credit cards and overdrafts. These loans include loans for current needs.

Credit cards and overdrafts to individuals represent revolving credit lines. These loans are considered a comfortable instrument for customers as a reserve source of funds in case of need available everywhere and anytime. Interest rates for such loans are higher than for consumer loans as they carry higher risks for the Group.

Car loans to individuals include loans for purchasing a car or other vehicle.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

The tables below show the credit quality analysis of the Group's loans and advances to customers at amortized cost as at 31 December 2021 and 31 December 2020. Credit quality in the table below is based on the credit risk grades developed internally by the Group. Refer to Note 33 for the description of credit risk grading system used by the Group and the approach to ECL measurement of loans and advances to customers.

	31 December 2021				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Commercial loans to legal entities</b>					
Minimum credit risk	1,731.3	0.7	—	—	1,732.0
Low credit risk	7,464.0	256.8	—	—	7,720.8
Moderate credit risk	641.0	733.4	—	—	1,374.4
High credit risk	0.4	87.5	—	—	87.9
Default	—	—	546.0	24.8	570.8
<b>Gross carrying amount of commercial loans to legal entities</b>	<b>9,836.7</b>	<b>1,078.4</b>	<b>546.0</b>	<b>24.8</b>	<b>11,485.9</b>
Credit loss allowance	(62.3)	(148.1)	(364.2)	(8.4)	(583.0)
<b>Total commercial loans to legal entities</b>	<b>9,774.4</b>	<b>930.3</b>	<b>181.8</b>	<b>16.4</b>	<b>10,902.9</b>

	31 December 2020				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Commercial loans to legal entities</b>					
Minimum credit risk	1,123.0	1.8	—	—	1,124.8
Low credit risk	7,738.5	391.4	—	—	8,129.9
Moderate credit risk	979.9	916.2	—	—	1,896.1
High credit risk	2.9	114.1	—	—	117.0
Default	—	—	793.6	22.6	816.2
<b>Gross carrying amount of commercial loans to legal entities</b>	<b>9,844.3</b>	<b>1,423.5</b>	<b>793.6</b>	<b>22.6</b>	<b>12,084.0</b>
Credit loss allowance	(90.5)	(203.6)	(557.0)	(8.4)	(859.5)
<b>Total commercial loans to legal entities</b>	<b>9,753.8</b>	<b>1,219.9</b>	<b>236.6</b>	<b>14.2</b>	<b>11,224.5</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	31 December 2021				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Project finance loans to legal entities</b>					
Minimum credit risk	465.4	—	—	—	465.4
Low credit risk	2,595.5	70.3	—	—	2,665.8
Moderate credit risk	566.3	226.0	—	—	792.3
High credit risk	3.3	26.9	—	—	30.2
Default	—	—	286.9	4.8	291.7
<b>Gross carrying amount of project finance loans to legal entities</b>	<b>3,630.5</b>	<b>323.2</b>	<b>286.9</b>	<b>4.8</b>	<b>4,245.4</b>
Credit loss allowance	(49.3)	(68.0)	(180.0)	(1.6)	(298.9)
<b>Total project finance loans to legal entities</b>	<b>3,581.2</b>	<b>255.2</b>	<b>106.9</b>	<b>3.2</b>	<b>3,946.5</b>

	31 December 2020				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Project finance loans to legal entities</b>					
Minimum credit risk	118.8	8.4	—	—	127.2
Low credit risk	1,269.4	44.9	—	—	1,314.3
Moderate credit risk	661.1	87.6	—	—	748.7
High credit risk	0.5	35.8	—	3.0	39.3
Default	—	—	315.4	0.8	316.2
<b>Gross carrying amount of project finance loans to legal entities</b>	<b>2,049.8</b>	<b>176.7</b>	<b>315.4</b>	<b>3.8</b>	<b>2,545.7</b>
Credit loss allowance	(43.6)	(25.6)	(187.9)	(0.2)	(257.3)
<b>Total project finance loans to legal entities</b>	<b>2,006.2</b>	<b>151.1</b>	<b>127.5</b>	<b>3.6</b>	<b>2,288.4</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	31 December 2021				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Mortgage loans to individuals</b>					
Minimum credit risk	4,920.2	29.3	—	—	4,949.5
Low credit risk	1,316.3	174.6	—	—	1,490.9
Moderate credit risk	10.1	94.1	—	—	104.2
High credit risk	—	6.5	—	—	6.5
Default	—	—	47.8	—	47.8
<b>Gross carrying amount of mortgage loans to individuals</b>	<b>6,246.6</b>	<b>304.5</b>	<b>47.8</b>	<b>—</b>	<b>6,598.9</b>
Credit loss allowance	(8.9)	(15.2)	(33.8)	—	(57.9)
<b>Total mortgage loans to individuals</b>	<b>6,237.7</b>	<b>289.3</b>	<b>14.0</b>	<b>—</b>	<b>6,541.0</b>

	31 December 2020				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Mortgage loans to individuals</b>					
Minimum credit risk	4,053.8	29.6	—	—	4,083.4
Low credit risk	766.8	183.7	—	—	950.5
Moderate credit risk	12.0	87.5	—	—	99.5
High credit risk	—	14.4	—	0.1	14.5
Default	—	—	70.6	0.8	71.4
<b>Gross carrying amount of mortgage loans to individuals</b>	<b>4,832.6</b>	<b>315.2</b>	<b>70.6</b>	<b>0.9</b>	<b>5,219.3</b>
Credit loss allowance	(9.6)	(12.1)	(48.6)	(0.5)	(70.8)
<b>Total mortgage loans to individuals</b>	<b>4,823.0</b>	<b>303.1</b>	<b>22.0</b>	<b>0.4</b>	<b>5,148.5</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	31 December 2021				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Consumer and other loans to individuals</b>					
Minimum credit risk	495.1	0.6	—	—	495.7
Low credit risk	2,496.2	30.7	—	—	2,526.9
Moderate credit risk	286.1	60.2	—	—	346.3
High credit risk	4.5	42.0	—	—	46.5
Default	—	—	270.4	—	270.4
<b>Gross carrying amount of consumer and other loans to individuals</b>	<b>3,281.9</b>	<b>133.5</b>	<b>270.4</b>	<b>—</b>	<b>3,685.8</b>
Credit loss allowance	(56.7)	(23.0)	(252.4)	—	(332.1)
<b>Total consumer and other loans to individuals</b>	<b>3,225.2</b>	<b>110.5</b>	<b>18.0</b>	<b>—</b>	<b>3,353.7</b>

	31 December 2020				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Consumer and other loans to individuals</b>					
Minimum credit risk	415.9	0.6	—	—	416.5
Low credit risk	1,998.3	31.3	—	—	2,029.6
Moderate credit risk	264.2	61.4	—	—	325.6
High credit risk	5.1	43.0	—	—	48.1
Default	—	—	235.3	—	235.3
<b>Gross carrying amount of consumer and other loans to individuals</b>	<b>2,683.5</b>	<b>136.3</b>	<b>235.3</b>	<b>—</b>	<b>3,055.1</b>
Credit loss allowance	(46.3)	(25.4)	(215.9)	—	(287.6)
<b>Total consumer and other loans to individuals</b>	<b>2,637.2</b>	<b>110.9</b>	<b>19.4</b>	<b>—</b>	<b>2,767.5</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	31 December 2021				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Credit cards and overdrafts to individuals</b>					
Minimum credit risk	13.4	0.1	—	—	13.5
Low credit risk	712.8	0.1	—	—	712.9
Moderate credit risk	26.3	19.2	—	—	45.5
High credit risk	—	6.3	—	—	6.3
Default	—	—	127.1	—	127.1
<b>Gross carrying amount of credit cards and overdrafts to individuals</b>	<b>752.5</b>	<b>25.7</b>	<b>127.1</b>	<b>—</b>	<b>905.3</b>
Credit loss allowance	(14.0)	(10.5)	(114.8)	—	(139.3)
<b>Total credit cards and overdrafts to individuals</b>	<b>738.5</b>	<b>15.2</b>	<b>12.3</b>	<b>—</b>	<b>766.0</b>

	31 December 2020				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Credit cards and overdrafts to individuals</b>					
Minimum credit risk	95.6	0.1	—	—	95.7
Low credit risk	544.7	2.7	—	—	547.4
Moderate credit risk	20.7	28.5	—	—	49.2
High credit risk	—	11.8	—	—	11.8
Default	—	—	124.6	—	124.6
<b>Gross carrying amount of credit cards and overdrafts to individuals</b>	<b>661.0</b>	<b>43.1</b>	<b>124.6</b>	<b>—</b>	<b>828.7</b>
Credit loss allowance	(12.5)	(11.6)	(112.2)	—	(136.3)
<b>Total credit cards and overdrafts to individuals</b>	<b>648.5</b>	<b>31.5</b>	<b>12.4</b>	<b>—</b>	<b>692.4</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	31 December 2021				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Car loans to individuals</b>					
Minimum credit risk	3.0	—	—	—	3.0
Low credit risk	177.2	0.2	—	—	177.4
Moderate credit risk	0.8	0.1	—	—	0.9
High credit risk	—	0.7	—	—	0.7
Default	—	—	12.2	—	12.2
<b>Gross carrying amount of car loans to individuals</b>	<b>181.0</b>	<b>1.0</b>	<b>12.2</b>	<b>—</b>	<b>194.2</b>
Credit loss allowance	(1.1)	(0.3)	(9.4)	—	(10.8)
<b>Total car loans to individuals</b>	<b>179.9</b>	<b>0.7</b>	<b>2.8</b>	<b>—</b>	<b>183.4</b>

	31 December 2020				
<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Purchased/ originated credit- impaired	Total
<b>Car loans to individuals</b>					
Minimum credit risk	1.8	—	—	—	1.8
Low credit risk	136.8	0.2	—	—	137.0
Moderate credit risk	0.8	—	—	—	0.8
High credit risk	—	0.7	—	—	0.7
Default	—	—	11.9	—	11.9
<b>Gross carrying amount of car loans to individuals</b>	<b>139.4</b>	<b>0.9</b>	<b>11.9</b>	<b>—</b>	<b>152.2</b>
Credit loss allowance	(0.9)	(0.3)	(9.5)	—	(10.7)
<b>Total car loans to individuals</b>	<b>138.5</b>	<b>0.6</b>	<b>2.4</b>	<b>—</b>	<b>141.5</b>

The following tables explain the changes in the credit loss allowance and gross carrying amount of loans and advances to customers at amortized cost between the beginning and the end of the reporting period due to the factors described in Note 3. Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year ended 31 December 2021 in the tables below include results of discontinued operations for the period up to the date of reclassification to discontinued operations.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	Credit loss allowance					Gross carrying amount				
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/originated credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/originated credit-impaired	Total
<i>in billions of Russian Roubles</i>										
<b>Total loans and advances to customers at amortized cost</b>										
<b>At 1 January 2021</b>	<b>203.4</b>	<b>278.6</b>	<b>1,131.1</b>	<b>9.1</b>	<b>1,622.2</b>	<b>20,210.6</b>	<b>2,095.7</b>	<b>1,551.4</b>	<b>27.3</b>	<b>23,885.0</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>										
Transfers and corresponding remeasurement of credit loss allowances:										
- to 12-month ECL	16.4	(61.8)	(12.7)	—	(58.1)	838.8	(815.6)	(23.2)	—	—
- to lifetime ECL not credit-impaired	(31.7)	205.1	(25.5)	—	147.9	(1,348.8)	1,412.3	(63.5)	—	—
- to lifetime ECL credit-impaired	(3.4)	(102.6)	221.0	—	115.0	(49.5)	(306.9)	356.4	—	—
Changes to ECL measurement model assumptions and estimates	(0.3)	6.3	(3.1)	—	2.9	(25.1)	25.6	(0.5)	—	—
Net remeasurement of credit loss allowance within the same stage	(45.0)	34.8	(6.1)	3.0	(13.3)	—	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	143.3	54.8	78.4	—	276.5	15,732.9	341.0	111.2	13.0	16,198.1
Derecognised and impact of other decreases in gross carrying amount	(81.9)	(84.0)	(161.3)	(1.9)	(329.1)	(11,000.5)	(702.1)	(320.2)	(6.9)	(12,029.7)
Other movements	—	—	—	—	—	(6.6)	(0.1)	(4.4)	0.5	(10.6)
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>(2.6)</b>	<b>52.6</b>	<b>90.7</b>	<b>1.1</b>	<b>141.8</b>	<b>4,141.2</b>	<b>(45.8)</b>	<b>55.8</b>	<b>6.6</b>	<b>4,157.8</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>(2.0)</b>	<b>(11.2)</b>	<b>(2.3)</b>	<b>—</b>	<b>(15.5)</b>	<b>32.7</b>	<b>(25.8)</b>	<b>(9.5)</b>	<b>(0.1)</b>	<b>(2.7)</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>										
Write-offs	—	—	(138.0)	—	(138.0)	—	—	(138.0)	—	(138.0)
Foreign exchange differences and exchange differences on translating foreign operations	(1.8)	(2.0)	(3.9)	(0.1)	(7.8)	(83.8)	(11.3)	(4.9)	(0.1)	(100.1)
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	50.1	—	50.1	—	—	50.1	—	50.1
Business combinations	—	—	(73.3)	—	(73.3)	—	—	(104.4)	—	(104.4)
Other movements	(0.9)	(33.1)	(3.1)	0.6	(36.5)	(10.8)	(92.0)	(12.1)	(3.0)	(117.9)
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(3.8)	(19.8)	(96.7)	(0.7)	(121.0)	(360.7)	(54.5)	(98.0)	(1.1)	(514.3)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>(6.5)</b>	<b>(54.9)</b>	<b>(264.9)</b>	<b>(0.2)</b>	<b>(326.5)</b>	<b>(455.3)</b>	<b>(157.8)</b>	<b>(307.3)</b>	<b>(4.2)</b>	<b>(924.6)</b>
<b>At 31 December 2021</b>	<b>192.3</b>	<b>265.1</b>	<b>954.6</b>	<b>10.0</b>	<b>1,422.0</b>	<b>23,929.2</b>	<b>1,866.3</b>	<b>1,290.4</b>	<b>29.6</b>	<b>27,115.5</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	Credit loss allowance					Gross carrying amount				
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/ originated credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/ originated credit-impaired	Total
<i>in billions of Russian Roubles</i>										
<b>Total loans and advances to customers at amortized cost</b>										
<b>At 1 January 2020</b>	<b>160.7</b>	<b>146.0</b>	<b>1,063.1</b>	<b>16.1</b>	<b>1,385.9</b>	<b>17,894.7</b>	<b>1,350.8</b>	<b>1,510.6</b>	<b>40.6</b>	<b>20,796.7</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>										
Transfers and corresponding remeasurement of credit loss allowances:										
- to 12-month ECL	18.6	(60.9)	(3.9)	—	(46.2)	756.1	(746.2)	(9.9)	—	—
- to lifetime ECL not credit-impaired	(48.4)	241.5	(26.6)	—	166.5	(1,975.6)	2,058.2	(82.6)	—	—
- to lifetime ECL credit-impaired	(4.6)	(127.6)	277.5	—	145.3	(101.9)	(471.1)	573.0	—	—
Changes to ECL measurement model assumptions and estimates	14.3	17.3	35.3	—	66.9	(155.5)	174.9	(19.4)	—	—
Net remeasurement of credit loss allowance within the same stage	(12.8)	31.6	10.9	(4.0)	25.7	—	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	136.1	50.4	105.2	—	291.7	13,160.2	423.6	223.3	2.8	13,809.9
Derecognised and impact of other decreases in gross carrying amount	(71.1)	(46.8)	(151.7)	(0.8)	(270.4)	(10,059.8)	(791.9)	(388.9)	(3.0)	(11,243.6)
Other movements	0.1	(0.3)	(0.3)	—	(0.5)	4.0	0.5	0.1	—	4.6
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>32.2</b>	<b>105.2</b>	<b>246.4</b>	<b>(4.8)</b>	<b>379.0</b>	<b>1,627.5</b>	<b>648.0</b>	<b>295.6</b>	<b>(0.2)</b>	<b>2,570.9</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>1.9</b>	<b>13.4</b>	<b>9.4</b>	<b>(1.5)</b>	<b>23.2</b>	<b>17.3</b>	<b>(6.2)</b>	<b>(4.7)</b>	<b>(3.1)</b>	<b>3.3</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>										
Write-offs	—	—	(121.5)	—	(121.5)	—	—	(121.5)	—	(121.5)
Foreign exchange differences and exchange differences on translating foreign operations	8.5	15.8	50.6	0.3	75.2	679.0	115.1	63.7	0.4	858.2
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	53.2	—	53.2	—	—	53.2	—	53.2
Business combinations	—	—	(158.4)	(1.0)	(159.4)	—	—	(222.4)	(10.4)	(232.8)
Other movements	0.1	(1.8)	(11.3)	—	(13.0)	(3.4)	(11.6)	(22.4)	—	(37.4)
Disposal of subsidiaries and reclassification of assets held for sale	—	—	(0.4)	—	(0.4)	(4.5)	(0.4)	(0.7)	—	(5.6)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>8.6</b>	<b>14.0</b>	<b>(187.8)</b>	<b>(0.7)</b>	<b>(165.9)</b>	<b>671.1</b>	<b>103.1</b>	<b>(250.1)</b>	<b>(10.0)</b>	<b>514.1</b>
<b>At 31 December 2020</b>	<b>203.4</b>	<b>278.6</b>	<b>1,131.1</b>	<b>9.1</b>	<b>1,622.2</b>	<b>20,210.6</b>	<b>2,095.7</b>	<b>1,551.4</b>	<b>27.3</b>	<b>23,885.0</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	Credit loss allowance					Gross carrying amount				
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/ originated credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/ originated credit-impaired	Total
<i>in billions of Russian Roubles</i>										
<b>Loans and advances to legal entities at amortized cost</b>										
<b>At 1 January 2021</b>	<b>134.1</b>	<b>229.2</b>	<b>744.9</b>	<b>8.6</b>	<b>1,116.8</b>	<b>11,894.1</b>	<b>1,600.2</b>	<b>1,109.0</b>	<b>26.4</b>	<b>14,629.7</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>										
Transfers and corresponding remeasurement of credit loss allowances:										
- to 12-month ECL	7.9	(27.5)	(10.3)	—	(29.9)	502.1	(486.2)	(15.9)	—	—
- to lifetime ECL not credit-impaired	(17.9)	110.2	(19.5)	—	72.8	(792.3)	835.4	(43.1)	—	—
- to lifetime ECL credit-impaired	(2.4)	(42.7)	84.4	—	39.3	(38.1)	(147.4)	185.5	—	—
Changes to ECL measurement model assumptions and estimates	(0.3)	2.1	(0.5)	—	1.3	(25.1)	25.6	(0.5)	—	—
Net remeasurement of credit loss allowance within the same stage	(43.3)	32.7	18.0	3.0	10.4	—	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	88.8	48.1	58.4	—	195.3	9,525.2	298.5	89.0	13.0	9,925.7
Derecognised and impact of other decreases in gross carrying amount	(50.1)	(71.3)	(119.4)	(1.9)	(242.7)	(7,334.3)	(561.5)	(233.5)	(6.9)	(8,136.2)
Other movements	—	—	—	—	—	(8.3)	—	(4.8)	0.5	(12.6)
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>(17.3)</b>	<b>51.6</b>	<b>11.1</b>	<b>1.1</b>	<b>46.5</b>	<b>1,829.2</b>	<b>(35.6)</b>	<b>(23.3)</b>	<b>6.6</b>	<b>1,776.9</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>(1.3)</b>	<b>(11.7)</b>	<b>(4.4)</b>	<b>—</b>	<b>(17.4)</b>	<b>20.5</b>	<b>(24.6)</b>	<b>(7.9)</b>	<b>0.1</b>	<b>(11.9)</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>										
Write-offs	—	—	(63.1)	—	(63.1)	—	—	(63.1)	—	(63.1)
Foreign exchange differences and exchange differences on translating foreign operations	(1.6)	(1.6)	(3.0)	(0.1)	(6.3)	(66.6)	(10.0)	(4.0)	(0.1)	(80.7)
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	23.2	—	23.2	—	—	23.2	—	23.2
Business combinations	—	—	(73.3)	—	(73.3)	—	—	(104.4)	—	(104.4)
Other movements	(0.9)	(33.7)	(7.2)	0.7	(41.1)	(8.5)	(91.8)	(12.5)	(3.0)	(115.8)
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(1.4)	(17.7)	(84.0)	(0.3)	(103.4)	(201.5)	(36.6)	(84.1)	(0.4)	(322.6)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>(3.9)</b>	<b>(53.0)</b>	<b>(207.4)</b>	<b>0.3</b>	<b>(264.0)</b>	<b>(276.6)</b>	<b>(138.4)</b>	<b>(244.9)</b>	<b>(3.5)</b>	<b>(663.4)</b>
<b>At 31 December 2021</b>	<b>111.6</b>	<b>216.1</b>	<b>544.2</b>	<b>10.0</b>	<b>881.9</b>	<b>13,467.2</b>	<b>1,401.6</b>	<b>832.9</b>	<b>29.6</b>	<b>15,731.3</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	Credit loss allowance					Gross carrying amount				
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/ originated credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/ originated credit-impaired	Total
<i>in billions of Russian Roubles</i>										
<b>Loans and advances to legal entities at amortized cost</b>										
<b>At 1 January 2020</b>	<b>100.2</b>	<b>111.0</b>	<b>790.8</b>	<b>15.8</b>	<b>1,017.8</b>	<b>10,749.1</b>	<b>1,001.7</b>	<b>1,148.8</b>	<b>39.7</b>	<b>12,939.3</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>										
Transfers and corresponding remeasurement of credit loss allowances:										
- to 12-month ECL	10.0	(28.7)	(2.7)	—	(21.4)	515.6	(508.8)	(6.8)	—	—
- to lifetime ECL not credit-impaired	(33.6)	134.6	(22.5)	—	78.5	(1,464.1)	1,531.9	(67.8)	—	—
- to lifetime ECL credit-impaired	(3.5)	(63.0)	133.9	—	67.4	(86.8)	(300.5)	387.3	—	—
Changes to ECL measurement model assumptions and estimates	16.6	8.0	13.4	—	38.0	(63.8)	61.0	2.8	—	—
Net remeasurement of credit loss allowance within the same stage	(11.4)	32.5	32.1	(4.0)	49.2	—	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	93.3	44.9	87.6	—	225.8	8,647.2	394.9	202.5	2.8	9,247.4
Derecognised and impact of other decreases in gross carrying amount	(46.5)	(35.2)	(120.4)	(0.8)	(202.9)	(7,017.5)	(672.0)	(322.4)	(3.0)	(8,014.9)
Other movements	0.1	(0.3)	(0.3)	—	(0.5)	3.8	0.4	(0.9)	—	3.3
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>25.0</b>	<b>92.8</b>	<b>121.1</b>	<b>(4.8)</b>	<b>234.1</b>	<b>534.4</b>	<b>506.9</b>	<b>194.7</b>	<b>(0.2)</b>	<b>1,235.8</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>0.7</b>	<b>12.0</b>	<b>5.7</b>	<b>(1.5)</b>	<b>16.9</b>	<b>6.5</b>	<b>(5.6)</b>	<b>(3.9)</b>	<b>(3.0)</b>	<b>(6.0)</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>										
Write-offs	—	—	(76.0)	—	(76.0)	—	—	(76.0)	—	(76.0)
Foreign exchange differences and exchange differences on translating foreign operations	8.1	15.3	48.3	0.1	71.8	612.4	105.7	60.9	0.3	779.3
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	29.7	—	29.7	—	—	29.7	—	29.7
Business combinations	—	—	(158.4)	(1.0)	(159.4)	—	—	(222.4)	(10.4)	(232.8)
Other movements	0.1	(1.9)	(15.9)	—	(17.7)	(3.8)	(8.1)	(22.1)	—	(34.0)
Disposal of subsidiaries and reclassification of assets held for sale	—	—	(0.4)	—	(0.4)	(4.5)	(0.4)	(0.7)	—	(5.6)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>8.2</b>	<b>13.4</b>	<b>(172.7)</b>	<b>(0.9)</b>	<b>(152.0)</b>	<b>604.1</b>	<b>97.2</b>	<b>(230.6)</b>	<b>(10.1)</b>	<b>460.6</b>
<b>At 31 December 2020</b>	<b>134.1</b>	<b>229.2</b>	<b>744.9</b>	<b>8.6</b>	<b>1,116.8</b>	<b>11,894.1</b>	<b>1,600.2</b>	<b>1,109.0</b>	<b>26.4</b>	<b>14,629.7</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	Credit loss allowance					Gross carrying amount				
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/originated credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/originated credit-impaired	Total
<i>in billions of Russian Roubles</i>										
<b>Mortgage loans to individuals at amortized cost</b>										
<b>At 1 January 2021</b>	<b>9.6</b>	<b>12.1</b>	<b>48.6</b>	<b>0.5</b>	<b>70.8</b>	<b>4,832.6</b>	<b>315.2</b>	<b>70.6</b>	<b>0.9</b>	<b>5,219.3</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>										
<i>Transfers and corresponding remeasurement of credit loss allowances:</i>										
- to 12-month ECL	0.7	(6.6)	(0.5)	—	(6.4)	162.4	(159.5)	(2.9)	—	—
- to lifetime ECL not credit-impaired	(0.7)	11.6	(2.4)	—	8.5	(210.2)	223.2	(13.0)	—	—
- to lifetime ECL credit-impaired	—	(2.0)	8.3	—	6.3	(1.7)	(15.1)	16.8	—	—
Changes to ECL measurement model assumptions and estimates	—	2.8	(1.2)	—	1.6	—	—	—	—	—
Net remeasurement of credit loss allowance within the same stage	(3.2)	(0.6)	(11.6)	—	(15.4)	—	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	4.8	0.9	1.0	—	6.7	2,847.2	18.2	1.5	—	2,866.9
Derecognised and impact of other decreases in gross carrying amount	(1.7)	(2.7)	(11.1)	—	(15.5)	(1,318.6)	(70.6)	(27.5)	—	(1,416.7)
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>(0.1)</b>	<b>3.4</b>	<b>(17.5)</b>	<b>—</b>	<b>(14.2)</b>	<b>1,479.1</b>	<b>(3.8)</b>	<b>(25.1)</b>	<b>—</b>	<b>1,450.2</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>(0.3)</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>(0.3)</b>	<b>0.2</b>	<b>(0.4)</b>	<b>(0.4)</b>	<b>(0.2)</b>	<b>(0.8)</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>										
Write-offs	—	—	(4.3)	—	(4.3)	—	—	(4.3)	—	(4.3)
Foreign exchange differences and exchange differences on translating foreign operations	—	—	(0.1)	—	(0.1)	(6.7)	(0.7)	(0.1)	—	(7.5)
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	10.8	—	10.8	—	—	10.8	—	10.8
Other movements	(0.1)	0.3	0.1	(0.1)	0.2	(2.8)	0.3	0.1	—	(2.4)
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(0.2)	(0.6)	(3.8)	(0.4)	(5.0)	(55.8)	(6.1)	(3.8)	(0.7)	(66.4)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>(0.3)</b>	<b>(0.3)</b>	<b>2.7</b>	<b>(0.5)</b>	<b>1.6</b>	<b>(65.3)</b>	<b>(6.5)</b>	<b>2.7</b>	<b>(0.7)</b>	<b>(69.8)</b>
<b>At 31 December 2021</b>	<b>8.9</b>	<b>15.2</b>	<b>33.8</b>	<b>—</b>	<b>57.9</b>	<b>6,246.6</b>	<b>304.5</b>	<b>47.8</b>	<b>—</b>	<b>6,598.9</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

	Credit loss allowance					Gross carrying amount				
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/originated credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Purchased/originated credit-impaired	Total
<i>in billions of Russian Roubles</i>										
<b>Mortgage loans to individuals at amortized cost</b>										
<b>At 1 January 2020</b>	<b>23.6</b>	<b>10.1</b>	<b>45.6</b>	<b>0.3</b>	<b>79.6</b>	<b>4,012.6</b>	<b>195.5</b>	<b>82.2</b>	<b>0.9</b>	<b>4,291.2</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>										
<i>Transfers and corresponding remeasurement of credit loss allowances:</i>										
- to 12-month ECL	2.3	(8.4)	—	—	(6.1)	98.5	(98.5)	—	—	—
- to lifetime ECL not credit-impaired	(2.4)	15.2	(1.7)	—	11.1	(171.0)	179.9	(8.9)	—	—
- to lifetime ECL credit-impaired	—	(3.8)	13.0	—	9.2	(4.3)	(23.0)	27.3	—	—
Changes to ECL measurement model assumptions and estimates	(18.3)	0.4	(0.1)	—	(18.0)	(89.7)	107.4	(17.7)	—	—
Net remeasurement of credit loss allowance within the same stage	1.2	(0.4)	(4.8)	—	(4.0)	—	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	5.8	0.6	1.4	—	7.8	2,048.9	9.4	2.7	—	2,061.0
Derecognised and impact of other decreases in gross carrying amount	(2.7)	(2.2)	(8.2)	—	(13.1)	(1,096.8)	(58.6)	(16.7)	—	(1,172.1)
Other movements	—	—	—	—	—	0.2	—	0.1	—	0.3
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>(14.1)</b>	<b>1.4</b>	<b>(0.4)</b>	<b>—</b>	<b>(13.1)</b>	<b>785.8</b>	<b>116.6</b>	<b>(13.2)</b>	<b>—</b>	<b>889.2</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>0.1</b>	<b>0.5</b>	<b>1.3</b>	<b>—</b>	<b>1.9</b>	<b>1.9</b>	<b>(0.1)</b>	<b>(0.2)</b>	<b>(0.1)</b>	<b>1.5</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>										
Write-offs	—	—	(2.9)	—	(2.9)	—	—	(2.9)	—	(2.9)
Foreign exchange differences and exchange differences on translating foreign operations	—	0.1	0.7	0.2	1.0	31.2	6.0	0.6	0.1	37.9
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	4.2	—	4.2	—	—	4.2	—	4.2
Other movements	—	—	0.1	—	0.1	1.1	(2.8)	(0.1)	—	(1.8)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>—</b>	<b>0.1</b>	<b>2.1</b>	<b>0.2</b>	<b>2.4</b>	<b>32.3</b>	<b>3.2</b>	<b>1.8</b>	<b>0.1</b>	<b>37.4</b>
<b>At 31 December 2020</b>	<b>9.6</b>	<b>12.1</b>	<b>48.6</b>	<b>0.5</b>	<b>70.8</b>	<b>4,832.6</b>	<b>315.2</b>	<b>70.6</b>	<b>0.9</b>	<b>5,219.3</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

Other loans to individuals include consumer and other loans, credit cards and overdrafts and car loans to individuals.

<i>in billions of Russian Roubles</i>	Credit loss allowance				Gross carrying amount			
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Total
<b>Total other loans to individuals at amortized cost</b>								
<b>At 1 January 2021</b>	<b>59.7</b>	<b>37.3</b>	<b>337.6</b>	<b>434.6</b>	<b>3,483.9</b>	<b>180.3</b>	<b>371.8</b>	<b>4,036.0</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>								
Transfers and corresponding remeasurement of credit loss allowances:								
- to 12-month ECL	7.8	(27.7)	(1.9)	<b>(21.8)</b>	174.3	(169.9)	(4.4)	—
- to lifetime ECL not credit-impaired	(13.1)	83.3	(3.6)	<b>66.6</b>	(346.3)	353.7	(7.4)	—
- to lifetime ECL credit-impaired	(1.0)	(57.9)	128.3	<b>69.4</b>	(9.7)	(144.4)	154.1	—
Changes to ECL measurement model assumptions and estimates	—	1.4	(1.4)	—	—	—	—	—
Net remeasurement of credit loss allowance within the same stage	1.5	2.7	(12.5)	<b>(8.3)</b>	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	49.7	5.8	19.0	<b>74.5</b>	3,360.5	24.3	20.7	<b>3,405.5</b>
Derecognised and impact of other decreases in gross carrying amount	(30.1)	(10.0)	(30.8)	<b>(70.9)</b>	(2,347.6)	(70.0)	(59.2)	<b>(2,476.8)</b>
Other movements	—	—	—	—	1.7	(0.1)	0.4	<b>2.0</b>
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>14.8</b>	<b>(2.4)</b>	<b>97.1</b>	<b>109.5</b>	<b>832.9</b>	<b>(6.4)</b>	<b>104.2</b>	<b>930.7</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>(0.4)</b>	<b>0.5</b>	<b>2.1</b>	<b>2.2</b>	<b>12.0</b>	<b>(0.8)</b>	<b>(1.2)</b>	<b>10.0</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>								
Write-offs	—	—	(70.6)	<b>(70.6)</b>	—	—	(70.6)	<b>(70.6)</b>
Foreign exchange differences and exchange differences on translating foreign operations	(0.2)	(0.4)	(0.8)	<b>(1.4)</b>	(10.5)	(0.6)	(0.8)	<b>(11.9)</b>
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	16.1	<b>16.1</b>	—	—	16.1	<b>16.1</b>
Other movements	0.1	0.3	4.0	<b>4.4</b>	0.5	(0.5)	0.3	<b>0.3</b>
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(2.2)	(1.5)	(8.9)	<b>(12.6)</b>	(103.4)	(11.8)	(10.1)	<b>(125.3)</b>
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>(2.3)</b>	<b>(1.6)</b>	<b>(60.2)</b>	<b>(64.1)</b>	<b>(113.4)</b>	<b>(12.9)</b>	<b>(65.1)</b>	<b>(191.4)</b>
<b>At 31 December 2021</b>	<b>71.8</b>	<b>33.8</b>	<b>376.6</b>	<b>482.2</b>	<b>4,215.4</b>	<b>160.2</b>	<b>409.7</b>	<b>4,785.3</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

<i>in billions of Russian Roubles</i>	Credit loss allowance				Gross carrying amount			
	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Total	12-month ECL	Lifetime ECL not credit-impaired	Lifetime ECL credit-impaired	Total
<b>Total other loans to individuals at amortized cost</b>								
<b>At 1 January 2020</b>	<b>36.9</b>	<b>24.9</b>	<b>226.7</b>	<b>288.5</b>	<b>3,133.0</b>	<b>153.6</b>	<b>279.6</b>	<b>3,566.2</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>								
Transfers and corresponding remeasurement of credit loss allowances:								
- to 12-month ECL	6.3	(23.8)	(1.2)	<b>(18.7)</b>	142.0	(138.9)	(3.1)	—
- to lifetime ECL not credit-impaired	(12.4)	91.7	(2.4)	<b>76.9</b>	(340.5)	346.4	(5.9)	—
- to lifetime ECL credit-impaired	(1.1)	(60.8)	130.6	<b>68.7</b>	(10.8)	(147.6)	158.4	—
Changes to ECL measurement model assumptions and estimates	16.0	8.9	22.0	<b>46.9</b>	(2.0)	6.5	(4.5)	—
Net remeasurement of credit loss allowance within the same stage	(2.6)	(0.5)	(16.4)	<b>(19.5)</b>	—	—	—	—
New originated or purchased and impact of other increases in gross carrying amount	37.0	4.9	16.2	<b>58.1</b>	2,464.1	19.3	18.1	<b>2,501.5</b>
Derecognised and impact of other decreases in gross carrying amount	(21.9)	(9.4)	(23.1)	<b>(54.4)</b>	(1,945.5)	(61.3)	(49.8)	<b>(2,056.6)</b>
Other movements	—	—	—	—	—	0.1	0.9	<b>1.0</b>
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>21.3</b>	<b>11.0</b>	<b>125.7</b>	<b>158.0</b>	<b>307.3</b>	<b>24.5</b>	<b>114.1</b>	<b>445.9</b>
<b>Net remeasurement of credit loss allowance and change in gross carrying amount of discontinued operations for the year</b>	<b>1.1</b>	<b>0.9</b>	<b>2.4</b>	<b>4.4</b>	<b>8.9</b>	<b>(0.5)</b>	<b>(0.6)</b>	<b>7.8</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>								
Write-offs	—	—	(42.6)	<b>(42.6)</b>	—	—	(42.6)	<b>(42.6)</b>
Foreign exchange differences and exchange differences on translating foreign operations	0.4	0.4	1.6	<b>2.4</b>	35.4	3.4	2.2	<b>41.0</b>
Remeasurement of credit loss allowance to reflect all contractually receivable interest	—	—	19.3	<b>19.3</b>	—	—	19.3	<b>19.3</b>
Other movements	—	0.1	4.5	<b>4.6</b>	(0.7)	(0.7)	(0.2)	<b>(1.6)</b>
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>0.4</b>	<b>0.5</b>	<b>(17.2)</b>	<b>(16.3)</b>	<b>34.7</b>	<b>2.7</b>	<b>(21.3)</b>	<b>16.1</b>
<b>At 31 December 2020</b>	<b>59.7</b>	<b>37.3</b>	<b>337.6</b>	<b>434.6</b>	<b>3,483.9</b>	<b>180.3</b>	<b>371.8</b>	<b>4,036.0</b>

### 7 Loans and Advances to Customers (continued)

#### Loans and advances to customers at fair value through profit or loss

The following tables set out the credit quality analysis of the Group's loans and advances to customers measured at fair value through profit or loss as at 31 December 2021 and 31 December 2020 using the credit risk grades same as for loans and advances to customers at amortized cost:

<i>in billions of Russian Roubles</i>	31 December 2021					
	Minimum credit risk	Low credit risk	Moderate credit risk	High credit risk	Default	Total
Commercial loans to legal entities	14.6	57.5	44.2	2.0	24.3	142.6
Project finance loans to legal entities	1.1	275.7	648.3	140.8	116.0	1,181.9
Consumer and other loans to individuals	—	39.4	—	38.1	—	77.5
<b>Total loans and advances to customers at fair value through profit or loss</b>	<b>15.7</b>	<b>372.6</b>	<b>692.5</b>	<b>180.9</b>	<b>140.3</b>	<b>1,402.0</b>

<i>in billions of Russian Roubles</i>	31 December 2020					
	Minimum credit risk	Low credit risk	Moderate credit risk	High credit risk	Default	Total
Commercial loans to legal entities	—	48.0	23.7	19.9	64.1	155.7
Project finance loans to legal entities	0.5	104.4	621.4	111.4	77.3	915.0
Consumer and other loans to individuals	11.5	32.3	—	9.1	—	52.9
<b>Total loans and advances to customers at fair value through profit or loss</b>	<b>12.0</b>	<b>184.7</b>	<b>645.1</b>	<b>140.4</b>	<b>141.4</b>	<b>1,123.6</b>

For the year ended 31 December 2021 net losses from non-derivative financial instruments at fair value through profit or loss include RR 2.9 billion (for the year ended 31 December 2020: RR 81.8 billion) of negative revaluation of loans and advances to customers at fair value through profit or loss which is mainly driven by a change in credit quality of respective assets.

**Current and past-due loans analysis.** For the purposes of these consolidated financial statements a loan is considered past due when the borrower fails to make any payment due under the loan agreement at the reporting date. In this case the aggregate amount of all amounts due from borrower under the respective loan agreement including accrued interest and commissions is recognized as past due. For the purposes of these consolidated financial statements restructured loans are classified as not past due if there are no past due payments on these loans.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

The table below shows the analysis of loans at amortized cost and credit loss allowance as at 31 December 2021:

<i>in billions of Russian Roubles</i>	Gross carrying amount of loans	Credit loss allowance	Total amortized cost of loans	Credit loss allowance to gross carrying amount of loans
<b>Commercial loans to legal entities</b>				
Loans not past due	11,197.1	(339.2)	10,857.9	3.0%
Loans 1 to 90 days overdue	32.6	(19.2)	13.4	58.9%
Loans over 90 days overdue	256.2	(224.6)	31.6	87.7%
<b>Total commercial loans to legal entities</b>	<b>11,485.9</b>	<b>(583.0)</b>	<b>10,902.9</b>	<b>5.1%</b>
<b>Project finance loans to legal entities</b>				
Loans not past due	4,110.9	(176.8)	3,934.1	4.3%
Loans 1 to 90 days overdue	6.5	(2.4)	4.1	36.9%
Loans over 90 days overdue	128.0	(119.7)	8.3	93.5%
<b>Total project finance loans to legal entities</b>	<b>4,245.4</b>	<b>(298.9)</b>	<b>3,946.5</b>	<b>7.0%</b>
<b>Total loans to legal entities</b>	<b>15,731.3</b>	<b>(881.9)</b>	<b>14,849.4</b>	<b>5.6%</b>
<b>Mortgage loans to individuals</b>				
Loans not past due	6,528.4	(23.3)	6,505.1	0.4%
Loans 1 to 90 days overdue	37.5	(7.5)	30.0	20.0%
Loans over 90 days overdue	33.0	(27.1)	5.9	82.1%
<b>Total mortgage loans to individuals</b>	<b>6,598.9</b>	<b>(57.9)</b>	<b>6,541.0</b>	<b>0.9%</b>
<b>Consumer and other loans to individuals</b>				
Loans not past due	3,372.2	(67.7)	3,304.5	2.0%
Loans 1 to 90 days overdue	57.3	(19.6)	37.7	34.2%
Loans over 90 days overdue	256.3	(244.8)	11.5	95.5%
<b>Total consumer and other loans to individuals</b>	<b>3,685.8</b>	<b>(332.1)</b>	<b>3,353.7</b>	<b>9.0%</b>
<b>Credit cards and overdrafts to individuals</b>				
Loans not past due	757.4	(16.0)	741.4	2.1%
Loans 1 to 90 days overdue	23.4	(9.5)	13.9	40.6%
Loans over 90 days overdue	124.5	(113.8)	10.7	91.4%
<b>Total credit cards and overdrafts to individuals</b>	<b>905.3</b>	<b>(139.3)</b>	<b>766.0</b>	<b>15.4%</b>
<b>Car loans to individuals</b>				
Loans not past due	181.0	(1.4)	179.6	0.8%
Loans 1 to 90 days overdue	2.2	(0.5)	1.7	22.7%
Loans over 90 days overdue	11.0	(8.9)	2.1	80.9%
<b>Total car loans to individuals</b>	<b>194.2</b>	<b>(10.8)</b>	<b>183.4</b>	<b>5.6%</b>
<b>Total loans to individuals</b>	<b>11,384.2</b>	<b>(540.1)</b>	<b>10,844.1</b>	<b>4.7%</b>
<b>Total loans and advances to customers at amortized cost at 31 December 2021</b>	<b>27,115.5</b>	<b>(1,422.0)</b>	<b>25,693.5</b>	<b>5.2%</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

The table below shows the analysis of loans at amortized cost and credit loss allowance as at 31 December 2020:

<i>in billions of Russian Roubles</i>	Gross carrying amount of loans	Credit loss allowance	Total amortized cost of loans	Credit loss allowance to gross carrying amount of loans
<b>Commercial loans to legal entities</b>				
Loans not past due	11,589.8	(460.4)	11,129.4	4.0%
Loans 1 to 90 days overdue	46.0	(22.1)	23.9	48.0%
Loans over 90 days overdue	448.2	(377.0)	71.2	84.1%
<b>Total commercial loans to legal entities</b>	<b>12,084.0</b>	<b>(859.5)</b>	<b>11,224.5</b>	<b>7.1%</b>
<b>Project finance loans to legal entities</b>				
Loans not past due	2,370.9	(127.3)	2,243.6	5.4%
Loans 1 to 90 days overdue	11.8	(5.7)	6.1	48.3%
Loans over 90 days overdue	163.0	(124.3)	38.7	76.3%
<b>Total project finance loans to legal entities</b>	<b>2,545.7</b>	<b>(257.3)</b>	<b>2,288.4</b>	<b>10.1%</b>
<b>Total loans to legal entities</b>	<b>14,629.7</b>	<b>(1,116.8)</b>	<b>13,512.9</b>	<b>7.6%</b>
<b>Mortgage loans to individuals</b>				
Loans not past due	5,134.3	(24.8)	5,109.5	0.5%
Loans 1 to 90 days overdue	38.2	(6.8)	31.4	17.8%
Loans over 90 days overdue	46.8	(39.2)	7.6	83.8%
<b>Total mortgage loans to individuals</b>	<b>5,219.3</b>	<b>(70.8)</b>	<b>5,148.5</b>	<b>1.4%</b>
<b>Consumer and other loans to individuals</b>				
Loans not past due	2,779.3	(62.5)	2,716.8	2.2%
Loans 1 to 90 days overdue	61.5	(20.8)	40.7	33.8%
Loans over 90 days overdue	214.3	(204.3)	10.0	95.3%
<b>Total consumer and other loans to individuals</b>	<b>3,055.1</b>	<b>(287.6)</b>	<b>2,767.5</b>	<b>9.4%</b>
<b>Credit cards and overdrafts to individuals</b>				
Loans not past due	682.2	(16.7)	665.5	2.4%
Loans 1 to 90 days overdue	25.4	(8.8)	16.6	34.6%
Loans over 90 days overdue	121.1	(110.8)	10.3	91.5%
<b>Total credit cards and overdrafts to individuals</b>	<b>828.7</b>	<b>(136.3)</b>	<b>692.4</b>	<b>16.4%</b>
<b>Car loans to individuals</b>				
Loans not past due	139.3	(1.1)	138.2	0.8%
Loans 1 to 90 days overdue	1.7	(0.5)	1.2	29.4%
Loans over 90 days overdue	11.2	(9.1)	2.1	81.3%
<b>Total car loans to individuals</b>	<b>152.2</b>	<b>(10.7)</b>	<b>141.5</b>	<b>7.0%</b>
<b>Total loans to individuals</b>	<b>9,255.3</b>	<b>(505.4)</b>	<b>8,749.9</b>	<b>5.5%</b>
<b>Total loans and advances to customers at amortized cost at 31 December 2020</b>	<b>23,885.0</b>	<b>(1,622.2)</b>	<b>22,262.8</b>	<b>6.8%</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 7 Loans and Advances to Customers (continued)

The table below shows the analysis of loans at fair value as at 31 December 2021 and 31 December 2020:

<i>in billions of Russian Roubles</i>	Loans and advances at fair value through profit and loss	
	31 December 2021	31 December 2020
<b>Commercial loans to legal entities</b>		
Loans not past due	134.5	153.8
Loans 1 to 90 days overdue	—	—
Loans over 90 days overdue	8.1	1.9
<b>Total commercial loans to legal entities</b>	<b>142.6</b>	<b>155.7</b>
<b>Project finance loans to legal entities</b>		
Loans not past due	1,179.9	844.0
Loans 1 to 90 days overdue	—	4.5
Loans over 90 days overdue	2.0	66.5
<b>Total project finance loans to legal entities</b>	<b>1,181.9</b>	<b>915.0</b>
<b>Total loans to legal entities</b>	<b>1,324.5</b>	<b>1,070.7</b>
<b>Consumer and other loans to individuals</b>		
Loans not past due	77.5	52.8
Loans 1 to 90 days overdue	—	0.1
<b>Total consumer and other loans to individuals</b>	<b>77.5</b>	<b>52.9</b>
<b>Total loans to individuals</b>	<b>77.5</b>	<b>52.9</b>
<b>Total loans and advances to customers at fair value</b>	<b>1,402.0</b>	<b>1,123.6</b>

**Economic sector risk concentration.** Economic sector risk concentrations within loans and advances to customers of the Group are as follows:

<i>in billions of Russian Roubles</i>	31 December 2021		31 December 2020	
	Amount	%	Amount	%
Individuals	11,461.7	40.2%	9,308.2	37.2%
Oil and gas	2,610.5	9.2%	2,305.3	9.2%
Real estate	2,428.4	8.5%	2,249.9	9.0%
Metallurgy	1,857.9	6.5%	1,881.0	7.5%
Food and agriculture	1,540.1	5.4%	1,335.7	5.3%
Trade	1,502.7	5.3%	1,380.1	5.5%
Construction	1,290.7	4.5%	704.9	2.8%
Transport and logistics	1,070.7	3.8%	1,048.9	4.2%
Energy	858.0	3.0%	822.5	3.3%
Telecommunications	747.6	2.6%	729.3	2.9%
Chemical industry	650.4	2.3%	649.5	2.6%
Machinery	632.2	2.2%	625.1	2.5%
Services	550.5	1.9%	461.2	1.8%
Government and municipal bodies	308.7	1.1%	646.6	2.6%
Timber industry	134.3	0.5%	147.2	0.6%
Other	873.1	3.0%	713.2	3.0%
<b>Total loans and advances to customers (before credit loss allowance for loans at amortized cost)</b>	<b>28,517.5</b>	<b>100.0%</b>	<b>25,008.6</b>	<b>100.0%</b>

As at 31 December 2021 the Group had 20 largest groups of related corporate borrowers with aggregated loan amounts due from each of these groups exceeding RR 108.0 billion (31 December 2020: 20 largest groups of related corporate borrowers with aggregated loan amounts due from each of these groups exceeding RR 105.2 billion). The total aggregate amount of these loans was RR 6,507.2 billion or 22.8% of the total gross loan portfolio of the Group (31 December 2020: RR 6,280.7 billion or 25.1%).

### 7 Loans and Advances to Customers (continued)

The Group's policies on obtaining collateral have not significantly changed during the reporting period and there has been no significant change in the overall quality of the collateral held by the Group since the prior period.

Refer to Note 37 for the information on amounts in loans and advances to customers which are collateralized by securities received under reverse sale and repurchase agreements and loans transferred without derecognition.

For the year ended 31 December 2021 interest income on loans and advances to customers in the consolidated statement of profit or loss includes fines and penalties received from borrowers in the amount of RR 9.8 billion (for the year ended 31 December 2020: RR 9.9 billion).

The estimated fair value of loans and advances to customers and fair value measurement technique used are disclosed in Note 36. Currency and maturity analyses of loans and advances to customers are disclosed in Note 33. The information on related parties balances as well as state-controlled entities and government bodies balances is disclosed in Notes 39 and 40.

### 8 Securities

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Securities measured at fair value through other comprehensive income - debt instruments	2,743.7	3,350.0
Securities measured at amortized cost	1,607.6	1,643.9
Securities mandatorily measured at fair value through profit or loss	665.0	627.9
Securities designated at fair value through profit or loss	0.4	0.6
Securities designated at fair value through other comprehensive income - equity instruments	0.2	2.0
<b>Total securities</b>	<b>5,016.9</b>	<b>5,624.4</b>

#### Securities measured at fair value through other comprehensive income - debt instruments

The composition of debt securities at fair value through other comprehensive income as at 31 December 2021 and 31 December 2020 is presented below:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Russian federal loan bonds (OFZ bonds)	2,063.8	2,439.7
Corporate bonds	337.8	468.2
Russian Federation Eurobonds	185.2	157.6
Mortgage-backed securities	98.2	126.3
Foreign government and municipal bonds	55.6	155.1
Russian municipal and subfederal bonds	2.1	2.2
Promissory notes	1.0	0.9
<b>Total securities measured at fair value through other comprehensive income - debt instruments</b>	<b>2,743.7</b>	<b>3,350.0</b>

Refer to Note 33 for the description of credit risk grading system used by the Group and the approach to ECL measurement of debt securities at FVOCI and at AC. The carrying amount of debt securities at 31 December 2021 and 31 December 2020 below also represents the Group's maximum exposure to credit risk on these assets.

### 8 Securities (continued)

The table below contains an analysis of the credit risk exposure of debt securities measured at FVOCI as at 31 December 2021, for which an ECL allowance is recognised, based on credit risk grades.

<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Total
<b>Russian federal loan bonds (OFZ bonds)</b>			
Minimum credit risk	2,110.4	—	2,110.4
<b>Gross carrying amount at amortized cost</b>	<b>2,110.4</b>	<b>—</b>	<b>2,110.4</b>
Credit loss allowance	(4.4)	—	(4.4)
Fair value adjustment from amortized cost to fair value	(42.2)	—	(42.2)
<b>Total fair value</b>	<b>2,063.8</b>	<b>—</b>	<b>2,063.8</b>
<b>Corporate bonds</b>			
Minimum credit risk	202.0	—	202.0
Low credit risk	134.3	1.9	136.2
Moderate credit risk	1.0	0.3	1.3
<b>Gross carrying amount at amortized cost</b>	<b>337.3</b>	<b>2.2</b>	<b>339.5</b>
Credit loss allowance	(1.2)	—	(1.2)
Fair value adjustment from amortized cost to fair value	(0.5)	—	(0.5)
<b>Total fair value</b>	<b>335.6</b>	<b>2.2</b>	<b>337.8</b>
<b>Russian Federation Eurobonds</b>			
Minimum credit risk	177.6	—	177.6
<b>Gross carrying amount at amortized cost</b>	<b>177.6</b>	<b>—</b>	<b>177.6</b>
Credit loss allowance	(0.3)	—	(0.3)
Fair value adjustment from amortized cost to fair value	7.9	—	7.9
<b>Total fair value</b>	<b>185.2</b>	<b>—</b>	<b>185.2</b>
<b>Mortgage-backed securities</b>			
Minimum credit risk	103.1	—	103.1
<b>Gross carrying amount at amortized cost</b>	<b>103.1</b>	<b>—</b>	<b>103.1</b>
Credit loss allowance	(0.3)	—	(0.3)
Fair value adjustment from amortized cost to fair value	(4.6)	—	(4.6)
<b>Total fair value</b>	<b>98.2</b>	<b>—</b>	<b>98.2</b>
<b>Foreign government and municipal bonds</b>			
Minimum credit risk	54.9	—	54.9
Low credit risk	0.5	—	0.5
<b>Gross carrying amount at amortized cost</b>	<b>55.4</b>	<b>—</b>	<b>55.4</b>
Credit loss allowance	(0.3)	—	(0.3)
Fair value adjustment from amortized cost to fair value	0.5	—	0.5
<b>Total fair value</b>	<b>55.6</b>	<b>—</b>	<b>55.6</b>
<b>Russian municipal and subfederal bonds</b>			
Minimum credit risk	1.9	—	1.9
Low credit risk	0.4	—	0.4
<b>Gross carrying amount at amortized cost</b>	<b>2.3</b>	<b>—</b>	<b>2.3</b>
Fair value adjustment from amortized cost to fair value	(0.2)	—	(0.2)
<b>Total fair value</b>	<b>2.1</b>	<b>—</b>	<b>2.1</b>
<b>Promissory notes</b>			
Minimum credit risk	1.0	—	1.0
<b>Gross carrying amount at amortized cost</b>	<b>1.0</b>	<b>—</b>	<b>1.0</b>
<b>Total fair value</b>	<b>1.0</b>	<b>—</b>	<b>1.0</b>
<b>Total gross carrying amount at amortized cost</b>	<b>2,787.1</b>	<b>2.2</b>	<b>2,789.3</b>
Credit loss allowance	(6.5)	—	(6.5)
Fair value adjustment from amortized cost to fair value	(39.1)	—	(39.1)
<b>Total securities measured at fair value through other comprehensive income - debt instruments</b>	<b>2,741.5</b>	<b>2.2</b>	<b>2,743.7</b>

### 8 Securities (continued)

The table below contains an analysis of the credit risk exposure of debt securities measured at FVOCI as at 31 December 2020, for which an ECL allowance is recognised, based on credit risk grades.

<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Total
<b>Russian federal loan bonds (OFZ bonds)</b>			
Minimum credit risk	2,382.3	—	2,382.3
<b>Gross carrying amount at amortized cost</b>	<b>2,382.3</b>	<b>—</b>	<b>2,382.3</b>
Credit loss allowance	(4.9)	—	(4.9)
Fair value adjustment from amortized cost to fair value	62.3	—	62.3
<b>Total fair value</b>	<b>2,439.7</b>	<b>—</b>	<b>2,439.7</b>
<b>Corporate bonds</b>			
Minimum credit risk	185.8	—	185.8
Low credit risk	259.1	4.3	263.4
<b>Gross carrying amount at amortized cost</b>	<b>444.9</b>	<b>4.3</b>	<b>449.2</b>
Credit loss allowance	(2.8)	(0.2)	(3.0)
Fair value adjustment from amortized cost to fair value	21.5	0.5	22.0
<b>Total fair value</b>	<b>463.6</b>	<b>4.6</b>	<b>468.2</b>
<b>Russian Federation Eurobonds</b>			
Minimum credit risk	145.7	—	145.7
<b>Gross carrying amount at amortized cost</b>	<b>145.7</b>	<b>—</b>	<b>145.7</b>
Credit loss allowance	(0.3)	—	(0.3)
Fair value adjustment from amortized cost to fair value	12.2	—	12.2
<b>Total fair value</b>	<b>157.6</b>	<b>—</b>	<b>157.6</b>
<b>Foreign government and municipal bonds</b>			
Minimum credit risk	139.9	—	139.9
Low credit risk	14.4	—	14.4
<b>Gross carrying amount at amortized cost</b>	<b>154.3</b>	<b>—</b>	<b>154.3</b>
Credit loss allowance	(0.3)	—	(0.3)
Fair value adjustment from amortized cost to fair value	1.1	—	1.1
<b>Total fair value</b>	<b>155.1</b>	<b>—</b>	<b>155.1</b>
<b>Mortgage-backed securities</b>			
Minimum credit risk	117.9	—	117.9
<b>Gross carrying amount at amortized cost</b>	<b>117.9</b>	<b>—</b>	<b>117.9</b>
Credit loss allowance	(0.3)	—	(0.3)
Fair value adjustment from amortized cost to fair value	8.7	—	8.7
<b>Total fair value</b>	<b>126.3</b>	<b>—</b>	<b>126.3</b>
<b>Russian municipal and subfederal bonds</b>			
Minimum credit risk	1.4	—	1.4
Low credit risk	0.8	—	0.8
<b>Gross carrying amount at amortized cost</b>	<b>2.2</b>	<b>—</b>	<b>2.2</b>
<b>Total fair value</b>	<b>2.2</b>	<b>—</b>	<b>2.2</b>
<b>Promissory notes</b>			
Minimum credit risk	0.9	—	0.9
<b>Gross carrying amount at amortized cost</b>	<b>0.9</b>	<b>—</b>	<b>0.9</b>
<b>Total fair value</b>	<b>0.9</b>	<b>—</b>	<b>0.9</b>
<b>Total gross carrying amount at amortized cost</b>	<b>3,248.2</b>	<b>4.3</b>	<b>3,252.5</b>
Credit loss allowance	(8.6)	(0.2)	(8.8)
Fair value adjustment from amortized cost to fair value	105.8	0.5	106.3
<b>Total securities measured at fair value through other comprehensive income - debt instruments</b>	<b>3,345.4</b>	<b>4.6</b>	<b>3,350.0</b>

### 8 Securities (continued)

The following tables explain the changes in the credit loss allowance of debt securities at FVOCI (including those pledged under repurchase agreements (Note 9)) between the beginning and the end of the annual period due to the factors described in Note 3.

<i>in billions of Russian Roubles</i>	Credit loss allowance		
	12-month ECL	Lifetime ECL not credit- impaired	Total
<b>At 1 January 2021</b>	<b>10.3</b>	<b>0.2</b>	<b>10.5</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>			
Transfers and corresponding remeasurement of credit loss allowances:			
- to 12-month ECL	0.1	(0.2)	(0.1)
Net remeasurement of credit loss allowance within the same stage	(1.9)	—	(1.9)
New originated or purchased and impact of other increases in gross carrying amount	5.5	—	5.5
Derecognised and impact of other decreases in gross carrying amount	(4.4)	—	(4.4)
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>(0.7)</b>	<b>(0.2)</b>	<b>(0.9)</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>			
Foreign exchange differences and exchange differences on translating foreign operations	0.2	—	0.2
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(0.2)	—	(0.2)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>At 31 December 2021</b>	<b>9.6</b>	<b>—</b>	<b>9.6</b>

<i>in billions of Russian Roubles</i>	Credit loss allowance		
	12-month ECL	Lifetime ECL not credit- impaired	Total
<b>At 1 January 2020</b>	<b>3.7</b>	<b>—</b>	<b>3.7</b>
<i>Movements with impact on credit loss allowance charge for the year:</i>			
Transfers and corresponding remeasurement of credit loss allowances:			
- to 12-month ECL	—	(0.1)	(0.1)
- to lifetime ECL not credit-impaired	—	0.2	0.2
Net remeasurement of credit loss allowance within the same stage	1.5	—	1.5
New originated or purchased and impact of other increases in gross carrying amount	7.5	—	7.5
Derecognised and impact of other decreases in gross carrying amount	(3.2)	—	(3.2)
<b>Total movements with impact on credit loss allowance charge for the year</b>	<b>5.8</b>	<b>0.1</b>	<b>5.9</b>
<b>Net remeasurement of credit loss allowance of discontinued operations</b>	<b>0.2</b>	<b>—</b>	<b>0.2</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>			
Foreign exchange differences and exchange differences on translating foreign operations	0.6	0.1	0.7
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>0.6</b>	<b>0.1</b>	<b>0.7</b>
<b>At 31 December 2020</b>	<b>10.3</b>	<b>0.2</b>	<b>10.5</b>

### 8 Securities (continued)

#### Securities measured at amortized cost

The composition of securities measured at amortized cost as at 31 December 2021 and 31 December 2020 is presented below:

<i>in billions of Russian Roubles</i>	31 December 2021	31 December 2020
Corporate bonds	899.7	933.2
Russian federal loan bonds (OFZ bonds)	483.9	395.9
Russian municipal and subfederal bonds	165.3	242.0
Russian Federation Eurobonds	55.8	57.3
Foreign government and municipal bonds	14.9	27.3
<b>Total securities at amortized cost before credit loss allowance</b>	<b>1,619.6</b>	<b>1,655.7</b>
Credit loss allowance	(12.0)	(11.8)
<b>Total securities at amortized cost</b>	<b>1,607.6</b>	<b>1,643.9</b>

The table below contains an analysis of the credit risk exposure of debt securities measured at AC as at 31 December 2021, for which an ECL allowance is recognised, based on credit risk grades.

<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Total
<b>Corporate bonds</b>				
Minimum credit risk	171.1	—	—	171.1
Low credit risk	678.1	27.3	—	705.4
Moderate credit risk	10.3	12.0	—	22.3
Default	—	—	0.9	0.9
<b>Gross carrying amount</b>	<b>859.5</b>	<b>39.3</b>	<b>0.9</b>	<b>899.7</b>
Credit loss allowance	(6.2)	(2.8)	(0.9)	(9.9)
<b>Carrying amount</b>	<b>853.3</b>	<b>36.5</b>	<b>—</b>	<b>889.8</b>
<b>Russian federal loan bonds (OFZ bonds)</b>				
Minimum credit risk	483.9	—	—	483.9
<b>Gross carrying amount</b>	<b>483.9</b>	<b>—</b>	<b>—</b>	<b>483.9</b>
Credit loss allowance	(1.0)	—	—	(1.0)
<b>Carrying amount</b>	<b>482.9</b>	<b>—</b>	<b>—</b>	<b>482.9</b>
<b>Russian municipal and subfederal bonds</b>				
Minimum credit risk	23.2	—	—	23.2
Low credit risk	142.1	—	—	142.1
<b>Gross carrying amount</b>	<b>165.3</b>	<b>—</b>	<b>—</b>	<b>165.3</b>
Credit loss allowance	(1.0)	—	—	(1.0)
<b>Carrying amount</b>	<b>164.3</b>	<b>—</b>	<b>—</b>	<b>164.3</b>
<b>Russian Federation Eurobonds</b>				
Minimum credit risk	55.8	—	—	55.8
<b>Gross carrying amount</b>	<b>55.8</b>	<b>—</b>	<b>—</b>	<b>55.8</b>
Credit loss allowance	(0.1)	—	—	(0.1)
<b>Carrying amount</b>	<b>55.7</b>	<b>—</b>	<b>—</b>	<b>55.7</b>
<b>Foreign government and municipal bonds</b>				
Minimum credit risk	14.9	—	—	14.9
<b>Gross carrying amount</b>	<b>14.9</b>	<b>—</b>	<b>—</b>	<b>14.9</b>
<b>Carrying amount</b>	<b>14.9</b>	<b>—</b>	<b>—</b>	<b>14.9</b>
<b>Total securities at amortized cost before credit loss allowance</b>	<b>1,579.4</b>	<b>39.3</b>	<b>0.9</b>	<b>1,619.6</b>
<b>Credit loss allowance</b>	<b>(8.3)</b>	<b>(2.8)</b>	<b>(0.9)</b>	<b>(12.0)</b>
<b>Total securities at amortized cost</b>	<b>1,571.1</b>	<b>36.5</b>	<b>—</b>	<b>1,607.6</b>

### 8 Securities (continued)

The table below contains an analysis of the credit risk exposure of debt securities measured at AC as at 31 December 2020, for which an ECL allowance is recognised, based on credit risk grades.

<i>in billions of Russian Roubles</i>	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Total
<b>Corporate bonds</b>				
Minimum credit risk	277.0	5.0	—	282.0
Low credit risk	622.1	27.9	—	650.0
Moderate credit risk	—	0.3	—	0.3
Default	—	—	0.9	0.9
<b>Gross carrying amount</b>	<b>899.1</b>	<b>33.2</b>	<b>0.9</b>	<b>933.2</b>
Credit loss allowance	(8.0)	(0.7)	(0.9)	(9.6)
<b>Carrying amount</b>	<b>891.1</b>	<b>32.5</b>	<b>—</b>	<b>923.6</b>
<b>Russian federal loan bonds (OFZ bonds)</b>				
Minimum credit risk	395.9	—	—	395.9
<b>Gross carrying amount</b>	<b>395.9</b>	<b>—</b>	<b>—</b>	<b>395.9</b>
Credit loss allowance	(0.7)	—	—	(0.7)
<b>Carrying amount</b>	<b>395.2</b>	<b>—</b>	<b>—</b>	<b>395.2</b>
<b>Russian municipal and subfederal bonds</b>				
Minimum credit risk	66.1	—	—	66.1
Low credit risk	175.9	—	—	175.9
<b>Gross carrying amount</b>	<b>242.0</b>	<b>—</b>	<b>—</b>	<b>242.0</b>
Credit loss allowance	(1.4)	—	—	(1.4)
<b>Carrying amount</b>	<b>240.6</b>	<b>—</b>	<b>—</b>	<b>240.6</b>
<b>Russian Federation Eurobonds</b>				
Minimum credit risk	57.3	—	—	57.3
<b>Gross carrying amount</b>	<b>57.3</b>	<b>—</b>	<b>—</b>	<b>57.3</b>
Credit loss allowance	(0.1)	—	—	(0.1)
<b>Carrying amount</b>	<b>57.2</b>	<b>—</b>	<b>—</b>	<b>57.2</b>
<b>Foreign government and municipal bonds</b>				
Minimum credit risk	27.3	—	—	27.3
<b>Gross carrying amount</b>	<b>27.3</b>	<b>—</b>	<b>—</b>	<b>27.3</b>
<b>Carrying amount</b>	<b>27.3</b>	<b>—</b>	<b>—</b>	<b>27.3</b>
<b>Total securities at amortized cost before credit loss allowance</b>	<b>1,621.6</b>	<b>33.2</b>	<b>0.9</b>	<b>1,655.7</b>
Credit loss allowance	(10.2)	(0.7)	(0.9)	(11.8)
<b>Total securities at amortized cost</b>	<b>1,611.4</b>	<b>32.5</b>	<b>—</b>	<b>1,643.9</b>

### 8 Securities (continued)

The following tables explain the changes in the credit loss allowance of debt securities at AC (including those pledged under repurchase agreements (Note 9)) between the beginning and the end of the annual period due to the factors described in Note 3.

<i>in billions of Russian Roubles</i>	Credit loss allowance			
	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Total
<b>At 1 January 2021</b>	<b>10.3</b>	<b>0.7</b>	<b>0.9</b>	<b>11.9</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>				
Transfers and corresponding remeasurement of credit loss allowances:				
- to 12-month ECL	0.2	(0.4)	—	(0.2)
- to lifetime ECL not credit-impaired	(0.2)	2.6	—	2.4
Net remeasurement of credit loss allowance within the same stage	(2.4)	0.2	—	(2.2)
New originated or purchased and impact of other increases in gross carrying amount	3.2	0.1	—	3.3
Derecognised and impact of other decreases in gross carrying amount	(2.3)	(0.2)	—	(2.5)
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>(1.5)</b>	<b>2.3</b>	<b>—</b>	<b>0.8</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>				
Other movements	—	(0.2)	—	(0.2)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>—</b>	<b>(0.2)</b>	<b>—</b>	<b>(0.2)</b>
<b>At 31 December 2021</b>	<b>8.8</b>	<b>2.8</b>	<b>0.9</b>	<b>12.5</b>

<i>in billions of Russian Roubles</i>	Credit loss allowance			
	12-month ECL	Lifetime ECL not credit- impaired	Lifetime ECL credit- impaired	Total
<b>At 1 January 2020</b>	<b>6.6</b>	<b>0.3</b>	<b>0.9</b>	<b>7.8</b>
<i>Movements with impact on credit loss allowance charge from continuing operations for the year:</i>				
Transfers and corresponding remeasurement of credit loss allowances:				
- to 12-month ECL	0.1	(0.1)	—	—
- to lifetime ECL not credit-impaired	(0.1)	0.4	—	0.3
Net remeasurement of credit loss allowance within the same stage	1.2	0.4	—	1.6
New originated or purchased and impact of other increases in gross carrying amount	3.5	—	—	3.5
Derecognised and impact of other decreases in gross carrying amount	(1.7)	—	—	(1.7)
<b>Total movements with impact on credit loss allowance charge from continuing operations for the year</b>	<b>3.0</b>	<b>0.7</b>	<b>—</b>	<b>3.7</b>
<i>Movements without impact on credit loss allowance charge for the year:</i>				
Foreign exchange differences and exchange differences on translating foreign operations	0.7	—	—	0.7
Other movements	—	(0.3)	—	(0.3)
<b>Total movements without impact on credit loss allowance charge for the year</b>	<b>0.7</b>	<b>(0.3)</b>	<b>—</b>	<b>0.4</b>
<b>At 31 December 2020</b>	<b>10.3</b>	<b>0.7</b>	<b>0.9</b>	<b>11.9</b>

### 8 Securities (continued)

At 31 December 2021 there are past due securities measured at amortized cost with gross carrying amount of RR 0.9 billion (31 December 2020: RR 0.9 billion).

At 31 December 2021 the debt securities at FVOCI and at AC are not collateralized except for mortgage-backed securities of RR 98.2 billion accounted at FVOCI which are collateralized by mortgage loans to individuals and guarantee of JSC “DOM.RF” (31 December 2020: RR 126.3 billion).

#### Securities mandatorily measured at fair value through profit or loss

The composition of securities mandatorily measured at fair value through profit or loss as at 31 December 2021 and 31 December 2020 is presented below:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Russian federal loan bonds (OFZ bonds)	216.8	207.1
Corporate bonds	143.4	148.2
Russian municipal and subfederal bonds	15.3	4.4
Foreign government and municipal bonds	6.1	16.6
Russian Federation Eurobonds	5.9	6.9
<b>Total bonds mandatorily measured at fair value through profit or loss</b>	<b>387.5</b>	<b>383.2</b>
Corporate shares and other equity instruments	173.0	181.4
Investments in mutual funds	104.5	63.3
<b>Total securities mandatorily measured at fair value through profit or loss</b>	<b>665.0</b>	<b>627.9</b>

Debt securities mandatorily measured at FVPL are carried at fair value, which also reflects any credit risk related write-downs and best represents Group’s maximum exposure to credit risk.

At 31 December 2021 and 31 December 2020 there are no restructured debt securities mandatorily measured at FVPL that would otherwise be past due. The debt securities mandatorily measured at FVPL are not collateralised. All debt securities mandatorily measured at FVPL are not past due.

The estimated fair value of securities is disclosed in Note 36. Currency and maturity analyses of securities are disclosed in Note 33.

The information on securities issued by related parties and state-controlled entities is disclosed in Notes 39 and 40.

### 9 Financial Instruments Pledged under Repurchase Agreements

<i>in billions of Russian Roubles</i>	31 December 2021	31 December 2020
Securities measured at fair value through other comprehensive income - debt instruments	1,488.4	898.5
Securities measured at amortized cost	112.5	14.8
Securities mandatorily measured at fair value through profit or loss	48.2	19.7
<b>Total financial instruments pledged under repurchase agreements</b>	<b>1,649.1</b>	<b>933.0</b>

#### Securities measured at fair value through other comprehensive income pledged under repurchase agreements - debt instruments

The composition of debt securities measured at fair value through other comprehensive income pledged under repurchase agreements as at 31 December 2021 and 31 December 2020 is presented below:

<i>in billions of Russian Roubles</i>	31 December 2021	31 December 2020
Russian federal loan bonds (OFZ bonds)	1,334.9	820.4
Mortgage-backed securities	53.6	—
Foreign government and municipal bonds	35.4	15.5
Corporate bonds	32.9	3.3
Russian municipal and subfederal bonds	24.5	20.3
Russian Federation Eurobonds	7.1	39.0
<b>Total securities measured at fair value through other comprehensive income pledged under repurchase agreements - debt instruments</b>	<b>1,488.4</b>	<b>898.5</b>

### 9 Financial Instruments Pledged under Repurchase Agreements (continued)

Refer to Note 33 for the description of credit risk grading system used by the Group and the approach to ECL measurement of debt securities at FVOCI and at AC. The carrying amount of debt securities pledged under repurchase agreements at 31 December 2021 and 31 December 2020 below also represents the Group's maximum exposure to credit risk on these assets.

The table below contains an analysis of the credit risk exposure of debt securities pledged under repurchase agreements measured at FVOCI as at 31 December 2021, for which an ECL allowance is recognised, based on credit risk grades.

<i>in billions of Russian Roubles</i>	12-month ECL	Total
<b>Russian federal loan bonds (OFZ bonds)</b>		
Minimum credit risk	1,353.9	1,353.9
<b>Gross carrying amount at amortized cost</b>	<b>1,353.9</b>	<b>1,353.9</b>
Credit loss allowance	(2.9)	(2.9)
Fair value adjustment from amortized cost to fair value	(16.1)	(16.1)
<b>Total fair value</b>	<b>1,334.9</b>	<b>1,334.9</b>
<b>Mortgage-backed securities</b>		
Minimum credit risk	53.8	53.8
<b>Gross carrying amount at amortized cost</b>	<b>53.8</b>	<b>53.8</b>
Credit loss allowance	(0.1)	(0.1)
Fair value adjustment from amortized cost to fair value	(0.1)	(0.1)
<b>Total fair value</b>	<b>53.6</b>	<b>53.6</b>
<b>Foreign government and municipal bonds</b>		
Minimum credit risk	35.1	35.1
<b>Gross carrying amount at amortized cost</b>	<b>35.1</b>	<b>35.1</b>
Fair value adjustment from amortized cost to fair value	0.3	0.3
<b>Total fair value</b>	<b>35.4</b>	<b>35.4</b>
<b>Corporate bonds</b>		
Minimum credit risk	21.7	21.7
Low credit risk	11.2	11.2
<b>Gross carrying amount at amortized cost</b>	<b>32.9</b>	<b>32.9</b>
Credit loss allowance	(0.1)	(0.1)
Fair value adjustment from amortized cost to fair value	0.1	0.1
<b>Total fair value</b>	<b>32.9</b>	<b>32.9</b>
<b>Russian municipal and subfederal bonds</b>		
Minimum credit risk	25.5	25.5
<b>Gross carrying amount at amortized cost</b>	<b>25.5</b>	<b>25.5</b>
Fair value adjustment from amortized cost to fair value	(1.0)	(1.0)
<b>Total fair value</b>	<b>24.5</b>	<b>24.5</b>
<b>Russian Federation Eurobonds</b>		
Minimum credit risk	6.8	6.8
<b>Gross carrying amount at amortized cost</b>	<b>6.8</b>	<b>6.8</b>
Fair value adjustment from amortized cost to fair value	0.3	0.3
<b>Total fair value</b>	<b>7.1</b>	<b>7.1</b>
<b>Total gross carrying amount at amortized cost</b>	<b>1,508.0</b>	<b>1,508.0</b>
Credit loss allowance	(3.1)	(3.1)
Fair value adjustment from amortized cost to fair value	(16.5)	(16.5)
<b>Total securities measured at fair value through other comprehensive income pledged under repurchase agreements - debt instruments</b>	<b>1,488.4</b>	<b>1,488.4</b>

### 9 Financial Instruments Pledged under Repurchase Agreements (continued)

The table below contains an analysis of the credit risk exposure of debt securities pledged under repurchase agreements measured at FVOCI as at 31 December 2020, for which an ECL allowance is recognised, based on credit risk grades.

<i>in billions of Russian Roubles</i>	<b>12-month ECL</b>	<b>Total</b>
<b>Russian federal loan bonds (OFZ bonds)</b>		
Minimum credit risk	773.8	773.8
<b>Gross carrying amount at amortized cost</b>	<b>773.8</b>	<b>773.8</b>
Credit loss allowance	(1.6)	(1.6)
Fair value adjustment from amortized cost to fair value	48.2	48.2
<b>Total fair value</b>	<b>820.4</b>	<b>820.4</b>
<b>Russian Federation Eurobonds</b>		
Minimum credit risk	35.6	35.6
<b>Gross carrying amount at amortized cost</b>	<b>35.6</b>	<b>35.6</b>
Credit loss allowance	(0.1)	(0.1)
Fair value adjustment from amortized cost to fair value	3.5	3.5
<b>Total fair value</b>	<b>39.0</b>	<b>39.0</b>
<b>Russian municipal and subfederal bonds</b>		
Minimum credit risk	19.7	19.7
Gross carrying amount at amortized cost	19.7	19.7
Fair value adjustment from amortized cost to fair value	0.6	0.6
<b>Total fair value</b>	<b>20.3</b>	<b>20.3</b>
<b>Foreign government and municipal bonds</b>		
Minimum credit risk	15.5	15.5
<b>Gross carrying amount at amortized cost</b>	<b>15.5</b>	<b>15.5</b>
<b>Total fair value</b>	<b>15.5</b>	<b>15.5</b>
<b>Corporate bonds</b>		
Minimum credit risk	2.1	2.1
Low credit risk	1.0	1.0
<b>Gross carrying amount at amortized cost</b>	<b>3.1</b>	<b>3.1</b>
Fair value adjustment from amortized cost to fair value	0.2	0.2
<b>Total fair value</b>	<b>3.3</b>	<b>3.3</b>
<b>Total gross carrying amount at amortized cost</b>	<b>847.7</b>	<b>847.7</b>
Credit loss allowance	(1.7)	(1.7)
Fair value adjustment from amortized cost to fair value	52.5	52.5
<b>Total securities measured at fair value through other comprehensive income pledged under repurchase agreements - debt instruments</b>	<b>898.5</b>	<b>898.5</b>

### 9 Financial Instruments Pledged under Repurchase Agreements (continued)

At 31 December 2021 the debt securities at FVOCI pledged under repurchase agreements are not collateralised except for mortgage-backed securities of RR 53.6 billion accounted at FVOCI which are collateralized by mortgage loans to individuals and guarantee of JSC “DOM.RF” (31 December 2020: nil).

Refer to Note 37 for more information on securities pledged under repurchase agreements with banks and customers.

All securities pledged under repurchase agreements are not past due. None of the securities pledged under repurchase agreements were restructured.

Information on changes in the credit loss allowance of debt securities pledged under repurchase agreements is disclosed in Note 8 together with the respective information on other debt securities.

The estimated fair value of securities pledged under repurchase agreements is disclosed in Note 36. Currency and maturity analyses of securities pledged under repurchase agreements are disclosed in Note 33. The information on securities issued by related parties and state-controlled entities is disclosed in Notes 39 and 40.

### 10 Derivative Financial Assets

The composition of derivative financial assets as at 31 December 2021 and 31 December 2020 is presented below:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Interest rate	81.7	71.4
Equities	68.9	33.7
Foreign currency interest rate	51.3	66.4
Commodities including precious metals	49.0	60.9
Foreign currency	43.8	40.1
Debt securities	12.2	17.1
Credit risk	0.1	—
Other	29.3	24.0
<b>Total derivative financial assets</b>	<b>336.3</b>	<b>313.6</b>

For the detailed analysis of the derivative instruments of the Group refer to Note 35.

Currency and maturity analyses of derivative financial assets are disclosed in Note 33. The information on related parties balances is disclosed in Note 39.

### 11 Investments in Associates and Joint Ventures

The table below summarises the Group’s investments in associates and joint ventures (JVs) according to the accounting method.

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
<b>Investments in associates and joint ventures accounted for using equity method</b>		
- associates	62.1	71.4
- joint ventures	76.5	44.2
<b>Total</b>	<b>138.6</b>	<b>115.6</b>
<b>Investments in associates and joint ventures designated at fair value through profit or loss</b>		
- joint ventures	26.9	23.2
- associates	0.2	1.7
<b>Total</b>	<b>27.1</b>	<b>24.9</b>
<b>Total investments in associates and joint ventures</b>	<b>165.7</b>	<b>140.5</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 11 Investments in Associates and Joint Ventures (continued)

The table below summarises the movements in the carrying amount of the Group's investment in associates and JVs accounted for using equity method for the year ended 31 December 2021 and 31 December 2020.

<i>in billions of Russian Roubles</i>	Year ended 31 December			
	2021		2020	
	Associates	Joint ventures	Associates	Joint ventures
<b>Carrying amount at 1 January</b>	<b>71.4</b>	<b>44.2</b>	<b>65.7</b>	<b>87.2</b>
Acquisition cost and additional investments in associates and joint ventures	9.4	52.5	6.4	3.2
Net share of profit / (loss) of associates and joint ventures	5.4	(19.2)	(5.8)	(15.2)
Share of other equity movements of associates and joint ventures	(0.7)	—	0.5	—
Dividends from associates and joint ventures	(1.9)	(1.0)	(0.1)	—
Impairment of investments in associates and joint ventures	(3.0)	—	—	—
Derecognition of associates and joint ventures due to disposal or obtained control	(15.2)	—	(5.4)	(31.0)
Exchange differences on translating associates and joint ventures	(3.3)	—	10.1	—
<b>Carrying amount at 31 December</b>	<b>62.1</b>	<b>76.5</b>	<b>71.4</b>	<b>44.2</b>

Derecognition of associates due to disposal or obtained control includes the effect of disposal of MF Technologies and certain other associates during 2021.

Derecognition of JVs due to disposal or obtained control includes among others the effect of obtaining control over Rambler Group in the third quarter of 2020.

In May 2021 the Group acquired a 25.0% share in JSC "Prosveschenye". The amount of the deal was determined based on the valuation of 100.0% shares of the company which comprised RR 108.0 billion. "Prosveschenye" is the largest Russian brand on the educational literature market. The investment in this company is accounted for as investment in joint venture using equity method of accounting.

In July 2020 the Group closed the deal on selling to Yandex a 45.0% share in Yandex.Market B.V. The consideration received amounted to RR 42.0 billion. The profit of the Group on sale amounted to RR 19.8 billion and was reported in other net operating income in the consolidated statement of profit or loss.

Summarised financial information on O2O, the biggest Group's joint venture accounted for using equity method of accounting is as follows:

<i>In billions of Russian Roubles</i>	31 December 2021	31 December 2020
Current assets	19.7	29.3
Non-current assets	65.7	49.3
Current liabilities	(18.2)	(21.2)
Non-current liabilities	(17.6)	(11.6)
Net assets	49.6	45.8
	<b>2021</b>	<b>2020</b>
Revenue	58.2	18.2
Loss	(43.4)	(27.8)
Total comprehensive loss	(43.4)	(27.8)

**12 Premises, Equipment and Right-of-use Assets**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Premises and equipment	744.2	670.6
Right-of-use assets	83.6	84.1
<b>Total premises, equipment and right-of-use assets</b>	<b>827.8</b>	<b>754.7</b>

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## Notes to the Consolidated Financial Statements – 31 December 2021

### 12 Premises, Equipment and Right-of-use Assets (continued)

#### Premises and equipment.

<i>in billions of Russian Roubles</i>	Office premises, including land	Other premises	Office and computer equipment	Vehicles and other equipment	Equipment leased out	Construction in progress and premises and equipment not yet ready for use	Total
<b>Carrying amount at 31 December 2019</b>	<b>285.8</b>	<b>23.5</b>	<b>128.4</b>	<b>43.4</b>	<b>76.4</b>	<b>59.3</b>	<b>616.8</b>
<b>Cost or revalued amount</b>							
Balance at the beginning of the year	285.8	29.3	372.8	76.5	85.6	59.3	909.3
Additions	5.9	1.3	2.3	2.8	0.4	130.3	143.0
Acquisitions through business combinations	0.7	—	0.6	0.1	—	0.3	1.7
Transfers	3.8	3.5	63.0	4.4	—	(74.7)	—
Transfers to investment property	(0.3)	(1.5)	—	—	—	—	(1.8)
Disposals – at cost or revalued amount	(13.2)	(1.3)	(36.2)	(4.2)	(0.3)	(5.4)	(60.6)
Adjustment of cost due to revaluation	(6.2)	—	—	—	—	—	(6.2)
Revaluation of office premises recognized in the consolidated statement of profit or loss	(5.7)	—	—	—	—	—	(5.7)
Revaluation of office premises recognized in other comprehensive income	(4.0)	—	—	—	—	—	(4.0)
Exchange differences on translating foreign operations related to cost or revalued amount	0.2	0.1	1.7	1.6	16.2	—	19.8
Reclassification to assets held for sale	(1.0)	(1.8)	—	(1.1)	—	(0.2)	(4.1)
<b>Cost or revalued amount at the end of the year</b>	<b>266.0</b>	<b>29.6</b>	<b>404.2</b>	<b>80.1</b>	<b>101.9</b>	<b>109.6</b>	<b>991.4</b>
<b>Accumulated depreciation</b>							
Balance at the beginning of the year	—	(5.8)	(244.4)	(33.1)	(9.2)	—	(292.5)
Disposals - accumulated depreciation	—	0.7	35.7	4.0	—	—	40.4
Depreciation charge	(6.2)	(1.6)	(49.8)	(7.2)	(5.3)	—	(70.1)
Depreciation charge attributed to discontinued operations	—	—	(0.7)	(0.3)	—	—	(1.0)
Adjustment of accumulated depreciation due to revaluation	6.2	—	—	—	—	—	6.2
Exchange differences on translating foreign operations related to depreciation	—	(0.1)	(1.2)	(0.9)	(1.8)	—	(4.0)
Reclassification to assets held for sale	—	0.1	—	0.1	—	—	0.2
<b>Accumulated depreciation at the end of the year</b>	<b>—</b>	<b>(6.7)</b>	<b>(260.4)</b>	<b>(37.4)</b>	<b>(16.3)</b>	<b>—</b>	<b>(320.8)</b>
<b>Carrying amount at 31 December 2020</b>	<b>266.0</b>	<b>22.9</b>	<b>143.8</b>	<b>42.7</b>	<b>85.6</b>	<b>109.6</b>	<b>670.6</b>
<b>Cost or revalued amount</b>							
Balance at the beginning of the year	266.0	29.6	404.2	80.1	101.9	109.6	991.4
Additions	13.3	0.9	11.0	8.2	6.4	138.7	178.5
Acquisitions through business combinations	0.1	0.9	0.4	0.5	—	—	1.9
Transfers	21.5	19.5	90.5	11.3	—	(142.8)	—
Transfers (to) / from investment property	0.1	(1.5)	—	—	—	—	(1.4)
Transfers (to) / from other types of property	(1.2)	—	—	—	—	—	(1.2)
Disposals – at cost or revalued amount	(6.5)	(0.9)	(32.6)	(6.9)	(2.9)	(0.1)	(49.9)
Impairment of premises and equipment recognized in the consolidated statement of profit or loss	(0.2)	—	—	—	—	—	(0.2)
Impairment of premises and equipment recognized in the consolidated statement of profit or loss attributed to discontinued operations	(0.1)	—	(1.2)	(0.5)	—	—	(1.8)
Exchange differences on translating foreign operations related to cost or revalued amount	(0.2)	—	(0.2)	(0.2)	0.6	—	—
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(1.9)	(0.6)	(3.6)	(1.2)	—	(5.5)	(12.8)
<b>Cost or revalued amount at the end of the year</b>	<b>290.9</b>	<b>47.9</b>	<b>468.5</b>	<b>91.3</b>	<b>106.0</b>	<b>99.9</b>	<b>1,104.5</b>
<b>Accumulated depreciation</b>							
Balance at the beginning of the year	—	(6.7)	(260.4)	(37.4)	(16.3)	—	(320.8)
Disposals - accumulated depreciation	1.3	0.5	31.8	4.9	—	—	38.5
Depreciation charge	(5.7)	(2.1)	(59.3)	(8.4)	(5.5)	—	(81.0)
Depreciation charge attributed to discontinued operations	—	—	(0.7)	(0.2)	—	—	(0.9)
Exchange differences on translating foreign operations related to depreciation	(0.1)	—	0.1	0.1	(0.2)	—	(0.1)
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	—	—	2.8	1.2	—	—	4.0
<b>Accumulated depreciation at the end of the year</b>	<b>(4.5)</b>	<b>(8.3)</b>	<b>(285.7)</b>	<b>(39.8)</b>	<b>(22.0)</b>	<b>—</b>	<b>(360.3)</b>
<b>Carrying amount at 31 December 2021</b>	<b>286.4</b>	<b>39.6</b>	<b>182.8</b>	<b>51.5</b>	<b>84.0</b>	<b>99.9</b>	<b>744.2</b>

**12 Premises, Equipment and Right-of-use Assets (continued)**

Construction in progress consists of construction or refurbishment of the Group's premises and equipment. Upon completion, assets are transferred to office premises, other premises or equipment categories.

Office premises are stated at revalued amount. Office premises have been revalued to market value at 31 December 2020. As at 31 December 2021 the Group performed an analysis of the office premises' fair value and considered that their current carrying value does not significantly differ from their fair value.

At 31 December 2021 the carrying amount of office premises would have been RR 235.3 billion (31 December 2020: RR 211.6 billion) had the premises been carried at cost less depreciation and impairment.

Information on revaluation of office premises is disclosed in Note 3.

**Right-of-use assets.** The Group leases office premises and land. Rental contracts are typically made for fixed periods from 1 to 49 years. Leases are recognised as a right-of-use asset and a corresponding liability from the date when the leased asset becomes available for use by the Group.

The right-of-use assets are analysed as follows:

<i>in billions of Russian Roubles</i>	<b>Office premises, including land</b>	<b>Other equipment</b>
<b>Carrying amount at 1 January 2020</b>	<b>78.3</b>	<b>—</b>
Additions	20.9	0.5
Disposals	(3.6)	—
Depreciation charge	(19.0)	(0.2)
Depreciation charge attributed to discontinued operations	(0.9)	—
Modifications and remeasurements	6.9	—
Exchange differences on translating foreign operations	1.2	—
<b>Carrying amount at 31 December 2020</b>	<b>83.8</b>	<b>0.3</b>
Additions	21.2	5.9
Disposals	(1.9)	(0.3)
Depreciation charge	(19.9)	(1.8)
Depreciation charge attributed to discontinued operations	(0.6)	(0.1)
Modifications and remeasurements	1.0	—
Impairment charge attributed to discontinued operations	(2.0)	(0.1)
Exchange differences on translating foreign operations	(0.4)	—
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(1.5)	—
<b>Carrying amount at 31 December 2021</b>	<b>79.7</b>	<b>3.9</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 12 Premises, Equipment and Right-of-use Assets (continued)

Interest expense on lease liabilities for the year ended 31 December 2021 comprised RR 6.9 billion (for the year ended 31 December 2020: RR 5.5 billion). Refer to Note 23.

Total cash outflow for leases for the year ended 31 December 2021 was RR 28.2 billion (for the year ended 31 December 2020: RR 28.6 billion).

Expenses relating to short-term leases, leases of low-value assets that are not shown as short-term leases, expenses relating to variable lease payments not included in lease liabilities are included in staff and administrative expenses in the consolidated statement of profit or loss:

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Expense relating to short-term leases	2.7	3.2
Expense relating to leases of low-value assets that are not shown above as short-term leases	0.3	0.4
Expenses relating to variable lease payments not included in lease liabilities	3.4	2.8

### 13 Disposal Groups and Non-Current Assets Held for Sale

<i>in billions of Russian Roubles</i>	31 December 2021	31 December 2020
Assets of discontinued operations	621.9	88.8
Assets of the disposal groups	—	4.9
Non-current assets held for sale	4.4	7.7
<b>Total assets of the disposal groups and non-current assets held for sale</b>	<b>626.3</b>	<b>101.4</b>
Liabilities of discontinued operations	582.3	12.3
Liabilities of the disposal groups	—	3.4
<b>Total liabilities of the disposal groups</b>	<b>582.3</b>	<b>15.7</b>

**Eurocement Group.** In July 2021 the Group has closed the deal on the sale of the parent company of Eurocement Group (GFI Investment Limited) and Eurocement Group debt to Mikhailovsky Plant of Construction Materials for RR 161.0 billion. The Group received 100.0% shares in GFI Investment Limited in the third quarter of 2020 upon the bad debt recovery procedures and since then classified assets and liabilities of Eurocement Group as discontinued operations held for sale in the Group's consolidated financial statements.

The results of Eurocement Group included in the consolidated statements of profit or loss and comprehensive income for the year ended 31 December 2021 and 31 December 2020 are presented in the table below:

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Profit for the year of discontinued operations</b>	<b>7.4</b>	<b>8.5</b>
Gain on sale of discontinued operations after income tax	65.0	—
<b>Profit from discontinued operations (attributable to shareholders of the Bank)</b>	<b>72.4</b>	<b>8.5</b>
<b>Earnings per ordinary share based on profit from discontinued operations attributable to the shareholders of the Bank, basic and diluted (expressed in RR per share)</b>	<b>3.37</b>	<b>0.40</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

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### 13 Disposal Groups and Non-current Assets Held for Sale (continued)

The effect of disposal of Eurocement Group on the financial results of the Group for the year ended 31 December 2021 is disclosed below:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>
Consideration received in cash	161.0
<b>Total disposal consideration</b>	<b>161.0</b>
Carrying amount of net assets derecognized	(79.7)
<b>Gain on sale of discontinued operations before income tax</b>	<b>81.3</b>
Income tax on result of disposal	(16.3)
<b>Gain on sale of discontinued operations after income tax</b>	<b>65.0</b>

The effect of disposal of Eurocement Group on the consolidated statement of cash flows of the Group for the year ended 31 December 2021 is disclosed below:

<i>in billions of Russian Roubles</i>	<b>Year ended 31 December 2021</b>
Consideration received in cash	161.0
less cash and cash equivalents of discontinued operations disposed of	(6.3)
<b>Proceeds from disposal of discontinued operations, net of cash and cash equivalents disposed of</b>	<b>154.7</b>

**13 Disposal Groups and Non-current Assets Held for Sale (continued)**

**Discontinued operations of Sberbank Europe AG.** In November 2021, Sberbank Europe AG signed a share purchase agreement with AIK Banka a.d. Beograd, Gorenjska Banka d.d., Kranj and Agri Europe Cyprus Limited for the sale of its subsidiary banks in Bosnia and Herzegovina (Sberbank BH d.d. Sarajevo and Sberbank a.d. Banja Luka), Croatia (Sberbank d.d.), Hungary (Sberbank Magyarország Zrt.), Serbia (Sberbank Srbija a.d. Beograd) and Slovenia (Sberbank banka d.d.).

Sberbank Europe AG has decided to reduce its geographic presence in Central and Eastern Europe in order to focus on key markets and explore new business models. Sberbank CZ A.S., located in the Czech Republic remains under the ownership of Sberbank Europe AG and will continue with its current business model.

The closing of the transaction is subject to approvals by national and international regulators as well as by national competition authorities and is expected to take place in 2022.

Starting from the date of the share purchase agreement the subsidiary banks which are in the perimeter of the deal, are considered as discontinued operations. The comparative consolidated statement of profit or loss and consolidated statement of comprehensive income have been reclassified to show the discontinued operations separately from continuing operations (Refer to Note 4). The cash flows related to the discontinued operations are separately presented in this Note.

The table below shows the assets and liabilities of subsidiary banks which are in the perimeter of the deal as at 31 December 2021:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>
<b>ASSETS</b>	
Cash and cash equivalents	107.2
Mandatory cash balances with central banks	35.3
Due from banks	16.9
Loans and advances to customers	381.8
Securities	54.9
Derivative financial assets	1.8
Deferred tax asset	4.2
Other assets	2.3
<b>Total assets of discontinued operations</b>	<b>604.4</b>
<b>LIABILITIES</b>	
Due to banks	43.9
Due to individuals	217.9
Due to corporate customers	288.5
Other borrowed funds	2.4
Derivative financial liabilities and obligations to deliver securities	0.5
Other liabilities	26.8
<b>Total liabilities of discontinued operations</b>	<b>580.0</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 13 Disposal Groups and Non-current Assets Held for Sale (continued)

The results of subsidiary banks which are in the perimeter of the deal, for the year ended 31 December 2021 and 31 December 2020 are presented in the table below.

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Interest income calculated using the effective interest method and other interest income	19.2	16.9
Interest expense calculated using the effective interest method, other interest expense and deposit insurance expenses	(3.4)	(3.0)
<b>Net interest income</b>	<b>15.8</b>	<b>13.9</b>
Fee and commission income	9.1	7.5
Fee and commission expense	(1.9)	(1.4)
<b>Net fee and commission income</b>	<b>7.2</b>	<b>6.1</b>
Net other operating income, expenses and charges	(22.5)	(36.0)
Income tax expense	(0.6)	3.0
<b>Loss for the year from discontinued operations</b>	<b>(0.1)</b>	<b>(13.0)</b>
<b>Earnings per ordinary share based on profit from discontinued operations attributable to the shareholders of the Bank, basic and diluted</b> (expressed in RR per share)	—	<b>(0.60)</b>
<b>Total other comprehensive income of discontinued operations to be reclassified to profit or loss upon disposal, net of tax</b>	<b>0.3</b>	<b>17.1</b>
<b>Accumulated gains of discontinued operations transferred to profit or loss upon disposal of discontinued operations and other movements related to discontinued operations, net of tax</b>	<b>(25.3)</b>	—
<b>Total comprehensive (loss) / income for the year from discontinued operations, attributable to shareholders of the Bank</b>	<b>(25.1)</b>	<b>4.1</b>

Total other comprehensive income of subsidiary banks which are in the perimeter of the deal are formed mainly by exchange differences on translating foreign operations.

The cash flows from / (used in) discontinued operations of subsidiary banks which are in the perimeter of the deal for the year ended 31 December 2021 and 31 December 2020 are presented below:

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Cash flows from operating activities	7.8	21.5
Cash flows used in investing activities	(1.4)	(1.1)
Cash flows used in financing activities	—	(0.8)
<b>Total cash flows from discontinued operations</b>	<b>6.4</b>	<b>19.6</b>
Effect of exchange rate changes on cash and cash equivalents	(0.4)	20.2

**14 Other Assets**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
<b>Other financial assets</b>		
Receivables on bank cards settlements	241.1	186.7
Funds in settlement	43.8	29.0
Trade receivables	46.1	38.4
Margin calls transferred	34.3	80.9
Settlements on operations with securities	33.1	20.6
Accrued fees and commissions	29.8	21.4
Restricted assets	18.4	16.8
Settlements on foreign exchange operations	7.1	15.7
Receivables from Deposit Insurance Agency	0.2	0.1
Other	19.3	14.4
<b>Total other financial assets before credit loss allowance</b>	<b>473.2</b>	<b>424.0</b>
Less credit loss allowance	(19.0)	(15.4)
<b>Total other financial assets after credit loss allowance</b>	<b>454.2</b>	<b>408.6</b>
<b>Other non-financial assets</b>		
Intangible assets and investments in development and acquisition of intangible assets	237.8	147.4
Inventory	123.7	103.4
Prepayments for premises and other assets	122.8	59.6
Precious metals	59.0	33.8
Goodwill	52.8	48.8
Investment property	23.7	6.1
Tax settlements (other than on income tax)	19.2	15.8
Prepayment on income tax	42.0	7.5
Prepaid expenses	6.9	6.4
Other	60.2	41.0
<b>Total other non-financial assets before provision for impairment</b>	<b>748.1</b>	<b>469.8</b>
Less provision for impairment of other non-financial assets	(9.2)	(9.5)
<b>Total other non-financial assets after provision for impairment</b>	<b>738.9</b>	<b>460.3</b>
<b>Share of reinsurers in provisions on insurance operations</b>		
Share of reinsurers in provision on unearned premium	3.5	0.5
Share of reinsurers in provisions on insurance operations	0.5	0.7
<b>Total share of reinsurers in provisions on insurance operations</b>	<b>4.0</b>	<b>1.2</b>
<b>Total other assets</b>	<b>1,197.1</b>	<b>870.1</b>

As at 31 December 2021 receivables on bank cards settlements of RR 241.1 billion (31 December 2020: RR 186.7 billion) represent receivables due within 30 days on operations of the Group's customers with banking cards and receivables related to settlements with international payment systems and for the purpose of ECL measurement are included in Stage 1 (12-month ECL).

**14 Other Assets (continued)**

The following tables explain the changes in the credit loss allowance / provision for impairment of other assets between the beginning and the end of the annual period.

<i>in billions of Russian Roubles</i>	<b>Other financial assets</b>	<b>Other non- financial assets</b>	<b>Total</b>
<b>Credit loss allowance and provision for impairment of other assets at 1 January 2021</b>	<b>15.4</b>	<b>9.5</b>	<b>24.9</b>
Net credit loss allowance / provision charge during the year	7.4	0.7	8.1
Net credit loss allowance /provision charge during the year of discontinued operations	52.8	—	52.8
Assets written off during the year	(4.4)	(0.9)	(5.3)
Other movements	1.3	—	1.3
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(53.5)	(0.1)	(53.6)
<b>Credit loss allowance and provision for impairment of other assets at 31 December 2021</b>	<b>19.0</b>	<b>9.2</b>	<b>28.2</b>

<i>in billions of Russian Roubles</i>	<b>Other financial assets</b>	<b>Other non- financial assets</b>	<b>Total</b>
<b>Credit loss allowance and provision for impairment of other assets at 1 January 2020</b>	<b>10.6</b>	<b>15.9</b>	<b>26.5</b>
Net credit loss allowance / provision charge during the year	9.7	2.5	12.2
Net credit loss allowance /provision charge during the year of discontinued operations	0.2	0.1	0.3
Assets written off during the year	(5.1)	(9.0)	(14.1)
<b>Credit loss allowance and provision for impairment of other assets as at 31 December 2020</b>	<b>15.4</b>	<b>9.5</b>	<b>24.9</b>

Provision for impairment of other assets is recognized by the Group on operations conducted in the normal course of the Group's business. Provision is assessed on the basis of the Group's best estimates of recoverability of other assets.

Movements in goodwill arising on the acquisition of subsidiaries for the year ended 31 December 2021 and 31 December 2020 are:

<i>in billions of Russian Roubles</i>	<b>2021</b>	<b>2020</b>
<b>Carrying amount as at 1 January</b>	<b>48.8</b>	<b>13.6</b>
Acquisition of subsidiaries	8.4	35.2
Impairment of goodwill	(4.4)	—
<b>Carrying amount as at 31 December</b>	<b>52.8</b>	<b>48.8</b>

### 14 Other Assets (continued)

Movements in intangible assets for the year ended 31 December 2021 and 31 December 2020 are as follows:

<i>in billions of Russian Roubles</i>	Note	Intangible assets generated in business combination	Licenses, software and other intangible assets	Investments in development and acquisition of intangible assets	Total
<b>Carrying amount at 31 December 2019</b>		<b>2.7</b>	<b>75.7</b>	<b>49.1</b>	<b>127.5</b>
<b>Cost of intangible assets</b>					
Balance at the beginning of the year		8.9	138.9	49.1	196.9
Additions		—	—	45.0	45.0
Internally generated		—	—	14.1	14.1
Acquisitions through business combinations		3.5	10.8	0.7	15.0
Intangible assets put into operation		—	31.1	(31.1)	—
Disposals – at cost		—	(2.7)	(1.2)	(3.9)
Impairment of intangible assets recognized in the consolidated statement of profit or loss		—	(0.2)	(23.7)	(23.9)
Impairment of intangible assets recognized in the consolidated statement of profit or loss attributed to discontinued operations		—	—	—	—
Exchange differences on translating foreign operations related to cost		—	3.7	0.5	4.2
<b>Cost of intangible assets at the end of the year</b>		<b>12.4</b>	<b>181.6</b>	<b>53.4</b>	<b>247.4</b>
<b>Accumulated amortisation</b>					
Balance at the beginning of the year		(6.2)	(63.2)	—	(69.4)
Amortisation charge	26,28	(0.6)	(29.1)	—	(29.7)
Amortisation charge attributed to discontinued operations		—	(0.7)	—	(0.7)
Disposals - accumulated amortisation		—	1.4	—	1.4
Exchange differences on translating foreign operations related to amortisation		—	(1.6)	—	(1.6)
<b>Accumulated amortisation at the end of the year</b>		<b>(6.8)</b>	<b>(93.2)</b>	<b>—</b>	<b>(100.0)</b>
<b>Carrying amount at 31 December 2020</b>		<b>5.6</b>	<b>88.4</b>	<b>53.4</b>	<b>147.4</b>
<b>Cost of intangible assets</b>					
Balance at the beginning of the year		12.4	181.6	53.4	247.4
Additions		—	8.5	92.2	100.7
Internally generated		—	—	27.2	27.2
Acquisitions through business combinations		10.6	8.6	0.3	19.5
Intangible assets put into operation		—	59.5	(59.5)	—
Disposals – at cost		(0.6)	(6.6)	(0.3)	(7.5)
Impairment of intangible assets recognized in the consolidated statement of profit or loss		—	(2.0)	(6.1)	(8.1)
Impairment of intangible assets recognized in the consolidated statement of profit or loss attributed to discontinued operations		—	(3.9)	—	(3.9)
Exchange differences on translating foreign operations related to cost		—	(0.9)	(0.1)	(1.0)
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale		(3.9)	(6.2)	—	(10.1)
<b>Cost of intangible assets at the end of the year</b>		<b>18.5</b>	<b>238.6</b>	<b>107.1</b>	<b>364.2</b>
<b>Accumulated amortisation</b>					
Balance at the beginning of the year		(6.8)	(93.2)	—	(100.0)
Amortisation charge	26,28	(2.1)	(39.6)	—	(41.7)
Amortisation charge attributed to discontinued operations		—	(0.7)	—	(0.7)
Disposals - accumulated amortisation		0.6	5.2	—	5.8
Exchange differences on translating foreign operations related to amortisation		—	0.4	—	0.4
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale		3.9	5.9	—	9.8
<b>Accumulated amortisation at the end of the year</b>		<b>(4.4)</b>	<b>(122.0)</b>	<b>—</b>	<b>(126.4)</b>
<b>Carrying amount at 31 December 2021</b>		<b>14.1</b>	<b>116.6</b>	<b>107.1</b>	<b>237.8</b>

The estimated fair value of other financial assets is disclosed in Note 36. Currency and maturity analyses of other assets are disclosed in Note 33. The information on related parties balances is disclosed in Note 39.

### 15 Due to Banks

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Due to banks at amortized cost	1,783.8	1,312.3
Due to banks at fair value through profit or loss	634.8	251.1
<b>Total due to banks</b>	<b>2,418.6</b>	<b>1,563.4</b>

Term placements of banks represent funds received on interbank market.

#### Due to banks at amortized cost

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Term placements of banks	1,156.1	805.4
Direct repo agreements with banks	339.0	384.1
Correspondent accounts and overnight placements of banks	288.7	122.8
<b>Total due to banks at amortized cost</b>	<b>1,783.8</b>	<b>1,312.3</b>

#### Due to banks at fair value through profit or loss

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Term placements of banks	78.2	12.0
Direct repo agreements with banks	556.6	239.1
<b>Total due to banks at fair value through profit or loss</b>	<b>634.8</b>	<b>251.1</b>

Refer to Note 37 for information on the amounts included in due to banks received under sale and repurchase agreements and fair value of securities pledged.

The estimated fair value of due to banks and fair value measurement technique used are disclosed in Note 36. Currency and maturity analyses of due to banks are disclosed in Note 33. The information on related parties balances as well as state-controlled entities and government bodies balances is disclosed in Notes 39 and 40.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 16 Due to Individuals and Corporate Customers

<i>in billions of Russian Roubles</i>	31 December 2021	31 December 2020
<b>Individuals:</b>		
- Current / demand accounts	7,961.1	6,253.0
- Term deposits	9,884.0	10,382.6
- Direct repo agreements	9.7	20.1
<b>Total due to individuals</b>	<b>17,854.8</b>	<b>16,655.7</b>
<b>State and public organizations:</b>		
- Current / settlement accounts	199.7	226.3
- Term deposits	1,123.5	1,021.3
- Direct repo agreements	929.3	387.5
<b>Total due to state and public organizations</b>	<b>2,252.5</b>	<b>1,635.1</b>
<b>Other corporate customers:</b>		
- Current / settlement accounts	3,410.5	3,038.8
- Term deposits	4,693.7	4,480.2
- Direct repo agreements	100.9	25.9
<b>Total due to other corporate customers</b>	<b>8,205.1</b>	<b>7,544.9</b>
<b>Total due to corporate customers</b>	<b>10,457.6</b>	<b>9,180.0</b>
<b>Total due to individuals and corporate customers</b>	<b>28,312.4</b>	<b>25,835.7</b>

As at 31 December 2021 included in amounts due to individuals are current accounts with individuals in unallocated precious metals designated at FVPL in the amount of RR 186.4 billion (31 December 2020: RR 197.1 billion).

As at 31 December 2021 included in amounts due to corporate customers are current accounts in unallocated precious metals, term deposits and direct repo agreements with corporate customers designated at FVPL in the amount of RR 74.7 billion (31 December 2020: RR 35.8 billion).

As at 31 December 2021 included in due to corporate customers are deposits of RR 409.5 billion (31 December 2020: RR 301.3 billion) held as collateral for irrevocable commitments under letters of credit. Refer to Note 34.

Economic sector risk concentrations within due to individuals and corporate customers are as follows:

<i>in billions of Russian Roubles</i>	31 December 2021		31 December 2020	
	Amount	%	Amount	%
Individuals	17,854.8	63.1	16,655.7	64.5
Oil and gas	2,008.9	7.1	2,173.5	8.4
Municipal bodies and state organizations	1,681.8	5.9	1,284.8	5.0
Services	910.6	3.2	863.8	3.3
Trade	821.9	2.9	747.5	2.9
Real estate	672.8	2.4	567.8	2.2
Construction	607.5	2.1	557.0	2.2
Metallurgy	585.3	2.1	543.3	2.1
Machinery	441.8	1.6	422.0	1.6
Food and agriculture	391.6	1.4	319.2	1.2
Energy	393.5	1.4	284.0	1.1
Transport and logistics	416.3	1.5	253.4	1.0
Telecommunications	222.0	0.8	193.6	0.7
Chemical	152.2	0.5	107.9	0.4
Timber industry	91.7	0.3	62.7	0.2
Other	1,059.7	3.7	799.5	3.2
<b>Total due to individuals and corporate customers</b>	<b>28,312.4</b>	<b>100.0</b>	<b>25,835.7</b>	<b>100.0</b>

**16 Due to Individuals and Corporate Customers (continued)**

As at 31 December 2021 the Group had 20 largest groups of related customers with balances above RR 35.0 billion each (31 December 2020: 20 largest groups of related customers with balances above RR 20.8 billion each). The aggregate balance of these customers was RR 4,612.7 billion (31 December 2020: RR 4,128.4 billion) or 16.3% (31 December 2020: 16.0%) of total due to individuals and corporate customers.

Refer to Note 37 for information on the amounts due to corporate customers received under sale and repurchase agreements and carrying value of assets pledged.

The estimated fair value of due to individuals and corporate customers and fair value measurement technique used are disclosed in Note 36. Currency and maturity analyses of due to individuals and corporate customers are disclosed in Note 33. The information on related parties balances as well as state-controlled entities and government bodies balances is disclosed in Notes 39 and 40.

**17 Debt Securities in Issue**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Debt securities issued on the local market	785.8	642.5
Loan participation notes issued under the MTN programme of Sberbank	109.8	171.7
<b>Total debt securities in issue</b>	<b>895.6</b>	<b>814.2</b>

As at 31 December 2021 included in debt securities issued on the local market are debt securities issued by the Bank which are represented by stock exchange bonds issued in Russian Roubles with maturity dates from two to five years, contractual interest rates of 5.3% to 8.8% p.a. in the amount of RR 521.3 billion (31 December 2020: RR 420.4 billion).

Debt securities issued under MTN programme of Sberbank are represented by Series 9 issue with the nominal value of USD 1,500 million, maturity date in February 2022 and contractual interest rate of 6.1% p.a.

The estimated fair value of debt securities in issue and fair value measurement technique used are disclosed in Note 36. Currency and maturity analyses of debt securities in issue are disclosed in Note 33.

### 18 Derivative Financial Liabilities and Obligations to Deliver Securities

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Derivative financial liabilities	399.1	311.3
Obligations to deliver securities	131.5	62.7
<b>Total derivative financial liabilities and obligations to deliver securities</b>	<b>530.6</b>	<b>374.0</b>

The composition of derivative financial liabilities as at 31 December 2021 and 31 December 2020 is presented below:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Foreign currency	138.0	62.2
Interest rate	78.4	81.9
Foreign currency interest rate	54.3	71.1
Commodities including precious metals	44.7	41.4
Equities	44.7	39.4
Credit risk	0.3	0.4
Debt securities	—	0.2
Other	38.7	14.7
<b>Total derivative financial liabilities</b>	<b>399.1</b>	<b>311.3</b>

For the detailed analysis of the derivative instruments of the Group refer to Note 35.

Currency and maturity analyses of derivative financial liabilities and obligations to deliver securities are disclosed in Note 33. The information on related parties balances is disclosed in Note 39.

**19 Other Liabilities**

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
<b>Provisions on insurance and pension fund operations</b>		
Provisions on pension fund operations	764.8	692.0
Provisions on insurance operations	581.2	503.2
Provision on unearned premium	17.4	11.6
<b>Total provisions on insurance and pension fund operations</b>	<b>1,363.4</b>	<b>1,206.8</b>
<b>Other financial liabilities</b>		
Funds in settlement	147.5	32.0
Lease liabilities	88.2	87.0
Payables	83.6	52.4
Accrued employee benefit costs	64.7	50.9
Payables on bank card settlements	53.4	18.8
Margin calls received	45.3	50.0
Deposit insurance system fees payable	21.9	16.6
Settlements on operations with securities	21.9	15.3
Liabilities and commitments related to business combinations and investments in associates / joint ventures	2.4	34.9
Dividends payable	2.1	3.0
Other	52.7	40.4
<b>Total other financial liabilities</b>	<b>583.7</b>	<b>401.3</b>
<b>Other non-financial liabilities</b>		
Credit loss allowance for credit related commitments and provision for other contingencies and commitments	69.8	65.9
Taxes payable other than on income	39.5	33.3
Advances received	37.8	33.1
Prepayments on bank card commissions	8.2	9.8
Deferred commissions received on guarantees issued and undrawn credit lines	3.7	3.3
Income tax payable	3.6	14.9
Other	8.7	4.8
<b>Total other non-financial liabilities</b>	<b>171.3</b>	<b>165.1</b>
<b>Total other liabilities</b>	<b>2,118.4</b>	<b>1,773.2</b>

**19 Other Liabilities (continued)**

Movement in the credit loss allowance for credit related commitments and provision for other contingencies and commitments during the year ended 31 December 2021 is as follows:

<i>in billions of Russian Roubles</i>	Guarantees issued	Commitments to extend credit and undrawn credit lines	Letters of credit	Other contingencies and commitments	Total
<b>Credit loss allowance for credit related commitments and provision for other contingencies and commitments at 1 January 2021</b>	<b>17.6</b>	<b>17.2</b>	<b>0.7</b>	<b>30.4</b>	<b>65.9</b>
Net credit loss allowance /provision charge for the year	9.4	12.4	1.1	3.0	25.9
Net credit loss allowance /provision charge for the year of discontinued operations	0.1	(0.1)	—	(18.6)	(18.6)
Write-off and utilization	(0.1)	—	—	(0.8)	(0.9)
Exchange differences on translating foreign operations	(0.1)	0.1	—	0.4	0.4
Other movements	—	—	—	1.3	1.3
Disposal of subsidiaries and reclassification of discontinued operations and assets held for sale	(0.3)	(0.2)	—	(3.7)	(4.2)
<b>Credit loss allowance for credit related commitments and provision for other contingencies and commitments at 31 December 2021</b>	<b>26.6</b>	<b>29.4</b>	<b>1.8</b>	<b>12.0</b>	<b>69.8</b>

**19 Other Liabilities (continued)**

Movement in the credit loss allowance for credit related commitments and provision for other contingencies and commitments during the year ended 31 December 2020 is as follows:

<i>in billions of Russian Roubles</i>	Guarantees issued	Commitments to extend credit and undrawn credit lines	Letters of credit	Other contingencies and commitments	Total
<b>Credit loss allowance for credit related commitments and provision for other contingencies and commitments at 1 January 2020</b>	<b>26.1</b>	<b>9.5</b>	<b>1.7</b>	<b>7.7</b>	<b>45.0</b>
Net credit loss allowance /provision charge for the year	(8.6)	6.7	(1.1)	3.0	—
Net credit loss allowance /provision charge for the year of discontinued operations	(0.1)	0.2	—	19.7	19.8
Write-off and utilization	—	—	—	(0.1)	(0.1)
Exchange differences on translating foreign operations	0.2	0.8	0.1	0.1	1.2
<b>Credit loss allowance for credit related commitments and provision for other contingencies and commitments at 31 December 2020</b>	<b>17.6</b>	<b>17.2</b>	<b>0.7</b>	<b>30.4</b>	<b>65.9</b>

**Provisions on insurance and pension fund operations.** The provisions on insurance and pension fund operations consist predominantly of actuarial provisions. The tables below represent the movement of these provisions for insurance contracts with/without discretionary participation features (DPF) and for investment contracts with DPF.

The table below represents the movement of gross actuarial provision on insurance operations (not adjusted for reinsurers' share) for the year ended 31 December 2021:

<i>in billions of Russian Roubles</i>	Insurance contracts with DPF	Insurance contracts without DPF	Investment contracts with DPF	Total gross insurance contracts
<b>Provision at 1 January 2021</b>	<b>101.3</b>	<b>411.1</b>	<b>2.4</b>	<b>514.8</b>
Increase related to new contracts	25.6	92.5	3.5	121.6
Payments and transfers	(2.8)	(82.9)	—	(85.7)
Other movements including changes on run-off contracts	18.8	26.8	1.6	47.2
Foreign currency translation	0.5	0.2	—	0.7
<b>Provision at 31 December 2021</b>	<b>143.4</b>	<b>447.7</b>	<b>7.5</b>	<b>598.6</b>

**19 Other Liabilities (continued)**

The table below represents the movement of gross actuarial provision on insurance operations (not adjusted for reinsurers' share) for the year ended 31 December 2020:

<i>in billions of Russian Roubles</i>	<b>Insurance contracts with DPF</b>	<b>Insurance contracts without DPF</b>	<b>Investment contracts with DPF</b>	<b>Total gross insurance contracts</b>
<b>Provision at 1 January 2020</b>	<b>57.1</b>	<b>383.2</b>	<b>—</b>	<b>440.3</b>
Increase related to new contracts	28.4	47.9	2.4	78.7
Payments and transfers	(3.9)	(45.4)	—	(49.3)
Other movements including changes on run-off contracts	15.2	19.0	—	34.2
Foreign currency translation	4.5	6.4	—	10.9
<b>Provision at 31 December 2020</b>	<b>101.3</b>	<b>411.1</b>	<b>2.4</b>	<b>514.8</b>

The table below represents the movement of actuarial provision on pension fund operations for the year ended 31 December 2021:

<i>in billions of Russian Roubles</i>	<b>Insurance contracts with DPF</b>	<b>Investment contracts with DPF</b>	<b>Total gross insurance and investment contracts</b>
<b>Provision at 1 January 2021</b>	<b>643.0</b>	<b>49.0</b>	<b>692.0</b>
Acquisition of new subsidiary	—	23.4	23.4
Increase related to new contracts	0.9	22.3	23.2
Payments and transfers	(6.9)	(4.0)	(10.9)
Other movements including changes on run-off contracts	35.3	1.8	37.1
<b>Provision at 31 December 2021</b>	<b>672.3</b>	<b>92.5</b>	<b>764.8</b>

The table below represents the movement of actuarial provision on pension fund operations for the year ended 31 December 2020:

<i>in billions of Russian Roubles</i>	<b>Insurance contracts with DPF</b>	<b>Investment contracts with DPF</b>	<b>Total gross insurance and investment contracts</b>
<b>Provision at 1 January 2020</b>	<b>602.8</b>	<b>39.4</b>	<b>642.2</b>
Increase related to new contracts	9.4	10.7	20.1
Payments and transfers	(6.9)	(2.8)	(9.7)
Other movements including changes on run-off contracts	37.7	1.7	39.4
<b>Provision at 31 December 2020</b>	<b>643.0</b>	<b>49.0</b>	<b>692.0</b>

### 19 Other Liabilities (continued)

**Pension plans for employees of the Group.** The Group applies IAS 19 Employee Benefits for accounting for its pension liabilities. As at 31 December 2021 the Group operates two pension plans – pension plan with defined pension payments/benefits and plan with defined pension contributions.

All the employees of the Bank (including retired) who were entitled to state pension payments or had five years or less to retirement and whose continuous employment with the Bank reached seven years as at 1 January 2011 participate in the pension plan with defined benefits (monthly payment from the Bank in addition to the state pension).

The amount of payments is determined mainly based on overall period of employment with the Bank and salary of an employee as at the date of retirement. Employees who participate in pension plan with defined benefit are not eligible for participation in pension plan with defined contribution.

Pension plan with defined contribution consists of two sub-plans: “Social” and “Parity”.

Employees of the Bank with grades from 1st to 8th with more than three years of continuous employment with the Bank and which reached 40 years old for women and 45 years old for man participate in Social pension plan with defined pension contributions. According to the programme employees whose continuous employment with the Bank reaches seven years become entitled to these contributions (opening of personal pension account in Non-state Pension Fund of Sberbank) upon retirement. The size of contribution rate is calculated as a percent of salary at 31 December of each year.

Employees of the Bank with grade 9 or above and more than one year of continuous employment with the Bank can (at their own decision) participate in Parity pension plan with defined pension contributions (as well as employees with grades from 1st to 8th who voluntarily switched from Social plan to Parity one). Employees can enter the programme after probation period. The plan assumes the Bank’s co-financing of employee’s pension account. The Bank performs contribution semi-annually in the proportion 1:1 to total amount of employee’s contribution for respective six months although limited to 5 percent of employee’s annual and semi-annual salary. Employees whose continuous participation in this programme reaches five years become entitled to the Bank’s contributions.

As at 31 December 2021 pension liabilities of the Group comprised RR 14.0 billion (31 December 2020: RR 16.5 billion) and were included in accrued employee benefit costs in Other liabilities line of the consolidated statement of financial position. Pension expenses for the year ended 31 December 2021 amounted to RR 2.2 billion (31 December 2020: RR 1.6 billion) and were included in staff costs within staff and administrative expenses in the consolidated statement of profit or loss.

The estimated fair value of other financial liabilities is disclosed in Note 36. Currency and maturity analyses of other liabilities are disclosed in Note 33. The information on related parties balances is disclosed in Note 39.

### 20 Subordinated Debt

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Subordinated debt received from the Bank of Russia	349.5	349.5
Subordinated debt issued under the MTN programme of Sberbank	138.1	138.1
Other subordinated debt	64.9	—
<b>Total subordinated debt</b>	<b>552.5</b>	<b>487.6</b>

Other subordinated debt in the table above represents subordinated debt issued on the local market by the Bank in Russian Roubles.

Changes in the carrying value of subordinated debt are represented by repayments of principal and interest disclosed in the consolidated statement of cash flows, incurred interest expense disclosed in Interest income and expense note and foreign exchange translation differences.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 20 Subordinated Debt (continued)

Description of the subordinated debt received by the Group from the Bank of Russia is presented in the table below:

Drawdown date	Currency	Contractual interest rate, % p.a.	Nominal value in currency of issue, in millions	31 December 2021		31 December 2020		Effective interest rate, % p.a.
				Carrying value, in billions of RR	Effective interest rate, % p.a.	Nominal value in currency of issue, in millions	Carrying value, in billions of RR	
October - November 2008	RR	6.5	295,646	299.4	6.5	295,646	299.4	6.5
June 2014	RR	6.5	49,993	50.1	6.5	49,993	50.1	6.5
<b>Total subordinated debt received from the Bank of Russia</b>				<b>349.5</b>			<b>349.5</b>	

In March 2015, following the amendments to the Federal Law of the Russian Federation “On additional measures for supporting the financial system of the Russian Federation” terms and conditions of the subordinated loans received from the Bank of Russia were modified. As it was allowed by the Federal Law the Bank elected to roll over these subordinated loans for 50 years from the date of the original drawdown with an ability to unilaterally (without consent from the Bank of Russia) roll over this subordinated facility at its maturity. As at 31 December 2021 and 31 December 2020 the interest rate on the subordinated loan was set at 6.5% p.a.

In accordance with applicable law, in the second quarter of 2020 the Bank of Russia ceded in favor of the Ministry of Finance claims to the Bank in the nominal amount of RR 150.0 billion under the subordinated loan agreement dated 16 June 2014. In the third quarter of 2020 based on the terms of the additional agreement between the Bank and the Ministry of Finance, the part of subordinated loan which was ceded previously to the Ministry of Finance was classified as equity financial instrument. Refer to Note 22.

Description of the subordinated debt issued under the MTN programme of Sberbank is presented in the table below:

Issue	Drawdown date	Maturity date	Currency	Nominal value in currency of issue, in millions	Contractual interest rate, % p.a.	31 December 2021		31 December 2020	
						Carrying value, in billions of RR	Effective interest rate, % p.a.	Carrying value, in billions of RR	Effective interest rate, % p.a.
Series 12	29 October 2012	29 October 2022	USD	2,000	5.1	80.7	5.2	81.2	5.2
Series 16	23 May 2013	23 May 2023	USD	1,000	5.3	57.4	5.4	56.9	5.4
<b>Total subordinated debt issued under the MTN programme of Sberbank</b>						<b>138.1</b>		<b>138.1</b>	

In the event of the Bank’s liquidation the claims of the holders of the subordinated debt would be subordinated to all other creditors.

The estimated fair value of subordinated debt and fair value measurement technique used are disclosed in Note 36. Currency and maturity analyses of subordinated debt are disclosed in Note 33. The information on related parties balances as well as state-controlled entities and government bodies balances is disclosed in Notes 39 and 40.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 21 Share Capital and Treasury Shares

<i>in billions of Russian Roubles, except for number of shares</i>	31 December 2021			31 December 2020		
	Number of shares, in millions	Nominal amount	Inflation adjusted nominal amount	Number of shares, in millions	Nominal amount	Inflation adjusted nominal amount
Ordinary shares	21,587	64.8	83.3	21,587	64.8	83.3
Preference shares	1,000	3.0	4.4	1,000	3.0	4.4
<b>Total share capital</b>	<b>22,587</b>	<b>67.8</b>	<b>87.7</b>	<b>22,587</b>	<b>67.8</b>	<b>87.7</b>
Share premium			232.6			232.6
<b>Total share capital and share premium</b>			<b>320.3</b>			<b>320.3</b>

As at 31 December 2021 all ordinary shares have a nominal value of RR 3 per share and rank equally. Each ordinary share carries one vote. All issued ordinary shares are fully paid. Preference shares have a nominal value of RR 3 per share and carry no voting rights but rank ahead of the ordinary shares in the event of the Bank's liquidation. Preference shares are not redeemable. Dividend payments are at the discretion of the Bank. When a dividend is paid, the preference shares attract a minimum payment of annual dividends of 15.0% of their nominal value and approved by shareholders meeting. If preference dividends are not declared, the preference shareholders obtain the right to vote as ordinary shareholders, but lose this right when the next dividend is paid. Preference share dividends are set at 623.3% of nominal value for the year ended 31 December 2020 (623.3% of nominal value for the year ended 31 December 2019). Preference share dividends rank above ordinary share dividends.

The treasury shares as at 31 December 2021 and 31 December 2020 were as follows:

<i>in billions of Russian Roubles, except for number of shares</i>	31 December 2021			31 December 2020		
	Number of shares, in millions	Inflation adjusted nominal amount	Acquisition cost	Number of shares, in millions	Inflation adjusted nominal amount	Acquisition cost
Ordinary shares	130.3	0.5	29.9	69.6	0.3	9.9
Preference shares	34.0	0.1	3.4	39.2	0.2	4.5
<b>Total treasury shares</b>	<b>164.3</b>	<b>0.6</b>	<b>33.3</b>	<b>108.8</b>	<b>0.5</b>	<b>14.4</b>

### 22 Perpetual Subordinated Loan

In accordance with applicable law, in the second quarter of 2020 the Bank of Russia ceded RR 150.0 billion claims to the Bank under the subordinated loan agreement dated 16 June 2014 in favor of the Ministry of Finance. In the third quarter of 2020 the Bank and the Ministry of Finance signed an additional agreement in relation to this loan balance, resulting in classification of this loan balance as equity financial instrument, which is included in Tier 1 capital for the purpose of capital adequacy ratio calculation in accordance with the Basel Committee for Banking Supervision requirements. The Bank of Russia also confirmed the inclusion of this loan balance in Tier 1 capital for the purpose of regulatory capital adequacy ratio calculation. Taking into consideration revised terms and conditions of this loan balance and its classification as equity, the Group accounts for interest payments as distributions from equity and only once those are paid or committed.

The interest payments on perpetual subordinated loan in the amount of RR 9.7 billion were made in December 2021 (in December 2020: RR 5.2 billion).

### 23 Interest Income and Expense

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Interest income calculated using the effective interest method</b>		
<b>Interest income on debt financial assets / liabilities measured at amortized cost:</b>		
- Loans and advances to customers	2,169.6	1,944.2
- Debt securities	109.8	100.0
- Operations with banks	33.5	33.1
- Cash and cash equivalents	2.3	3.0
- Other	0.2	0.5
	<b>2,315.4</b>	<b>2,080.8</b>
<b>Interest income on debt financial assets measured at fair value through other comprehensive income:</b>		
- Debt securities measured at fair value through other comprehensive income	261.2	179.6
	<b>261.2</b>	<b>179.6</b>
<b>Total interest income calculated using the effective interest method</b>	<b>2,576.6</b>	<b>2,260.4</b>
<b>Other interest income:</b>		
- Loans and advances to customers at fair value through profit or loss	90.1	67.7
- Due from banks at fair value through profit or loss	37.9	23.5
- Securities at fair value through profit or loss	26.5	25.6
<b>Total other interest income</b>	<b>154.5</b>	<b>116.8</b>
<b>Interest expense calculated using the effective interest method</b>		
<b>Interest expense on financial assets / liabilities measured at amortized cost:</b>		
- Due to individuals - term deposits	(321.8)	(370.4)
- Due to corporate customers - term deposits	(277.2)	(162.7)
- Due to individuals - current / demand accounts	(53.9)	(37.0)
- Debt securities in issue	(51.4)	(46.5)
- Operations with banks	(41.8)	(18.7)
- Subordinated debt	(33.0)	(36.5)
- Due to corporate customers - current / settlement accounts	(30.2)	(25.2)
- Lease liabilities	(6.9)	(5.5)
- Other borrowed funds	(3.0)	(0.5)
- Other	(0.5)	(0.5)
<b>Total interest expense calculated using the effective interest method</b>	<b>(819.7)</b>	<b>(703.5)</b>
<b>Other interest expense:</b>		
- Due to banks measured at fair value through profit or loss	(25.3)	(18.5)
- Obligation to deliver securities	(5.1)	(2.4)
- Due to corporate customers measured at fair value	(0.9)	(0.2)
<b>Total other interest expense</b>	<b>(31.3)</b>	<b>(21.1)</b>
<b>Deposit insurance expenses</b>	<b>(78.1)</b>	<b>(62.9)</b>
<b>Net interest income</b>	<b>1,802.0</b>	<b>1,589.7</b>

### 24 Fee and Commission Income and Expense

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Fee and commission income</b>		
Operations with banking cards:		
- Acquiring, commissions of payment systems and other similar commissions	415.8	311.4
- Service fees	66.9	67.0
- Other	5.3	6.7
Cash and settlements transactions	269.5	246.2
Client operations with foreign currencies and precious metals	60.2	55.8
Documentary and other credit related commitments commissions	31.6	27.1
Securities and commodities brokerage, custodian and investment banking (including syndications) commissions	16.9	16.0
Agent commissions	24.5	14.9
Other	26.8	21.1
<b>Total fee and commission income</b>	<b>917.5</b>	<b>766.2</b>
<b>Fee and commission expense</b>		
Operations with banking cards:		
- Commissions to payment systems and other similar commissions	(203.3)	(146.3)
- Loyalty programs	(59.8)	(45.4)
- Other	(12.4)	(10.7)
Settlement transactions	(7.6)	(6.6)
Client operations with foreign currencies	(0.2)	(0.4)
Other	(17.4)	(11.5)
<b>Total fee and commission expense</b>	<b>(300.7)</b>	<b>(220.9)</b>
<b>Net fee and commission income</b>	<b>616.8</b>	<b>545.3</b>

All the fee and commission income and expense of the Group are not related to assets and liabilities at fair value through profit or loss.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 25 Net gains / (losses) from derivatives, trading in foreign currencies, foreign exchange and precious metals accounts translation

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Net gains from trading in foreign currencies, operations with foreign currency derivatives and foreign exchange translation:		
- Net foreign exchange translation (losses) / gains	(110.4)	60.9
- Net gains / (losses) from operations with foreign currency and foreign currency interest rate derivatives	75.6	(80.4)
- Net gains from trading in foreign currencies	47.1	37.7
Net gains from operations with precious metals, precious metals derivatives and precious metals accounts translation	2.5	15.4
Net gains from operations with other derivatives	38.2	27.1
<b>Total net gains from derivatives, trading in foreign currencies, foreign exchange and precious metals accounts translation</b>	<b>53.0</b>	<b>60.7</b>

### 26 Net Results of Non-core Business Activities

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Revenue:</b>		
Revenue from sale of goods	87.6	26.2
Revenue from rendering of services	40.1	17.6
Revenue from operating lease	3.2	1.1
Revenue from completed construction contracts	0.1	1.0
Revenue from other activities	12.0	10.0
<b>Total revenue of non-core business activities</b>	<b>143.0</b>	<b>55.9</b>
<b>Cost of sales and other expenses:</b>		
Cost of goods sold	(73.7)	(18.8)
Staff costs	(17.5)	(10.1)
Amortization of intangible assets	(6.8)	(1.7)
Transport costs	(4.2)	(0.3)
Depreciation of premises and equipment and right-of-use assets	(4.8)	(3.1)
Maintenance of premises and equipment	(1.9)	(0.8)
Other expenses	(36.7)	(13.8)
<b>Total cost of sales and other expenses</b>	<b>(145.6)</b>	<b>(48.6)</b>
<b>Total net result of non-core business activities</b>	<b>(2.6)</b>	<b>7.3</b>

Other expenses of non-core business activities include mainly expenses related to delivery of goods, advertising expenses, royalty and other expenses.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 27 Net Premiums, Claims, Benefits, Change in Contract Liabilities and Acquisition Costs on Insurance and Pension Fund Operations

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Net premium</b>		
Gross premium written	258.4	182.8
Premium ceded to reinsurers	(6.6)	(1.5)
Change in provision on unearned premium including reinsurers' share	(2.9)	0.8
Premium returns	(1.2)	—
<b>Total net premiums</b>	<b>247.7</b>	<b>182.1</b>
<b>Net claims, benefits and changes in contract liabilities</b>		
Gross benefits and claims	(94.8)	(58.3)
Claims ceded to reinsurers	0.5	0.3
Change in contract liabilities including reinsurers' share	(127.4)	(124.8)
<b>Total net claims, benefits and changes in contract liabilities</b>	<b>(221.7)</b>	<b>(182.8)</b>
Acquisition cost	(4.6)	(4.8)
<b>Total net claims, benefits, changes in contract liabilities and acquisition costs from insurance and pension fund operations</b>	<b>(226.3)</b>	<b>(187.6)</b>
<b>Net premiums, claims, benefits, change in contract liabilities and acquisition costs on insurance and pension fund operations</b>	<b>21.4</b>	<b>(5.5)</b>

### 28 Staff and Administrative Expenses

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Staff costs	518.8	457.6
Depreciation of premises, equipment and right-of-use assets	92.4	80.9
Administrative expenses	49.7	34.0
Repairs and maintenance of premises and equipment	45.6	48.2
Telecommunication expenses	35.2	29.6
Amortization of intangible assets	34.9	28.0
Taxes other than on income	33.6	26.5
Advertising and marketing services	21.6	11.7
Consulting and assurance services	7.1	8.9
Short-term, low value and variable lease expenses	6.4	6.3
Other	13.3	6.8
<b>Total staff and administrative expenses</b>	<b>858.6</b>	<b>738.5</b>

For the year ended 31 December 2021 expenses for defined contribution pension plans amounted to RR 67.3 billion (for the year ended 31 December 2020: RR 63.2 billion).

The Bank operates several long-term incentive programmes. In 2015 the Group has introduced long-term cash-settled incentive programmes for top management and risk takers with share-based features. The program was launched on the basis of the concept of risk-based remuneration and fully complies with the requirements of the Bank of Russia for remuneration systems for Russian credit institutions.

**28 Staff and Administrative Expenses (continued)**

The program is based on the following parameters:

- 40% of the variable part of the annual compensation is deferred and is paid subsequently in 3 annual installments;
- payments to the participants of the programme are contingent upon the Bank's positive performance, e.g. if the Bank has a loss in any of the 3 years following the year in which the award was granted, payments to the participants are forfeited for that particular year;
- awards may be fully or partially forfeited, for example, due to individual misconduct (including a breach of regulations) or termination for cause and also due to negative individual contributions to the Bank's results.

In 2021 the Bank launched long-term share-based incentive programmes for key employees and middle management. These programmes aim at attracting and retaining highly qualified employees with the Bank, bringing their financial interests closer to the strategic interests of the Bank and its shareholders.

The main general parameters of these programmes are as follows:

- payment is made in Bank's ordinary shares; in addition, programme participants are paid dividends that they would have received if they had held shares during the programme cycle until the date of delivery of equity instruments;
- implementation in three-year cycles with annual interim payments;
- in order to receive the payment, the programme participant must be employed with the Group as at the date the payment is made.

The amount of payment under the long-term incentive programmes for key employees depends additionally on the hours worked.

Starting 2021 cycle long-term remuneration of middle management risk takers is carried out based on the incentive programme with settlements in shares. The amount of payment under long-term incentive programmes for middle management risk takers additionally depends on realization of admitted risks.

Long-term share-based compensation settled in cash is revalued quarterly at the end of the quarter based on the market price of the Bank's ordinary shares.

Long-term equity-settled share-based compensation is determined on the date when the award is granted based on the market price of the Bank's ordinary shares. Subsequently long-term equity-settled compensation is not remeasured.

As at 31 December 2021 the total maximum number of shares that can be received by participants under equity-settled programmes comprised 26.5 million ordinary shares of the Bank.

For 2021, expenses for long-term share-based incentive programmes (including revaluation due to changes in price of the Bank's ordinary shares) amounted to RR 10.7 billion.

Payables on long term share-based compensation as at 31 December 2021 amounted to RR 6.9 billion.

### 29 Income Taxes

Income tax expenses consist of the following components:

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Current tax	296.0	197.1
Deferred tax	(2.3)	(3.8)
<b>Income tax expense for the year</b>	<b>293.7</b>	<b>193.3</b>

The income tax rate applicable to the major part of the Group's income for 31 December 2021 is 20% (31 December 2020: 20%).

Reconciliation between the expected and the actual taxation charge is provided below:

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Profit before tax</b>	<b>1,474.6</b>	<b>976.1</b>
Theoretical tax charge at statutory rate (2021: 20%; 2020: 20%)	294.9	195.2
Tax effect on income on government securities taxed at rates other than 20%	(14.8)	(10.3)
Non-deductible staff costs	2.1	1.2
Unrecognized tax assets	4.3	0.5
Differences between 20% and income tax rate adopted in jurisdiction of subsidiary	(0.9)	1.5
Other non-temporary differences	8.1	5.2
<b>Income tax expense for the year</b>	<b>293.7</b>	<b>193.3</b>

Differences between IFRS and Russian statutory taxation regulations and between IFRS and local taxation regulations for foreign subsidiaries give rise to temporary differences between the carrying amount of assets and liabilities for financial reporting purposes and their tax bases. The tax effect of the movements in these temporary differences is detailed below and is recorded at the rate of 20% (31 December 2020: 20%), except for income on state, municipal and certain other types of securities that is taxed at 15% (31 December 2020: 15%) and on dividends that are taxed at 15%, 13% and 0% (31 December 2020: 15%, 13% and 0%) and except for the temporary differences related to foreign subsidiaries for which local corporate tax rates are applied.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 29 Income Taxes (continued)

<i>in billions of Russian Roubles</i>	31 December 2020	Business combinations and disposal of subsidiaries	Credited/ (charged) to profit or loss	Credited/ (charged) to profit or loss of discontinued operations	Recognized in other comprehen- sive income	Currency translation differences	Reclassification of discontinued operations	31 December 2021
<b>Tax effect of deductible temporary differences</b>								
Staff expenses accrued (bonuses, annual leave, pension liabilities)	1.8	—	1.6	—	—	—	—	3.4
Credit loss allowance for debt financial assets	15.5	(0.9)	(11.1)	—	—	—	(3.6)	(0.1)
Accounting for derivatives at fair value	12.9	—	(4.7)	—	—	—	—	8.2
Accounting for loans	52.6	0.3	4.0	—	—	—	—	56.9
Other provisions	6.4	0.1	(1.0)	0.1	—	—	(0.2)	5.4
Write-down of low value assets	2.4	—	(0.4)	—	—	—	—	2.0
Accounting for financial contracts with embedded derivatives	1.7	—	—	—	—	—	—	1.7
Accrual of expenses on customer loyalty programs	0.5	—	0.4	—	—	—	—	0.9
Accounting for securities	0.6	—	3.3	—	0.2	—	—	4.1
Tax losses carry forward	12.7	(0.2)	11.0	(0.2)	—	—	(0.1)	23.2
Other	39.4	0.3	(0.6)	—	—	—	(0.5)	38.6
<b>Gross deferred tax asset</b>	<b>146.5</b>	<b>(0.4)</b>	<b>2.5</b>	<b>(0.1)</b>	<b>0.2</b>	<b>—</b>	<b>(4.4)</b>	<b>144.3</b>
<b>Tax effect of taxable temporary differences</b>								
Credit loss allowance for debt financial assets	(66.9)	(16.3)	1.4	—	—	—	—	(81.8)
Accounting for derivatives at fair value	(7.9)	—	(2.4)	—	—	(0.1)	—	(10.4)
Accounting for loans	(9.9)	—	2.2	—	—	—	—	(7.7)
Other provisions	(0.7)	—	—	—	—	—	—	(0.7)
Accounting for financing by the effective rate method and early redemption of own issued bonds	(6.0)	(0.8)	(0.6)	—	—	—	—	(7.4)
Depreciation and initial cost or revalued amount of premises and equipment	(39.6)	—	(1.8)	—	0.2	—	—	(41.2)
Credit related commitments provision	(5.2)	—	4.4	—	—	—	—	(0.8)
Accrual of expenses on customer loyalty programs	(2.4)	—	—	—	—	—	—	(2.4)
Accounting for securities	(15.7)	—	(7.4)	—	42.4	—	—	19.3
Other	(6.7)	(3.3)	4.0	—	—	—	0.1	(5.9)
<b>Gross deferred tax liability</b>	<b>(161.0)</b>	<b>(20.4)</b>	<b>(0.2)</b>	<b>—</b>	<b>42.6</b>	<b>(0.1)</b>	<b>0.1</b>	<b>(139.0)</b>
<b>Net deferred tax asset</b>	<b>23.2</b>	<b>(0.4)</b>	<b>16.7</b>	<b>(0.1)</b>	<b>0.2</b>	<b>—</b>	<b>(4.4)</b>	<b>35.2</b>
<b>Net deferred tax liability</b>	<b>(37.7)</b>	<b>(20.4)</b>	<b>(14.4)</b>	<b>—</b>	<b>42.6</b>	<b>(0.1)</b>	<b>0.1</b>	<b>(29.9)</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 29 Income Taxes (continued)

<i>in billions of Russian Roubles</i>	31 December 2019	Business combinations and disposal of subsidiaries	Credited/ (charged) to profit or loss	Credited/ (charged) to profit or loss of discontinued operations	Recognized in other comprehen- sive income	Currency translation differences	31 December 2020
<b>Tax effect of deductible temporary differences</b>							
Staff expenses accrued (bonuses, annual leave, pension liabilities)	1.8	—	—	—	—	—	1.8
Credit loss allowance for debt financial assets	6.1	—	5.8	3.5	—	0.1	15.5
Accounting for derivatives at fair value	2.8	—	10.1	—	—	—	12.9
Accounting for loans	41.9	—	10.8	(0.2)	—	0.1	52.6
Other provisions	5.5	—	0.9	—	—	—	6.4
Accounting for financing by the effective rate method and early redemption of own issued bonds	1.3	—	(1.3)	—	—	—	—
Write-down of low value assets	2.1	—	0.3	—	—	—	2.4
Accounting for financial contracts with embedded derivatives	1.7	—	—	—	—	—	1.7
Accrual of expenses on customer loyalty programs	—	—	0.5	—	—	—	0.5
Accounting for securities	1.1	—	(0.5)	—	—	—	0.6
Tax losses carry forward	5.1	2.8	4.8	(0.2)	—	0.2	12.7
Other	24.5	—	14.8	0.1	—	—	39.4
<b>Gross deferred tax asset</b>	<b>93.9</b>	<b>2.8</b>	<b>46.2</b>	<b>3.2</b>	<b>—</b>	<b>0.4</b>	<b>146.5</b>
<b>Tax effect of taxable temporary differences</b>							
Credit loss allowance for debt financial assets	(48.1)	—	(18.8)	—	—	—	(66.9)
Accounting for derivatives at fair value	(4.5)	—	(3.4)	—	—	—	(7.9)
Accounting for loans	(5.2)	—	(4.7)	—	—	—	(9.9)
Other provisions	(0.7)	—	—	—	—	—	(0.7)
Depreciation and initial cost or revalued amount of premises and equipment	(41.3)	—	0.5	—	1.2	—	(39.6)
Accounting for financing by the effective rate method and early redemption of own issued bonds	—	—	(6.0)	—	—	—	(6.0)
Credit related commitments provision	(4.7)	—	(0.5)	—	—	—	(5.2)
Accrual of expenses on customer loyalty programs	(2.4)	—	—	—	—	—	(2.4)
Accounting for securities	(2.8)	—	(3.2)	—	(9.7)	—	(15.7)
Other	—	(0.3)	(6.3)	—	—	(0.1)	(6.7)
<b>Gross deferred tax liability</b>	<b>(109.7)</b>	<b>(0.3)</b>	<b>(42.4)</b>	<b>—</b>	<b>(8.5)</b>	<b>(0.1)</b>	<b>(161.0)</b>
<b>Net deferred tax asset</b>	<b>14.6</b>	<b>2.8</b>	<b>2.2</b>	<b>3.2</b>	<b>—</b>	<b>0.4</b>	<b>23.2</b>
<b>Net deferred tax liability</b>	<b>(30.4)</b>	<b>(0.3)</b>	<b>1.6</b>	<b>—</b>	<b>(8.5)</b>	<b>(0.1)</b>	<b>(37.7)</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 29 Income Taxes (continued)

As at 31 December 2021 the taxable temporary difference between investments in subsidiaries in the statement of financial position of the parent company for tax purposes and value of net assets of subsidiaries under IFRS amounted to RR 78.8 billion (31 December 2020: the taxable temporary difference of RR 74.4 billion). In accordance with IAS 12 “Income Taxes” respective deferred tax liability of RR 15.8 billion (31 December 2020: respective deferred tax liability of RR 14.9 billion) was not recognized in the financial statements, since the Group has an ability to control the timing of temporary difference reversal and it is not expected that temporary differences will be reversed in the foreseeable future.

### 30 Earnings per Share and Dividends

Basic earnings per share are calculated by dividing the profit attributable to the holders of ordinary shares of the Bank by the weighted average number of ordinary shares in issue during the period, excluding treasury shares. The Bank has no dilutive potential ordinary shares, except for share-based long term incentive programmes settled in shares. The effect of those programmes as at 31 December 2021 is negligible, therefore the diluted earnings per share for the purpose of these consolidated financial statements presented equal to the basic earnings per share.

Earnings per ordinary share based on profit for the period attributable to the shareholders of the Bank, basic and diluted, are calculated in the table below.

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Profit for the year attributable to the shareholders of the Bank	1,250.7	761.1
Less preference dividends declared	(18.1)	(18.4)
Less interest payments on perpetual subordinated loan	(9.7)	(5.2)
<b>Profit attributable to the ordinary shareholders of the Bank</b>	<b>1,222.9</b>	<b>737.5</b>
Weighted average number of ordinary shares in issue (billions)	21.5	21.5
<b>Earnings per ordinary share based on profit for the year attributable to the shareholders of the Bank, basic and diluted (expressed in RR per share)</b>	<b>56.98</b>	<b>34.36</b>

Earnings per ordinary share based on profit from continuing operations attributable to the shareholders of the Bank, basic and diluted, are calculated in the table below.

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Profit from continuing operations attributable to the shareholders of the Bank	1,185.7	783.6
Less preference dividends declared	(18.1)	(18.4)
Less interest expense on perpetual subordinated loan	(9.7)	(5.2)
<b>Profit from continuing operations attributable to the ordinary shareholders of the Bank</b>	<b>1,157.9</b>	<b>760.0</b>
Weighted average number of ordinary shares in issue (billions)	21.5	21.5
<b>Earnings per ordinary share based on profit from continuing operations attributable to the shareholders of the Bank, basic and diluted (expressed in RR per share)</b>	<b>53.95</b>	<b>35.41</b>

Earnings per ordinary share based on profit from discontinued operations attributable to the shareholders of the Bank are disclosed in Note 13.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 30 Earnings per Share and Dividends (continued)

In April 2021 the Annual General Shareholders' Meeting of the Bank declared dividends for 2020 of RR 422.4 billion (including RR 2.6 billion of ordinary dividends and RR 0.6 billion of preference dividends attributable to the treasury shares). The dividends for 2020 were paid to shareholders in May 2021.

In September 2020 the Annual General Shareholders' Meeting of the Bank declared dividends for 2019 of RR 422.4 billion (including RR 1.3 billion of ordinary dividends and RR 0.3 billion of preference dividends attributable to the treasury shares). The dividends for 2019 were paid to the shareholders in October 2020.

<i>in billions of Russian Roubles</i>	Year ended 31 December 2021		Year ended 31 December 2020	
	Ordinary	Preference	Ordinary	Preference
Dividends payable as at 1 January	2.4	0.6	3.0	0.4
Dividends declared during the year	401.1	18.1	402.4	18.4
Derecognition of liability related to prior period dividends not claimed	(0.7)	—	—	—
Dividends paid during the year	(401.3)	(18.1)	(403.0)	(18.2)
<b>Dividends payable as at 31 December</b>	<b>1.5</b>	<b>0.6</b>	<b>2.4</b>	<b>0.6</b>
<b>Dividends per share declared during the year (expressed in RR per share)</b>	<b>18.70</b>	<b>18.70</b>	<b>18.70</b>	<b>18.70</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 31 Other Reserves

		Attributable to shareholders of the Bank							
		Revaluation reserve for office premises	Fair value reserve for debt instruments measured at FVOCI	Liabilities reserve for buyout of non- controlling interest	Foreign currency translation reserve	Reserve for OCI of associates and JVs	Remeasure- ment of defined benefit pension plans	Reserve for incentive programs for employees	Total
<i>in billions of Russian Roubles</i>	Note								
<b>Balance as at 31 December 2019</b>		<b>44.6</b>	<b>88.2</b>	<b>(2.2)</b>	<b>1.8</b>	<b>—</b>	<b>(2.1)</b>	<b>—</b>	<b>130.3</b>
<b>Changes in equity for the year ended</b>									
<b>31 December 2020</b>									
Transfer of revaluation reserve for office premises upon disposal or depreciation		(3.7)	—	—	—	—	—	—	(3.7)
Other comprehensive (loss) / income for the year		(3.2)	38.9	—	60.1	0.5	(0.6)	—	95.7
Recognition of liabilities reserve for buyout of non-controlling interest		—	—	(9.0)	—	—	—	—	(9.0)
<b>Balance as at 31 December 2020</b>		<b>37.7</b>	<b>127.1</b>	<b>(11.2)</b>	<b>61.9</b>	<b>0.5</b>	<b>(2.7)</b>	<b>—</b>	<b>213.3</b>
<b>Changes in equity for the year ended</b>									
<b>31 December 2021</b>									
Transfer of revaluation reserve for office premises upon disposal or depreciation		(2.3)	—	—	—	—	—	—	(2.3)
Other comprehensive (loss) / income for the year		(0.4)	(172.1)	—	(33.4)	(0.7)	1.1	—	(205.5)
Recognition of liabilities reserve for buyout of non-controlling interest		—	—	(6.8)	—	—	—	—	(6.8)
Recognition of reserve for incentive programs for employees	28	—	—	—	—	—	—	2.8	2.8
Reclassification of revaluation reserve for office premises upon disposal of discontinued operations		(0.2)	—	—	—	—	—	—	(0.2)
<b>Balance as at 31 December 2021</b>		<b>34.8</b>	<b>(45.0)</b>	<b>(18.0)</b>	<b>28.5</b>	<b>(0.2)</b>	<b>(1.6)</b>	<b>2.8</b>	<b>1.3</b>

**32 Segment Analysis**

Segments represent business lines, the operating results of which are regularly reviewed by the authorized management which is represented by the Bank's Management Board and the heads of business units (the "Management"). The Management determines the strategy, allocates resources and evaluates the results of the Group's performance.

**Description of the major products and services of the segments**

In accordance with IFRS 8 "Operating Segments", the Group has identified the following reportable segments:

- Banking business;
- Payment business;
- Wealth management and brokerage;
- Risk insurance;
- Non-financial business;
- Other.

*Banking business*

The banking business is focused on providing banking products to all customer groups (corporate clients: the largest customers, large, medium and small businesses, government bodies, financial organizations; individuals). This segment includes the following products / services:

- provision of lending products to corporate clients (lending, trade and export financing, interbank and overdraft lending, REPO, leasing, other financing instruments);
- provision of lending products to individuals (consumer loans, credit cards and overdrafts, mortgage loans, car loans);
- issuance and maintenance of banking cards;
- operations with derivative financial instruments, foreign currencies, precious metals, commodities and securities;
- debt and capital markets funding services and custody services;
- documentary operations: guarantees, letters of credit;
- deposit and corporate structured products;
- other commission services (for example cash collection services, salary projects).

*Payment business*

The payment business is focused on meeting the needs of individuals and corporate clients in payment products and services. This business segment includes the following main products / services:

- cash and settlement services for corporate clients;
- currency control;
- domestic and international payments and transfers of individuals;
- acquiring services.

**32 Segment Analysis (continued)***Wealth management and brokerage*

The wealth management and brokerage business focuses on services to individuals and corporate clients in the area of pension accounts and asset management services, brokerage and life insurance. This segment includes the following services:

- brokerage services (for individuals and corporate clients);
- asset management and financial consulting services;
- provision of lending products to individuals on operations in financial markets (REPO, margin lending, securities lending);
- pension accounts management;
- investment and endowment life insurance.

*Risk insurance*

Risk insurance products are provided to both individuals and corporate clients. The main products are:

- credit insurance;
- non-credit risk insurance;
- corporate insurance products.

*Non-financial business*

Non-financial business is focused on the development and provision of new types of services through the companies of the Group or through companies where the Group has an equity stake in the following main sub-segments – E - Commerce, FoodTech & Mobility, entertainment, Health and B2Bservices. These sub-segments are represented by the following services.

**E-commerce:** includes e-commerce and logistic services. The main companies of the sub-segment are Sberlogistics, SberMarket, Samokat, SberMegaMarket (joined the Group in April 2021), Sber Eapteka (since February 2021).

**Entertainment:** audio and video streaming services and other media services. The main companies of the sub-segment are OKKO, SberZvuk, Soyuzmultfilm, and subscription service SberPrime.

**FoodTech & Mobility:** includes food delivery, taxi and car sharing services. The main companies of the sub-segment are Delivery Club, Local Kitchen, Citymobil, You Drive.

**Health:** includes digital services in healthcare such as telemedicine, doctor's appointment, sick calls, patient's distant monitoring, electronic medical record and some others. This sub-segment includes SberHealth.

**B2B services:** non-financial services for legal entities which includes:

- **Cloud services:** storage and processing of information in clouds. This sub-segment includes SberCloud.
- **Cybersecurity:** services for the protection of personal and commercial data, cyber attacks defense. This sub-segment includes BI.ZONE company.
- **Other services:** marketing services, biometrics and other non-financial services for legal entities.

In addition, other companies included in the non-financial business segment provide to customers services of mobile virtual operator, job search, support of real estate transactions and a number of other services. The main other companies included in the non-financial business segment are Sberbank Telecom, SberDevices, Jobs for You, DomClick.

*Other*

The "Other" business segment includes a number of non-core assets and unallocated items.

**32 Segment Analysis (continued)****Factors taken into account in determining the reportable segments**

The presentation of segment reporting by the Group is based on the main business lines that have their own development strategies, separate management procedures, as well as product and geographical specialization, and the results of which are regularly reviewed by the management for making management decisions.

**Assessment of segment profit and loss, assets and liabilities.**

Segment reporting is generally based on International Financial Reporting Standards, taking into account differences caused by the time of reporting, the perimeter of the included subsidiaries and a number of adjustments to comply with the Group's management reporting standards. Where applicable, segment income and expense line items include results from reallocations of financial resources performed by treasury and transactions between segments / subsidiaries. Transactions between segments and between subsidiaries are carried out on a regular basis and generally on the terms reflecting market conditions. Segments result also includes the allocation of support functions costs which is based on the most appropriate drivers. The main differences between the Group's reporting under IFRS and segment reporting are presented later in this Note.

During 2021 the Group refined presentation of the intersegment transactions and adjusted the methodology on calculation of several operational metrics. The comparative information in the segment reporting was amended accordingly.

The Group evaluates the operating results of its segments based on profit before tax. Information on the financial position and performance of the reportable segments as at 31 December 2021 and 31 December 2020 and for the years then ended is presented below.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 32 Segment Analysis (continued)

<i>In billions of Russian Roubles</i>	Banking business		Payment business		Wealth management and brokerage		Risk insurance		Non-financial business		Other		Intersegment eliminations		Total	
	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020
<b>Revenue from:</b>																
- external customers	2,931.9	2,606.7	515.7	406.2	147.2	104.3	128.4	98.4	186.8	71.4	34.7	31.4	–	–	3,944.7	3,318.4
- other segments	72.4	47.8	–	–	8.0	6.1	–	–	7	–	–	–	(87.4)	(53.9)	–	–
<b>Total revenue</b>	<b>3,004.3</b>	<b>2,654.5</b>	<b>515.7</b>	<b>406.2</b>	<b>155.2</b>	<b>110.4</b>	<b>128.4</b>	<b>98.4</b>	<b>193.8</b>	<b>71.4</b>	<b>34.7</b>	<b>31.4</b>	<b>(87.4)</b>	<b>(53.9)</b>	<b>3,944.7</b>	<b>3,318.4</b>
<b>Segment performance:</b>																
Operating income before credit losses allowance and other provisions	1,939.3	1,724.5	390.0	320.6	67.3	66.5	92.3	78.5	7.5	30.4	50.8	34.5	(38.2)	(30.2)	2,509.0	2,224.8
Net (charge) / recovery of credit loss allowance and other provisions	(174.3)	(488.0)	–	–	(0.1)	(1.1)	(0.4)	(0.2)	(0.2)	(0.4)	–	(0.1)	–	–	(175.0)	(489.8)
Staff and administrative expenses	(627.3)	(568.7)	(121.4)	(109.6)	(28.1)	(21.2)	(25.0)	(16.9)	(61.4)	(23.9)	(30.7)	(28.8)	35.3	27.7	(858.6)	(741.4)
<b>Profit / (loss) before tax (segment result)</b>	<b>1,137.7</b>	<b>667.8</b>	<b>268.6</b>	<b>211.0</b>	<b>39.1</b>	<b>44.2</b>	<b>66.9</b>	<b>61.4</b>	<b>(54.1)</b>	<b>6.1</b>	<b>20.1</b>	<b>5.6</b>	<b>(2.9)</b>	<b>(2.5)</b>	<b>1,475.4</b>	<b>993.6</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 32 Segment Analysis (continued)

In the fourth quarter of 2021 the Group classified several subsidiary banks of Sberbank Europe AG and some other subsidiaries as discontinued operations, as a result segment information for comparative purposes was adjusted to reflect the respective classification. Refer to Note 4.

Also during 2021 the Group made certain other adjustments to the classification of some income / expense items in the segment reporting. The impact of these other amendments was not significant and did not exceed RR 25.8 billion effect on any amended indicator.

The revenue of the "Banking", "Payment" and "Other" business segments includes the following components: interest income, commission income, operating lease income, revenue of non-financial subsidiaries, and other operating income.

The revenue of the "Wealth Management and Brokerage" and "Risk Insurance" business segments includes the following components: commission income, gross premiums written, pension contributions received, and interest income (for brokerage and asset management).

The revenue of the "Non-financial" business segment includes revenue from sales of goods or services, commission income, and also the Group's share of revenue from sales of goods or services of associates and joint ventures (except for data of Yandex Market, interest in which was disposed by the Group in 2020).

The table below comprises information on assets and liabilities of each reportable segment as at 31 December 2021 and 31 December 2020.

	Segment assets		Segment liabilities	
	31 December 2021	31 December 2020	31 December 2021	31 December 2020
<i>in billions of Russian Roubles</i>				
Banking business	39,303.9	34,506.4	34,371.0	29,925.6
Payment business	71.2	71.1	17.2	18.9
Wealth management and brokerage	1,743.5	1,623.4	1,595.2	1,518.6
Risk insurance	135.2	92.8	112.5	80.0
Non-financial business	268.1	136.6	113.5	64.9
Other	484.4	334.8	74.9	74.4
Intersegment eliminations	(597.5)	(568.1)	(603.4)	(566.7)
<b>Total</b>	<b>41,408.8</b>	<b>36,197.0</b>	<b>35,680.9</b>	<b>31,115.7</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 32 Segment Analysis (continued)

The table below shows a more detailed structure of income and expenses of the Banking business reporting segment.

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Interest income</b>		
- Due from banks	67.1	65.7
- Loans and advances to corporate customers	1,068.7	996.2
- Loans and advances to individuals	1,139.9	995.8
- Debt securities	315.0	232.0
- Other	1.2	2.8
	<b>2,591.9</b>	<b>2,292.5</b>
<b>Interest expense</b>		
- Due to banks	(85.3)	(60.2)
- Due to corporate customers	(331.4)	(202.9)
- Due to individuals	(330.5)	(389.0)
- Debt securities in issue	(69.3)	(64.2)
- Deposit insurance expenses	(72.7)	(61.9)
- Other	(6.0)	(5.2)
	<b>(895.2)</b>	<b>(783.4)</b>
<b>Fee and commission income</b>		
- Corporate customers	122.5	108.4
- Individuals	246.4	225.3
- Other	17.4	13.2
	<b>386.3</b>	<b>346.9</b>
<b>Fee and commission expense</b>		
- Corporate customers	(10.4)	(9.1)
- Individuals	(160.8)	(122.9)
- Other	(7.9)	(5.6)
	<b>(179.1)</b>	<b>(137.6)</b>
Net income from trading operations	34.2	67.3
Other net operating income / (losses)	1.2	(61.2)
<b>Operating income before credit loss allowance and other provisions</b>	<b>1,939.3</b>	<b>1,724.5</b>
Net charge for credit loss allowance and other provisions	(174.3)	(488.0)
Staff and administrative expenses	(627.3)	(568.7)
<b>Profit before tax (segment result)</b>	<b>1,137.7</b>	<b>667.8</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 32 Segment Analysis (continued)

The table below shows a more detailed structure of income and expenses for the Payment Business reporting segment.

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Payment products for individuals	116.6	99.0
Payment products for corporate customers	273.4	221.6
<b>Operating income before credit loss allowance and other provisions</b>	<b>390.0</b>	<b>320.6</b>
Staff and administrative expenses	(121.4)	(109.6)
<b>Profit before tax (segment result)</b>	<b>268.6</b>	<b>211.0</b>

The table below shows a more detailed structure of income and expenses for the reporting segment Wealth Management and Brokerage.

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Gross premium written and pension contributions	122.7	83.5
Net interest income	91.6	85.1
Net income from trading operations	28.1	51.7
Net commission income	17.0	14.2
Change in insurance provisions / pension liabilities	(107.3)	(115.6)
Payments on insurance and pension contracts	(81.9)	(48.6)
Acquisition costs	(2.6)	(2.1)
Investment expenses	(1.5)	(1.3)
Other net operating income / (losses)	1.2	(0.4)
<b>Operating income before credit loss allowance and other provisions</b>	<b>67.3</b>	<b>66.5</b>
Net charge for credit loss allowance and other provisions	(0.1)	(1.1)
Staff and administrative expenses	(28.1)	(21.2)
<b>Profit before tax (segment result)</b>	<b>39.1</b>	<b>44.2</b>

The table below shows a more detailed structure of income and expenses for the Risk Insurance reporting segment.

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Gross premium written and pension contributions	119.4	91.6
Change in insurance provisions	(11.1)	(1.3)
Payments on insurance contracts	(18.8)	(13.0)
Acquisition costs	(5.7)	(5.7)
Net commission income	4.3	2.8
Net investment income	4.3	4.1
Other net operating losses	(0.1)	—
<b>Operating income before credit loss allowance and other provisions</b>	<b>92.3</b>	<b>78.5</b>
Net charge for credit loss allowance and other provisions	(0.4)	(0.2)
Staff and administrative expenses	(25.0)	(16.9)
<b>Profit before tax (segment result)</b>	<b>66.9</b>	<b>61.4</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 32 Segment Analysis (continued)

The table below presents additional financial and operating metrics of the Non-Financial business segment (information in the table below does not include data of Yandex Market, interest in which was disposed by the Group in 2020).

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
Revenue	193.8	71.4
EBITDA or adjusted EBITDA where applicable	(43.9)	(12.5)
<b>Including:</b>		
<b>E-Commerce</b>		
GMV	118.2	12.9
EBITDA	(39.0)	(6.4)
Number of orders (in millions)	130.6	29.0
<b>FoodTech &amp; Mobility</b>		
Revenue	17.0	6.4
EBITDA	(9.1)	(10.1)
Number of rides (in millions)	183.7	189.4
Number of orders (in millions)	94.5	62.4
Number of connected restaurants and stores as at 31 December 2021 and 31 December 2020, Delivery Club (in thousands)	53.2	39.0
<b>Entertainment</b>		
Revenue	14.4	7.5
Adjusted EBITDA	(11.8)	(5.0)
SberPrime subscribers as at 31 December 2021 and 31 December 2020 (in millions)	4.3	0.4
Number of clients with subscription access to the service as at 31 December 2021 and 31 December 2020 (including SberPrime subscribers):		
- Okko (in millions)	5.6	2.8
- SberZvuk (in millions)	4.5	0.8
<b>Health</b>		
Revenue	4.0	2.5
EBITDA	(0.1)	0.2
Number of on-line doctor's appointments (in thousands)	1,140.9	752.7
Number of telemedicine consultations (in thousands)	553.1	200.3
<b>B2B services</b>		
Revenue	58.5	32.1
EBITDA	10.8	6.0
<b>Including:</b>		
<b>Cloud services:</b>		
Revenue	9.1	3.3
EBITDA	4.0	0.1
<b>Cybersecurity:</b>		
Revenue	9.5	9.4
EBITDA	1.6	2.9

**32 Segment Analysis (continued)**

Starting from the consolidated financial statements for the nine months ended 30 September 2021 the Group changed the approach for calculation of financial and business metrics of operational sub-segment «Entertainment»:

- Financial results of SberPrime product were included in financial metrics of the sub-segment (net of intragroup operations with Okko and SberZvuk);
- In order to produce more accurate presentation of financial results of the sub-segment EBITDA ratio was replaced by adjusted EBITDA which includes expenses for amortization of internally generated content.

The comparable data of sub-segment «Entertainment» for the year ended 31 December 2020 is presented in accordance with the adjusted approach for calculation of financial metrics.

EBITDA for the purpose of these consolidated financial statements is a profit before amortization, finance expense / income and profit tax.

Adjusted EBITDA for the purpose of these consolidated financial statements is a profit before amortization, finance expense / income and profit tax adjusted for amortization of internally generated content. This metric is used for sub-segment «Entertainment».

GMV for E-Commerce includes total sales in monetary-value for merchandise sold through the platform (own and third party sales), revenue from complimentary and other services (delivery, promotion, data, etc.) reduced by returns, sales discounts and other promotion costs (for example, promotions, coupons). All data includes VAT.

Revenue, EBITDA, adjusted EBITDA and GMV of associates or joint ventures are included into the metrics on a pro-rata basis to the Group's interest in respective companies during the reporting period. For the Group companies the metrics above are included on a 100% basis from the control acquisition date. Operating metrics are disclosed on a 100% basis from the investment date and are not affected by the Group's participation interest.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 32 Segment Analysis (continued)

The table below shows the reconciliation of profit before tax for the reporting segments (segment result) to the Group's profit before tax under IFRS for the years ended 31 December 2021 and 31 December 2020:

<i>in billions of Russian Roubles</i>	Year ended 31 December	
	2021	2020
<b>Total profit before tax (segment result)</b>	<b>1,475.4</b>	<b>993.6</b>
Timing difference in credit loss allowance calculation	(5.3)	(7.9)
Difference in recognition of commissions on banking cards operations	—	(3.5)
Timing difference in accounting of other provisions and low value items	(0.7)	(2.2)
Difference in accounting for operations with property due to different accounting value	(0.5)	(0.9)
Difference in accounting for discontinued operations	1.6	—
Other	4.1	(3.0)
<b>The Group's profit before tax under IFRS</b>	<b>1,474.6</b>	<b>976.1</b>

The segment assets and liabilities insignificantly differ from those in the consolidated statement of financial position prepared under IFRS. Those differences arise from some differences in the consolidation perimeter as well as from classification and valuation of some assets and liabilities.

Geographical information presented below is based on the geographical location of the Group's companies:

<i>in billions of Russian Roubles</i>	Year ended 31 December 2021			Year ended 31 December 2020		
	Russia	Other countries	Total	Russia	Other countries	Total
Revenue from external clients	3,833.8	110.9	3,944.7	3,234.7	83.7	3,318.4

<i>in billions of Russian Roubles</i>	31 December 2021			31 December 2020		
	Russia	Other countries	Total	Russia	Other countries	Total
Non-current assets	1,196.8	23.8	1,220.6	837.7	29.4	867.1

### 33 Financial and Insurance Risk Management

The Group manages the following risks: credit risk, market risk, liquidity risk, insurance risk, operational risk, compliance risk and other risks.

Risk management system is the part of the overall management system of the Group which aims to provide sustainable development of the Bank and the Group members in line with the approved Development Strategy.

Basic principles of the risk management system are set in Strategy for managing risks and capital of the Group approved by Supervisory Board.

The main objectives and goals of the risk management system are:

- provision / maintenance of acceptable risk level within the risk appetite and/or other limits and restrictions;
- provision of capital adequacy level in order to cover significant risks;
- ensuring the financial stability of the Bank and the Group, minimizing possible financial losses from the impact of risks recognized by the Bank and the Group within the defined risk appetite in accordance with the Development Strategy;
- ensuring the efficient allocation of resources to optimize the risk / return ratio of the Group;
- ensuring the business going concern and planning the optimal management of the Bank's and Group's business, taking into account possible stressful conditions;
- compliance with the requirements of the state authorities of the Russian Federation governing the activities of the Group as a whole and individual members of the Group, as well as the requirements of the state authorities of the countries where the members of the Group operate.

To ensure effective risk management and to minimize conflict of interests between risk acceptance, limits and control over risk level, as well as audit of risks and capital management system, the organizational structure of the Bank and the members of the Group is developed taking into consideration the need for segregation of functions and responsibilities between departments in line with "3 defence lines" principle:

- at the first defence line, risk level management is performed within the limits set up;
- at the second defence line, independent risk assessment and control are realized;
- at the third defence line, independent appraisal of efficiency of risk management and capital management system and its compliance with internal and external requirements is performed.

**33 Financial and Insurance Risk Management (continued)**

Risk management is performed at five levels defined below:

- at the level of the Annual General Shareholders' Meeting – within the framework of credit risk management approval of transactions / significant transactions for which concernment exists, in cases provided by federal law and Charter of the Bank;
- at the level of the Supervisory Board of the Bank – approval of the risk management strategy and the Group's capital management strategy; establishment and control of appetite for risk at the Supervisory Board level and target levels of risk of the Bank and the Group; approval of stress-testing scenarios and plans for recovery of financial stability of the Group; control of the effectiveness of risk management and capital adequacy management;
- at the level of the Bank's Executive Board, through the Group Risks Committee – management of aggregated Group risk; organization of risk management and capital adequacy management; approval of committees list responsible for certain risks management and departments responsible for risks;
- at the level of the Bank's committees responsible for certain risks management – certain risks management within the framework of restrictions and requirements established by the Bank's Executive Board, the Group Risks Committee;
- at the level of structural departments of the Bank responsible for certain risks as well as at the level of corporate bodies and structural departments of the Group's members – certain risks management in the Bank and in the companies of the Group within the framework of restrictions and requirements established by the Bank's Executive Board, the Group Risks Committee, the Bank's committees responsible for certain risks management.

**33 Financial and Insurance Risk Management (continued)**

Integrated risk management process includes five core steps:

- risks identification and their assessment for significance – aimed to identify all the risks which the Group is exposed to;
- aggregated assessment of risks and amount of capital – the purpose of the stage is to determine the amount of capital required to cover losses in case of risks realization;
- setting up risk appetite – the purpose of the stage is approval by the Bank's Supervisory Board of the maximum acceptable level of risks that the Group is entitled to take, as well as to set up the system of limits and restrictions to meet the Group's defined risk appetite;
- planning the level of exposure to the risks – the purpose of the stage is to determine the target level of risks of the Group by taking into account risk metrics in the business plan of the Group;
- management of aggregated risk level – aimed to match actual risk level of the Group with the target levels.

The Group is constantly developing risk management system in order to fit to the best practices and recommendations of regulators. Thereby risk management methods and processes are continually integrated and improved on aggregate level as well as on the level of specific risks management systems.

**Credit risk** is the risk of losses caused by full or partial loss of asset's value or increase in liabilities due to default or deterioration of credit quality (migration) of the counterparty / issuer / third party for the following instruments (received as collateral as well):

- for financial instrument in transaction with counterparty;
- for security of the issuer;
- for derivative financial instrument linked to credit event of third party.

The Group's maximum exposure to credit risk is reflected in the carrying amounts of financial assets in the consolidated statement of financial position. For guarantees and commitments to extend credit, the maximum exposure to credit risk is the amount of the commitment.

The objectives of the risk management system are:

- conformity of the Group's credit risk level to the risk appetite level set by the integrated risk management system (and/or to other limits and restrictions) and its optimization in line with management's decisions in order to ensure sustainable development of the Group, the Bank or other Group members in line with macroeconomic parameters and the Group's Development Strategy approved by the Supervisory Board of the Bank;
- compliance with the credit risk management requirements of federal authorities and local regulators of the countries in which the Group members operate;
- compliance with international standards and banks' best practices in the area of credit risk management.

Credit risk management policy applied by the Group aims to:

- implement comprehensive approach to credit risk management; optimize industry, regional and product structure of loan portfolios of the Group, the Bank and other Group members for the purposes of credit risk level management;
- increase competitive advantage of the Group in the area of rendering products exposed to credit risks by more precise assessment of credit risks accepted and implementation of credit risks management actions;
- maintenance of sustainability during expansion of product range of the Group members (introduction of more complicated products) by means of adequate risk assessment and risk management, including credit risk management.

**33 Financial and Insurance Risk Management (continued)**

The Group applies the following main methods of credit risk management:

- prevention of credit risk by identifying, analysing and assessing potential risks before entering the transaction creating risk exposure;
- planning the level of credit risk by assessing the level of expected losses;
- implementation of common risk assessment and identification processes;
- limiting credit risk by setting exposure and / or risk limits;
- structuring of transactions;
- collateral management;
- monitoring and control of credit risk level;
- application of decision-making authority system;
- making credit loss allowances.

Credit risk management system of the Group is organized on the basis of integrated risk management principles including:

- risk awareness – decision on conducting of operations is made only when a comprehensive analysis of credit risks accompanying these operations is done;
- segregation of duties – minimization of conflict of interests that may potentially arise when accepting credit risks or in the process of methodology for risks assessment/management/control development as well as in the process of audit (“3 defense lines” principle);
- improvement of systems for assessment and management of credit risks;
- monitoring and control of credit risks;
- combination of centralized and decentralized approach – ensuring greater efficiency and responsiveness to changes in the level of certain types of credit risks and their aggregated level accepted by the members of the Group;
- key management involvement – regular review of information about the level of accepted credit risks and facts of violation of established procedures on credit risks management, limits and restrictions;
- development of risk culture;
- application of motivation system which complies to the requirements of the Bank of Russia taking into account credit risks;
- usage of information technologies.

The Group’s credit risk level control and monitoring system works on the basis of principles stated in Group’s internal documents which provide preliminary, current and subsequent control over operations subject to credit risk, compliance with risk limits and their timely actualization.

The Group closely monitors its credit risk concentration and compliance with requirements of the regulator, making analysis and forecast of credit risk level. In analysis, monitoring and management of credit risk concentration the following steps are used:

- keeping the list of related borrowers groups which is based on the developed criteria for identification of legally and economically related borrowers;
- control of large loans to single borrower or to related borrowers within the group;
- control over exposures to industry or country.

**33 Financial and Insurance Risk Management (continued)**

The control and limitation of risk, as well as the control of expected losses of the Bank and the Group members due to the default of the borrower / group of related borrowers, is performed using a system of limits for each line of business. The limit is determined on the basis of risk level of the borrower, which is calculated based on assessment of financial and non-financial (qualitative) position of the borrower. Indicators of market and external influence of the borrower, characteristics of management quality, business reputation assessment and other factors are used as non-financial factors in assessment. The Bank has implemented an automated system for managing credit risk limits.

In relation to corporate credit risks, a multilevel system of limits has been developed for managing credit risk, which is used to limit the risks of credit operations and operations on financial markets.

Country risk stands separately in the group of credit risks. Country risk is a risk of losses related to impossibility or unwillingness of the Group's counterparties to fulfill their obligations due to economic, political, social changes which took place in a foreign state, or if the currency of the foreign state is inaccessible to the Group's counterparty due to specifics of local and/or national legislation (irrespective of financial position of the counterparty). The counterparties exposed to country risk are:

- residents of the foreign state (including sovereign borrowers);
- those counterparties who have assets on the territory of the foreign state;
- those counterparties who carry the ultimate risk in the foreign jurisdiction (i.e. if sources of debt repayments for the Group's counterparty are connected with residents of the foreign state).

The system of country risk limits is the main instrument of country risk management. The system of country risk limits restricts the volume and/or other parameters of transactions exposed to country risk taking into account specification level in order to comply with restrictions set within the Group.

Retail credit risks limits are set to limit the credit risk of individuals and are grouped in the following way:

- structural limits (this group includes such limit types as limit for lending scheme, limit for the product/group of approved products);
- authority limits (divided into authority limits of collegial body and personal limits);
- limits of risk concentration by the exposure to the borrower (this group includes the limit of borrower's debt amount);
- limits for the lending department (this group includes the limit of received application amount).

The Group operates a system of internal ratings which is based on economic-mathematical models for estimating the probability of default of counterparties. Assessment of credit risks of the Group's counterparties depends on the type of counterparty:

- corporate customers, credit institutions, financial companies, small business clients, sovereigns, municipals, insurance and leasing companies are assessed on the basis of the system of credit ratings and expected cash flow models or other significant indicators;
- individuals and micro business clients are assessed based on their creditworthiness in accordance with the Group's internal regulatory documents including application of scoring models and express assessment.

The Group's system of credit ratings provides a differentiated assessment of probability of default/ failure to fulfil obligations by analysing quantitative (financial) and qualitative (market and external influence of the borrower, characteristics of management quality, assessment of business reputation and others) factors of credit risk, significance of their impact on the ability of the counterparty to fulfil its obligations.

The Group's internal regulatory documents imply the usage of multi-factor approach, where the list of factors is standardized depending on the counterparty's type: risk factors related to counterparty's creditworthiness and its development, ownership structure, business reputation, credit history, cash flow and financial risks control system, transparency, position of the client in the industry and the region, strength of support from government authorities and parent companies (in case of a holding) as well as the so-called early warning factors which are subject to mandatory monitoring and control. Based on the analysis of these risk factors the probability of default of counterparty is assessed and appropriate credit risk rating is allocated.

**33 Financial and Insurance Risk Management (continued)**

Collateral is one of the main instruments which mitigates credit risk of a borrower. Different types of collateral could be accepted in order to limit credit risk. The Group combines in a proper way the requirements to the borrower's creditworthiness and the requirements to the collateral which improves substantially the effectiveness of the lending process. In accordance with the Group's policy, the requirements to the collateral depend on the range of factors which determine the level of credit risk and the borrower's creditworthiness.

Collateral policy was developed which defines the principles and elements of organizing work with different types of collateral in the lending process.

Collateral policy is aimed to establish the approaches to work with collateral in order to reduce credit risks, maintain the required quality of the loan portfolio from collateral perspective and encourage an increase in the recoverability of bad debts. The quality of the collateral is determined by the degree of protection provided by it against credit risk and the probability of cash receipt in amount of collateral value in case of enforcement or sale of collateral. Collateral quality can be indirectly characterized by the list and significance of risks related to collateral and is represented by the range of factors (liquidity, reliability of fair value assessment, impairment risks, susceptibility to the risks of loss and damage, legal risks and others).

Collateral value assessment is performed on the basis of valuation made by the internal experts, by the independent valuers or, in case there is no possibility or expedience to determine market value, on the basis of the collateral value stated in the accounting records of the borrower or nominal value with application of appropriate discount. The use of guarantees as collateral requires the procedure of analysis and assessment of a legal entity or an individual who gives such type of collateral, for the purpose of categorizing and assessment of probability of fulfilment of liabilities if the certain credit event occurs.

Collateral monitoring includes control of qualitative, quantitative and cost parameters for collateral, control of entities and individuals who provided such collateral – for guaranties, in order to assess their ability to fulfill their obligations to the Group. Monitoring is carried out throughout the whole term of loan product.

At the same time, the Group operates a multi-dimensional system of authority limits to determine the decision-making level required for each loan application. Each collegial body of territorial unit and subsidiary is assigned a risk profile, which defines the discretionary powers of this body to take independent decisions on approving credit products and transactions on financial markets, depending on the limit position of the borrower / group of related borrowers, the counterparty's rating and nonstandard parameters of the deal. Thus, existing systems of limits and decision-making authority allows to optimize the lending process and results in proper credit risk management.

Using the macroeconomic scenarios, the Group conducts sensitivity analysis of credit risk level for individual counterparties and loan portfolios to identify macro factors of maximum correlation with the counterparties' probability of default. For the purpose of stress-testing statistics on abrupt changes of macro factors is used to model ratings in stress scenarios.

The Group monitors debt collection processes at all stages of collection. In case of identification of triggers of drop in debt recovery ratio, growth in non-performing loans in certain territorial units, customer or product segments, the optimization of lending/collection process is performed.

Overdue and non-performing debt collection procedures of the Group are based on maximum automation, which results in elimination of human factor at various phases of non-performing loans collection and supports usage of a unified approach in debt collection process.

In non-performing debt settlement process Group uses methods, which are consistent with international practice: remote communications, visits, debt restructuring, work with debt collection agencies, court and legal enforcement proceedings, etc. The use of one or another method is determined by flexible strategy depending on risk level of client and loan using machine-learning algorithms (ML-algorithms).

The Group regularly reviews actual debt collection process for its compliance with market trends and best practices. As a result of review required amendments in the process are made in order to achieve improvement of recoverability of impaired loans, optimization of debt collection procedures and increase of client service level.

Financial assets are written-off, in whole or in part, when the Group exhausted all practical recovery efforts and has concluded that there is no reasonable expectation of recovery. Determining the cash flows for which there is no reasonable expectation of recovery requires judgement.

**33 Financial and Insurance Risk Management (continued)**

Management considered the following indicators that there is no reasonable expectation of recovery:

- getting the conclusion of state and government bodies about inability of recovery;
- documental support that a client is not performing its obligations during more than a year, and that all possible attempts of recovery have been carried out without success;
- reasons to believe that costs of the Group on collection of default loan or repossession of collateral are higher than expected result.

Terms and procedures of financial assets' write off are detailed and disclosed in the Group's internal documents.

**Expected credit losses allowance model and main provisioning principles.** The Group applies a model for assessment of credit loss allowance for financial debt instruments, the key principle of which is the timely reflection of the deterioration or improvement in the credit quality of debt financial instruments taking into account current and forecasted information. The amount of expected credit losses recognized as a credit loss allowance depends on the degree of deterioration in credit quality since the initial recognition of a debt financial instrument.

Depending on the change in credit quality from the time of initial recognition, the Group classifies debt financial instruments carried at amortized cost and at FVOCI as:

- "12-month expected credit loss (ECL)" (Stage 1) - debt financial instruments for which there was recorded no significant increase in credit risk, and provisions for such debt financial instruments are assessed on the basis of 12-month expected credit losses;
- "Lifetime ECL not credit-impaired" (Stage 2) - debt financial instruments for which there was recorded significant increase in credit risk, but not being impaired, and provisions for such instruments are assessed on the basis of expected credit losses for the whole lifetime period of financial instrument;
- "Lifetime ECL credit-impaired" (Stage 3) – impaired debt financial instruments.

For purchased or originated credit-impaired financial instruments the credit loss allowance represents the amount of cumulative changes of expected credit losses for the entire life of the instrument from the moment of acquisition or origination.

**Signs of a significant increase in credit risk before transfer of assets to credit impaired.** The main factors either of which indicates that a significant increase in credit risk occurred are:

- 1) Overdue payments for the period of 31-90 days (inclusive);
- 2) Significant changes in the external and internal credit rating that arose as a result of changes in credit risk compared to the date of initial recognition;
- 3) Deterioration of the internal rating to the level at which the Group does not issue loans;
- 4) Identification of criteria that may affect the ability of the counterparty to pay (revocation of a license, claims, violation of credit documentation, etc.).

**The main signs of debt financial instrument being credit-impaired (stage 3):**

- 1) the borrower is past due more than 90 days on any credit obligation to the Group member;
- 2) default restructuring of the debt and / or financial obligation on financial markets operations and the expected insolvency;
- 3) other signs of insolvency, which lead to assignment of default rating to the borrower (bankruptcy, expected decision on borrower's liquidation or activity ceasing, expectations of overdue payments etc.).

### 33 Financial and Insurance Risk Management (continued)

**Recovery of the credit quality.** Improvement of borrower's credit quality to Stage 1 risk level, for which significant increase in credit risk was recorded on previous reporting dates, is based on the assessment of the credit risk at reporting date as compared with those at the date of initial recognition.

Recovery of the credit-impaired credit quality to stage 1 risk level is recognized only if as of the reporting date no signs of impairment (taking into account recovery period) or indicators of significant increase in credit risk are noted. At the same time purchased or originated credit impaired financial assets are an exception as they can not be designated to Stage 1 by their nature.

**Expected credit loss allowance recognition for assets that are purchased or originated credit-impaired.** Expected credit loss allowance for purchased or originated credit impaired financial assets is measured as cumulative changes in lifetime expected credit losses since initial recognition.

Debt financial asset is classified as purchased or originated credit-impaired when one or more events occurred which negatively impact expected cash flows for such financial asset and those events are present as of the date of initial recognition. Such events include:

- significant financial difficulties of the counterparty / issuer;
- breach of the contract terms, such as past due payment;
- provision of favorable terms to a counterparty / issuer for economic reasons or contractual terms underpinned by financial difficulties of such counterparty / issuer and which the creditor would not otherwise provide;
- probability of a bankruptcy or other financial reorganization;
- the market becomes inactive for a financial asset as a result of the issuer's financial difficulties;
- acquisition or origination of a financial asset with significant discount which reflects incurred credit losses.

**Expected credit loss allowance valuation methods and approaches.** For the purpose of expected credit loss allowance assessment two methods are used: at the transaction level or at the portfolio level. An assessment at the portfolio level is used for all debt financial instruments within the retail business. An assessment at the transaction level is applied to all other businesses.

The Group mainly uses collective assessment for calculation of expected credit loss allowance. Collective assessment is applied for financial instruments that are not individually material for the Group as well as for individually material financial instruments for which there were no significant increase in credit risk recorded during the reporting period or default.

**Individual assessment of expected credit losses.** Individual assessment is applied to financial instruments with exposure exceeding the materiality level and if financial assets are assigned to the Stage 2 or Stage 3 of credit loss allowance assessment model. The amount of expected credit loss allowance for debt financial asset is based on an estimate of the weighted average expected credit losses for scenarios under consideration on each individually assessed agreement, taking into account:

- The number of scenarios and their weights (probability of scenario realization) are determined in accordance with the Group methodology, taking into consideration current and reasonable forecasted information. The number of scenarios under consideration can not be less than two and the probability of each of them should be greater than zero.
- Estimation of expected credit losses with an individual approach takes into account time value of money, as well as reasonable information on past, current and expected future economic conditions. The amount of expected credit loss is determined as the difference between the gross carrying amount of a debt financial asset and its recoverable amount.

**33 Financial and Insurance Risk Management (continued)**

To calculate the recoverable amount the method of discounted cash flows is used based on expected future payments on the debt financial asset (or other cash flows) and effective interest rate used as discount rate which takes into account the following cash inflows:

- free cash flows from operating activities;
- future amounts recoverable upon the sale of a collateral;
- cash receipts from other sources - for example, as a result of court proceedings (other than the sale of a collateral) or bankruptcy.

**Collective assessment of expected credit losses.** Collective assessment of expected credit loss allowance for debt financial assets is performed on the basis of individual risk metrics (PD, LGD, EAD), which are assigned to each particular counterparty / issuer upon the analysis of financial and other information. Regular monitoring is carried out for such risk metrics.

PD – a probability of default which is based on the risk segment and the internal rating (or past due group) for the relevant period (12 months or the entire life of the instrument (Lifetime PD)). Values are determined based on internal models, as well as migration matrices (Markov chains). PD calculations are adjusted for forward looking information.

Current and expected changes in macroeconomic situation are used as forward looking information (real GDP growth, average annual USD/EUR exchange rate, increase of real/nominal salary, increase of real disposable households' income, etc.). The effect of these economic variables on the probability of default is determined by statistical regression analysis and calculated as an impact of those variables on default level during previous periods. Forecasts concerning these economic variables include three scenarios ("basic", "optimistic" and "pessimistic" economic scenarios) which are provided by the Group economists at least once a year and include best estimate of expected macroeconomic situation for subsequent year. The weighting is assigned to a scenario based on combination of statistical analysis and expert judgements subject to the range of possible outcomes presented by each chosen scenario.

The basic segmentation principle for calculation of the probability of default (PD) for the provisioning purposes implies that debt financial instruments with a similar risk profile should be assigned to the same portfolio with a similar level of risk. The risk segment is determined on the basis of the counterparty / issuer specifics, its country of residence, size and business model.

LGD – a level of the loss arising on default, defined as the amount of losses of the debt at a time of possible default. Internal models developed on internal data are used for assignment of particular values.

EAD – exposure at default. The EADs are determined based on the expected payment profile. The amount of EAD is determined using early repayment model if certain conditions for financial instrument are met. For revolving products, the EAD is predicted by taking into account "credit conversion factor" that accounts for the expected drawdown of the remaining limit by the time of default. These assumptions vary by product type, current limit utilisation and other borrower-specific behavioral characteristics. Internal models developed on internal data are used for assessment of EAD.

**33 Financial and Insurance Risk Management (continued)**

**Assessment of loss allowance for credit related commitments.** Assessment of loss allowance for credit related commitments is performed on a similar basis with balance sheet exposures by application of credit conversion factor (CCF) if the counterparty has current balance sheet exposure. Statistical information and Basel Committee values are used for calculation of CCF. If the counterparty does not have balance sheet exposure the assessment of expected credit loss allowance is performed on an individual or collective basis depending on the amount of exposure by applying CCF.

**Credit quality of financial instruments.** Credit quality of financial instruments is based on the following credit risk grades developed internally by the Group which is the summary information on the credit quality of financial instruments that fall under IFRS 9:

- “Minimum credit risk” – assets with counterparties that demonstrate stable ability to fulfil financial obligations in time, with insignificant probability of default.
- “Low credit risk” – assets with counterparties with low probability of default with high ability to fulfil financial obligations in time.
- “Moderate credit risk” – assets with counterparties with average probability of default and with moderate ability to fulfil financial obligations in time; more detailed consideration is required during monitoring.
- “High credit risk” – assets with high probability of default; specific attention is required during monitoring.
- “Default” – assets that are qualified as defaulted considering all available signs of impairment.

**ESG risks.** The Bank has developed and put into operation ESG risk management system which is a part of the integrated risk management system. The developed ESG risk management system includes, among other, integration of principles for responsible financing into the Bank’s credit process.

**ESG risks in retail credit process.** Credit policy for retail portfolio which takes into account ESG factors and ESG risks was developed and approved in the Bank. This policy reflects the following key principles: responsible lending, ensuring of equal access by all clients to credit products of the Bank, support of financial prosperity of clients, realization of state preferential programmes to the public, compliance with ethical standards of business execution, support of honest business practice, environment protection.

**ESG risks in corporate credit process.** In its approach to ESG risks assessment in corporate credit process the Bank uses a number of instruments which are being continually developed and improved.

On a portfolio level the Group carries out annual assessment of industries exposure to ESG risks; the results of such assessment are fixed in Credit policy of the Bank.

On a client level:

- For transactions with largest, large and middle business clients, verification for existence of factors of unacceptable high level of ESG risks is performed. Additionally, ESG risks level is taken into consideration in approving of industrial sectors credit strategy.
- The largest projects in industries mostly exposed to ecological risks are subject to ecological appraisal and independent assessment of ecological risks.
- For largest deals ESG-screening of counteragents is performed which implies analysis of existence and sufficiency of ESG management practices and materiality of negative events connected with environment protection, labour safety, industrial security, in social sphere and in the area of corporate management related to counteragent’s performance.

Also, in 2021 ESG-scoring model for corporate clients was developed by the Bank on the principles of best-in-class. ESG-scoring is a rating which is formed based on an analysis of thirty seven ESG factors and provides comparison assessment of clients in clusters of similar industries by the level of maturity of ESG agenda. The objective of ESG strategy of the Bank till 2023 is to spread ESG-scoring for all corporate credit portfolio.

**33 Financial and Insurance Risk Management (continued)**

**Market risk** is the possibility of the Group's financial losses as a result of unfavorable movements in exchange rates, equity prices, interest rates, precious metal prices and other market indicators. The main goal of market risk management is the optimization of market risk level within the Group, compliance of the risk level with limits set and minimization of loss in case of unfavorable scenario realization.

For the purposes of accounting and managing market risk, the Group identifies the operations of the trading and banking books according to the method and purpose of formation, the powers of the units involved in the management of books, the composition of market risks related to them, and approaches to managing them.

The Group categorizes market risk into:

- Market risk on trading operations in financial markets: market risk of a trading book.
- Market risk for non-trading operations: interest rate risk of banking book, currency risk of banking book, risk of market credit spread of banking book.

**Market risk of a trading book**

Market risk of a trading book is controlled by departments organizationally independent from trading divisions that enter into transactions in financial markets. Monitoring of market risks implies continual control over trading deals at all steps of operational process.

Market risk of a trading book management in Group is performed through the system of authorized bodies, making decisions depending on risk level and portfolio hierarchy, such system allows to reach efficiency and flexibility of decision making.

The Group manages its market risks on a portfolio basis. Main management tool is the setting of market risk limits on individual portfolios. Portfolio consists of operations on financial markets with common characteristics, such as allowable risks, currency, types of instruments, restrictions used and others. Market risk limits are established in accordance with the Group's development strategy with adopted risk appetite as well as with the requirements of the Bank of Russia, the Basel Committee on Banking Supervision and the best banking market risk management practices.

### 33 Financial and Insurance Risk Management (continued)

As the main metric for assessing the market risk of a trading book, Value at risk (VaR) is used. This metric allows to estimate the maximum financial loss of the portfolio with a defined confidence level of probability and time horizon on a “normal” market. “Normal” market is characterized by the dynamics of the market factors (currency quotes / shares / commodities, interest rates) in the situation of the lack of a systemic crisis in the economy / banking sector of the country or group of countries, or the negative facts / events that can cause a significant change in market factors, and, consequently, the value of positions in financial instruments.

VaR is calculated using the following assumptions:

- range of the historical data used for calculations – 2 years;
- VaR is calculated over a 10-day period, i.e. an average period when it is possible to close or hedge its positions exposed to market risk; and
- a 99% one-way confidence level is used, which means that losses in the amount exceeding VaR are expected maximum once every 100 periods.

VaR is subject to regular back-testing process at each portfolio level in accordance with the formal procedure, which is designed to meet requirements of the Basel Committee on Banking Supervision.

Despite the fact that VaR allows to measure risk, its shortcomings must be taken into account such as:

- past price fluctuations are not sufficient to assess accurately future price fluctuations;
- calculation over a 10-day period is based on the assumption that the Group will be able to close (or hedge) all positions within this period. This assessment may be far from accurate in measuring risk exposure at the time of reduced market liquidity, when the period of closing (or hedging) positions may increase;
- using 99% one-way confidence level of probability does not provide for estimating losses with a probability below 1%; and
- VaR is calculated based on end-of-day position and misses accepted intra-day risks.

Taking into account the shortcomings of the VaR methodology the Group applies scenario analysis and stress-testing to have a better understanding of market risk exposure.

The table below shows the types of risk calculation using the VaR methodology as at 31 December 2021:

<i>in billions of Russian Roubles</i>	Value as at 31 December 2021	Impact on equity	Impact on profit
Interest rate risk	68.4	1.2%	5.5%
Equity price risk	0.5	0.0%	0.0%
Currency risk	12.0	0.2%	1.0%
Commodity risk	0.2	0.0%	0.0%
Market risk including diversification effect	69.7	1.2%	5.6%
Diversification effect	11.5	0.2%	0.9%

The table below shows the types of risk calculation using the VaR methodology as at 31 December 2020:

<i>in billions of Russian Roubles</i>	Value as at 31 December 2020	Impact on equity	Impact on profit
Interest rate risk	32.6	0.6%	4.3%
Equity price risk	0.7	0.0%	0.1%
Currency risk	14.8	0.3%	1.9%
Commodity risk	0.3	0.0%	0.0%
Market risk including diversification effect	40.9	0.8%	5.4%
Diversification effect	7.5	0.1%	1.0%

### 33 Financial and Insurance Risk Management (continued)

#### Market risk on non-trading positions

The Group interest rate and currency risk of the banking book management is aimed to limit the negative impact of interest rate and currency risks of the banking book on the Group's operations and the Group's members.

The objectives of the interest rate and currency risks management are:

- provision of financial sustainability, limitation of possible financial losses and negative impact on the Group;
- compliance with requirements stated by the Bank of Russia and local regulators for countries where other members of the Group are present;
- limitation of interest rate and currency risk of the banking book by the means of defining appetite for interest rate and currency risk and other limits;
- supporting level of interest rate and currency risk of the banking book in terms of stated appetite for interest rate and currency risk and other limits.

**Interest rate risk of the banking book.** The Group takes on interest rate risk of the banking book – risk of losses, decrease in profits, capital or capital adequacy ratio as a result of adverse changes in interest rates on financial instruments of the banking book and / or market interest rates affecting the valuation of financial instruments of the banking book.

For interest rate risk assessment change in annual net interest income upon change in market interest rates is applied. Forecasting of possible changes in interest rates is carried out separately for Russian Rouble and foreign currencies.

The table below shows the impact on annual net interest income of change in interest rates for 1.0% p.a. as at 31 December 2021 and 31 December 2020.

	Decrease in interest rates		Increase in interest rates	
	31 December 2021	31 December 2020	31 December 2021	31 December 2020
<b>Russian Rouble</b>				
Change in interest rates, bps	(100)	(100)	100	100
Change in net interest income, billions of Russian Roubles	1.5	(2.0)	(1.5)	2.0
<b>US Dollar</b>				
Change in interest rates, bps	(100)	(100)	100	100
Change in net interest income, billions of Russian Roubles	(5.6)	(4.8)	5.6	4.8
<b>Euro</b>				
Change in interest rates, bps	(100)	(100)	100	100
Change in net interest income, billions of Russian Roubles	1.5	1.9	(1.5)	(1.9)

When calculating impact on annual net interest income of change in interest rates the Group is using internally developed early repayment loan models, deposits early withdrawals models and outflows from customer's current accounts models.

As part of the interest rate risk management in the Group's business plan there are the target position on the interest rate risk in Russian Roubles and targets for the volume and maturity structure of the core assets and liabilities to ensure the achievement of the target interest position, which are set annually. Interest rate risk reports and issues are reviewed regularly by the Bank's committee for assets and liabilities management (ALCO).

**33 Financial and Insurance Risk Management (continued)**

**Currency risk of the banking book.** The Group is exposed to currency risk of the banking book, due to the impact of the operations of the banking book on the open currency position (OCP). The main sources of foreign currency exchange risk of the banking book are:

- provisioning for impairment of the loans nominated in foreign currencies;
- restructuring of the loans resulting in a debt currency change;
- income and expenses in foreign currencies.

Limits of open currency positions are set to limit currency risk for the Bank units and subsidiaries.

**The risk of a market credit spread of the banking book.** The risk of a market credit spread of the banking book (RCSBB) is the risk of losses or a decrease in capital due to a fall in market prices of debt securities of the banking book as a result of an adverse change in market credit spreads, except for investments equivalent to lending (for the purpose of this definition investments equivalent to lending are represented by debt securities acquired within 'held to collect contractual cash flows' business model where contractual cash flows are solely payments of principal and interest for the loan period).

The objectives of managing the RCSBB

Ensuring financial stability, limiting possible financial losses and negative impact of the RCSBB on the Group /Bank / Group members.

The Metrics Used

To assess the RCSBB, the Value-at-Risk metric (VaR) is used, which is an estimate of the maximum loss in the fair value of debt securities as a result of changes in market credit spreads over a given period of time with a given probability (confidence level).

To calculate the VaR for the RCSBB, the Monte Carlo method is used. The following assumptions are applied:

- the nominal value and structure (including the composition of issuers) of securities measured at fair value are assumed to be unchanged;
- the fair value of securities measured at fair value at the beginning and at the end of the specified period of time is modeled using the discounted cash flow method;
- all cash flows of securities measured at fair value are included in the calculation;
- the rate which is used for discounted cash flow method for every debt security includes a risk-free rate and a market credit spread;
- risk-free rates are assumed to be unchanged;
- the issuer's internal rating at the end of a specified period of time is determined taking into account the migration models of credit ratings.

Economic capital

To assess the level of the RCSBB, economic capital is used, which is an estimate of the maximum loss in the fair value of securities measured at fair value, as a result of changes in market credit spreads over a given period of time (one year) with a given probability. Simulation of losses is based on the Monte Carlo method.

The corresponding VaR value is used as the economic capital of the RCSBB.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 33 Financial and Insurance Risk Management (continued)

**Exposure to foreign exchange risk.** The table below summarizes the Group's exposure to foreign exchange risk in respect of financial assets, liabilities and derivatives as at 31 December 2021. Foreign exchange risk on forward and futures contracts is represented by their discounted positions. Foreign exchange options are disclosed in the amount that reflects theoretical sensitivity of their fair value to reasonable change in exchange rates. Commodity options are shown at their fair value in relative settlement currency. Equity instruments are classified based on the country of origin of investor.

<i>in billions of Russian Roubles</i>	Russian Rouble	US Dollar	Euro	Other	Total
<b>Assets</b>					
Cash and cash equivalents	1,396.3	474.7	366.7	171.6	<b>2,409.3</b>
Mandatory cash balances with central banks	261.0	—	1.5	11.3	<b>273.8</b>
Due from banks	1,027.5	425.4	4.0	75.6	<b>1,532.5</b>
Loans and advances to customers	22,023.2	2,980.6	1,500.3	591.4	<b>27,095.5</b>
Securities	3,980.1	849.6	110.1	77.1	<b>5,016.9</b>
Financial instruments pledged under repurchase agreements	1,528.7	62.8	4.9	52.7	<b>1,649.1</b>
Investments in associates and joint ventures	139.2	10.9	—	15.6	<b>165.7</b>
Financial assets of discontinued operations (except for derivatives)	14.7	6.3	295.7	295.9	<b>612.6</b>
Other financial assets	354.9	67.4	20.4	11.5	<b>454.2</b>
<b>Total financial assets</b>	<b>30,725.6</b>	<b>4,877.7</b>	<b>2,303.6</b>	<b>1,302.7</b>	<b>39,209.6</b>
<b>Liabilities</b>					
Due to banks	2,062.6	269.2	54.1	32.7	<b>2,418.6</b>
Due to individuals	14,628.1	2,025.7	783.4	417.6	<b>17,854.8</b>
Due to corporate customers	6,613.7	3,020.1	328.1	495.7	<b>10,457.6</b>
Debt securities in issue	769.1	117.1	4.6	4.8	<b>895.6</b>
Other borrowed funds	—	—	15.7	65.0	<b>80.7</b>
Obligations to deliver securities	107.9	20.6	3.0	—	<b>131.5</b>
Financial liabilities of discontinued operations (except for derivatives)	2.8	21.4	312.6	227.6	<b>564.4</b>
Other financial liabilities	473.4	67.1	30.9	12.3	<b>583.7</b>
Subordinated debt	414.4	138.1	—	—	<b>552.5</b>
<b>Total financial liabilities</b>	<b>25,072.0</b>	<b>5,679.3</b>	<b>1,532.4</b>	<b>1,255.7</b>	<b>33,539.4</b>
<b>Net financial assets/(liabilities)</b>	<b>5,653.6</b>	<b>(801.6)</b>	<b>771.2</b>	<b>47.0</b>	<b>5,670.2</b>
<b>Net derivatives (including derivatives of discontinued operations)</b>	<b>(342.4)</b>	<b>952.5</b>	<b>(803.2)</b>	<b>131.6</b>	<b>(61.5)</b>
<b>Credit related commitments and performance guarantees before loss allowance / provision (including discontinued operations) (Note 34)</b>	<b>7,888.5</b>	<b>488.1</b>	<b>542.3</b>	<b>278.9</b>	<b>9,197.8</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 33 Financial and Insurance Risk Management (continued)

The table below summarizes the Group's exposure to foreign exchange risk in respect of financial assets, liabilities and derivatives as at 31 December 2020.

<i>in billions of Russian Roubles</i>	Russian Rouble	US Dollar	Euro	Other	Total
<b>Assets</b>					
Cash and cash equivalents	1,164.4	629.2	389.5	193.7	<b>2,376.8</b>
Mandatory cash balances with central banks	234.7	10.3	8.5	26.1	<b>279.6</b>
Due from banks	797.8	277.4	8.5	128.6	<b>1,212.3</b>
Loans and advances to customers	17,906.5	3,178.2	1,623.2	678.5	<b>23,386.4</b>
Securities	4,339.4	973.8	131.5	179.7	<b>5,624.4</b>
Financial instruments pledged under repurchase agreements	864.4	42.0	11.3	15.3	<b>933.0</b>
Investments in associates and joint ventures	118.1	10.1	—	12.3	<b>140.5</b>
Other financial assets	252.5	108.5	25.9	21.7	<b>408.6</b>
<b>Total financial assets</b>	<b>25,677.8</b>	<b>5,229.5</b>	<b>2,198.4</b>	<b>1,255.9</b>	<b>34,361.6</b>
<b>Liabilities</b>					
Due to banks	1,265.6	174.1	78.0	45.7	<b>1,563.4</b>
Due to individuals	13,227.9	2,120.4	833.6	473.8	<b>16,655.7</b>
Due to corporate customers	5,017.5	3,163.4	467.4	531.7	<b>9,180.0</b>
Debt securities in issue	627.8	179.0	0.5	6.9	<b>814.2</b>
Other borrowed funds	0.1	—	24.2	43.7	<b>68.0</b>
Obligations to deliver securities	33.3	25.8	3.5	0.1	<b>62.7</b>
Other financial liabilities	320.4	40.3	26.1	14.5	<b>401.3</b>
Subordinated debt	349.5	138.1	—	—	<b>487.6</b>
<b>Total financial liabilities</b>	<b>20,842.1</b>	<b>5,841.1</b>	<b>1,433.3</b>	<b>1,116.4</b>	<b>29,232.9</b>
<b>Net financial assets/(liabilities)</b>	<b>4,835.7</b>	<b>(611.6)</b>	<b>765.1</b>	<b>139.5</b>	<b>5,128.7</b>
<b>Net derivatives</b>	<b>156.2</b>	<b>615.7</b>	<b>(829.0)</b>	<b>59.4</b>	<b>2.3</b>
<b>Credit related commitments and performance guarantees before loss allowance / provision (Note 34)</b>					
	<b>5,982.9</b>	<b>467.9</b>	<b>454.7</b>	<b>196.2</b>	<b>7,101.7</b>

The Group provides loans and advances to customers in foreign currency. Fluctuations of foreign currency exchange rates may negatively affect the ability of borrowers to repay loans, which will in turn increase the probability of loan loss.

The following table presents sensitivities for both Trading and Banking book of equity of the Group to reasonably possible changes in exchange rates of foreign currencies in which the Group has the most significant exposure applied at the end of the reporting period, with all other variables held constant:

<i>In billions of Russian Roubles</i>	Impact on equity	
	At 31 December 2021	At 31 December 2020
US Dollar strengthening by 20% (2020: by 20%)	30.2	0.8
US Dollar weakening by 20% (2020: by 20%)	(30.2)	(0.8)
Euro strengthening by 20% (2020: by 20%)	(6.4)	(12.8)
Euro weakening by 20% (2020: by 20%)	6.4	12.8

**33 Financial and Insurance Risk Management (continued)**

**Liquidity risk.** The purpose of liquidity risk management is to ensure the ability of the Bank and the Group members to fulfill all their obligations to customers and counterparties unconditionally and in a timely manner both in normal course of business as well as during stress situations while complying with the requirements of the Bank of Russia and local regulators in the countries of presence of the Group members.

The Group is exposed to liquidity risk as it does not accumulate cash resources in case of need of one-time fulfilment of all its outstanding obligations. At the same time based on current market conditions, assumptions about the future dynamics of balance sheet items and accumulated historical data, an assessment of sufficient cash resources and liquidity reserves is made necessary to fulfill these obligations over various time horizons.

As part of liquidity risk management, the following liquidity risks are identified:

- physical liquidity risk - the risk that the Bank / Group member will not fulfil its obligations to customers and counterparties in any currency or precious metal due to lack of funds in cash or cashless form (impossibility of making a payment, issuing a loan, etc.);
- regulatory liquidity risk - the risk of violation of mandatory liquidity ratios of the Bank of Russia, as well as mandatory liquidity ratios established by local regulators in the countries of presence of the Group members;
- structural liquidity risk (concentration risk) - the risk of a significant deterioration in physical or regulatory liquidity due to imbalances in the structure of assets and liabilities, including a high dependence of the Bank's / the Group member's funding base on one / several clients or funding sources in a certain currency / on a certain term or, in case of need, on other parameters (for example, economy sector, geographical area, type of instrument and others).

To minimize the liquidity risk the Group:

- maintains a stable and diversified liabilities structure including resources attracted from different groups of investors and clients in term instruments as well as on demand accounts;
- invests in highly liquid / liquid financial assets diversified by currencies and maturities for quick and effective coverage of unexpected gaps in liquidity;
- controls the usage of the current liquidity reserves and initiates an increase in those reserves in case of need;
- maintains cooperation with counterparties on financial markets to have an opportunity to attract funds in a short period of time in case of need.

**Policy and Procedures.** Liquidity risk management of the Bank and the Group as a whole is performed by the Bank's Asset and Liability Management Committee. The Bank's Treasury develops the risk management system, organizes and coordinates the liquidity risk management process in the Bank and the Group, ensures compliance with the established risk appetite and other limits and restrictions related to liquidity risk, implements measures to manage physical, structural and regulatory liquidity. The Risk Department develops the architecture of limits and sets the values of limits and restrictions on liquidity risk metrics; carries out regular independent monitoring of compliance with the established limits and restrictions on liquidity risk metrics, validation of liquidity models and escalation of limit and restrictions violations. Liquidity risk is assessed, managed and controlled on the basis of the policy for liquidity risk management of the Group and the guidelines of the Bank of Russia, local regulators and the Basel Committee for Banking Supervision. The Bank controls the level of liquidity risk accepted by the Group and manages liquidity risk on the Group level including the coordination of all external borrowings of the Group members in order to minimize the cost of funding and taking into the account the current macroeconomic environment and market conditions.

The managing bodies of the Group members are responsible for efficient liquidity management on the local level. They are also responsible for monitoring limits and controls required by the Bank and requirements of the local regulators. Assessment, management and control of the Group members liquidity risk are performed in accordance with unified Group standards taking into account the diversification of requirements for different categories of the Group members.

**33 Financial and Insurance Risk Management (continued)**

Group liquidity risk management is based on the regulations of the Bank of Russia, local regulators and the recommendations of the Basel Committee for Banking Supervision in the field of liquidity risk assessment and management instruments:

- calculation of actual values of risk metrics in order to assess and control liquidity risk;
- forecasting statement of financial position by major currencies by forecasting cash flows on payments (outflows and inflows on key lines of statement of financial position and off-balance assets / liabilities taking into account expected client's behavior and forecast of business departments on business development) to ensure necessary volume of resources to cover possible liquidity deficit in short-term and medium-term perspective, taking into consideration mandatory liquidity requirements stated by local regulators;
- forecasting statement of financial position and assets and liabilities structure for different scenarios of the statement of financial position development to calculate the required volume of funding and necessary liquidity buffer taking into account state of debt capital markets and availability of certain sources of funding (used in the context of business-planning and funding planning);
- set up limits and restrictions for risk metrics of the individual Group members as well as the Group in a whole including but not limited to components of risk appetite;
- scenario analysis to determine the potential need for liquidity when exposed to various risk factors;
- stress testing of the liquidity risk in order to determine the size of the liquidity buffer necessary to cover liquidity deficit in the event of each of the following scenarios: market crisis, brand crisis, or both;
- liquidity management in crisis situations aimed at ensuring continuing performance and recovery of the Bank's / the Group member's liquidity in case of nonstandard or emergency situations in respect of liquidity risk realization (precedence rule is set in approved Plan for liquidity management in crisis situations (LCP)).

## Notes to the Consolidated Financial Statements – 31 December 2021

### 33 Financial and Insurance Risk Management (continued)

The tables below show distribution of undiscounted contractual cash flows (taking into account future interest payments) on liabilities by remaining contractual maturities.

The analysis of undiscounted cash flows as at 31 December 2021 (excluding discontinued operations) is set out below:

<i>in billions of Russian Roubles</i>	On demand and less than 1 month	From 1 to 6 months	From 6 to 12 months	From 1 to 3 years	More than 3 years	Total
<b>Liabilities</b>						
Due to banks	2,008.2	254.2	12.9	152.3	8.7	<b>2,436.3</b>
Due to individuals	10,822.7	4,117.3	2,376.5	618.7	14.4	<b>17,949.6</b>
Due to corporate customers	6,426.4	2,347.9	597.7	712.0	1,080.0	<b>11,164.0</b>
Debt securities in issue	9.2	178.6	85.5	399.4	344.2	<b>1,016.9</b>
Other borrowed funds	0.5	0.6	2.3	11.5	67.5	<b>82.4</b>
Gross settled derivatives:						
- inflows	(1,113.4)	(1,247.3)	(402.6)	(204.4)	(154.8)	<b>(3,122.5)</b>
- outflows	1,148.2	1,315.5	451.4	225.2	171.0	<b>3,311.3</b>
Net settled derivatives	38.5	68.7	31.5	65.8	20.0	<b>224.5</b>
Obligations to deliver securities	131.5	—	—	—	—	<b>131.5</b>
Other financial liabilities	440.9	85.2	23.2	10.2	74.8	<b>634.3</b>
Subordinated debt	—	6.0	108.2	112.1	1,198.4	<b>1,424.7</b>
<b>Total liabilities</b>	<b>19,912.7</b>	<b>7,126.7</b>	<b>3,286.6</b>	<b>2,102.8</b>	<b>2,824.2</b>	<b>35,253.0</b>
Credit related commitments and performance guarantees before provision	9,060.9	—	—	—	—	<b>9,060.9</b>

The analysis of undiscounted cash flows as at 31 December 2020 (excluding discontinued operations) is set out below:

<i>in billions of Russian Roubles</i>	On demand and less than 1 month	From 1 to 6 months	From 6 to 12 months	From 1 to 3 years	More than 3 years	Total
<b>Liabilities</b>						
Due to banks	1,170.2	183.0	143.0	63.3	28.1	<b>1,587.6</b>
Due to individuals	7,178.0	4,415.3	2,761.9	2,195.5	315.0	<b>16,865.7</b>
Due to corporate customers	5,839.0	1,409.4	788.4	1,151.9	131.5	<b>9,320.2</b>
Debt securities in issue	4.4	157.2	108.7	373.4	249.7	<b>893.4</b>
Other borrowed funds	0.1	0.5	2.3	7.7	59.7	<b>70.3</b>
Gross settled derivatives:						
- inflows	(2,190.6)	(1,723.2)	(336.4)	(656.4)	(204.4)	<b>(5,111.0)</b>
- outflows	2,195.2	1,737.3	329.5	681.4	196.9	<b>5,140.3</b>
Net settled derivatives	27.0	38.2	20.7	52.2	46.7	<b>184.8</b>
Obligations to deliver securities	62.7	—	—	—	—	<b>62.7</b>
Other financial liabilities	223.4	75.3	7.5	37.9	83.8	<b>427.9</b>
Subordinated debt	—	3.5	26.0	190.5	1,150.0	<b>1,370.0</b>
<b>Total liabilities</b>	<b>14,509.4</b>	<b>6,296.5</b>	<b>3,851.6</b>	<b>4,097.4</b>	<b>2,057.0</b>	<b>30,811.9</b>
Credit related commitments and performance guarantees before provision	7,101.7	—	—	—	—	<b>7,101.7</b>

**33 Financial and Insurance Risk Management (continued)**

Principles that are used to analyse liquidity position presentation and manage the Group liquidity risk management are based on the Bank's of Russia prudential initiatives and the Bank's practice:

- cash and cash equivalents represent highly liquid assets and are classified as "On demand and less than 1 month";
- securities mandatorily measured and designated at fair value through profit or loss and highly liquid portion of securities measured at fair value through other comprehensive income are considered to be liquid assets as these securities could be easily converted into cash within short period of time. Such financial instruments are disclosed in the analysis of liquidity position as "On demand and less than 1 month";
- securities measured at fair value through other comprehensive income which are less liquid are disclosed according to remaining contractual maturities (for debt instruments) or as "No stated maturity / overdue" (for equity instruments);
- securities measured at amortized cost including those pledged under repurchase agreements are classified based on the earliest of two dates: redemption offer date or maturity date of security;
- highly liquid portion of financial instruments pledged under repurchase agreements is disclosed based on the remaining maturities of repurchase agreements;
- loans and advances to customers, amounts due from banks, other assets, debt securities in issue, amounts due to banks, other borrowed funds and other liabilities are included into analysis of liquidity position based on remaining contractual maturities (for loans and advances to customers "No stated maturity / overdue" category represents only actual payments which were overdue);
- due to individuals are not disclosed as "On demand and less than 1 month" in full amount although individuals have a right to withdraw money from any account, including term deposits, before maturity date, losing the right to accrued interest;
- diversification of current accounts of individuals and corporate customers by number and type of customers and the past experience of the Group indicate that such balances provide a long-term and stable source of funding. As a result, in the analysis of liquidity position current accounts of individuals and corporate customers are allocated on the basis of expected time of funds outflow and assumptions regarding the "permanent" part of current account balances. Term deposits of individuals and corporate customers are allocated on the basis of their contractual maturity for the purposes of liquidity analysis;
- provisions on insurance and pension fund operations are disclosed based on actuarial models and assumptions according to losses behavior patterns, also taking into account contractual maturities for current contracts;
- assets and liabilities other than those discussed above are generally classified on the basis of their contractual maturities.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 33 Financial and Insurance Risk Management (continued)

The analysis of liquidity position of the Group's assets and liabilities as at 31 December 2021 is set out below.

<i>in billions of Russian Roubles</i>	On demand and less than 1 month	From 1 to 6 months	From 6 to 12 months	From 1 to 3 years	More than 3 years	No stated maturity/ overdue	Total
<b>Assets</b>							
Cash and cash equivalents	2,409.3	—	—	—	—	—	2,409.3
Mandatory cash balances with central banks	57.1	65.8	30.6	23.5	96.8	—	273.8
Due from banks	1,299.0	180.3	49.1	2.5	1.6	—	1,532.5
Loans and advances to customers	663.0	2,890.2	3,221.2	8,111.3	12,082.6	127.2	27,095.5
Securities	3,285.5	116.5	160.0	723.9	730.7	0.3	5,016.9
Financial instruments pledged under repurchase agreements	1,512.5	9.7	14.1	47.1	65.7	—	1,649.1
Derivative financial assets	59.8	74.1	48.1	117.1	37.2	—	336.3
Investments in associates and joint ventures	—	—	—	—	9.3	156.4	165.7
Deferred tax asset	—	—	—	—	—	35.2	35.2
Premises, equipment and right-of- use assets	—	—	—	—	—	827.8	827.8
Assets of the disposal groups and non-current assets held for sale	196.3	55.6	374.4	—	—	—	626.3
Other assets	432.9	157.8	38.1	100.8	31.5	436.0	1,197.1
<b>Total assets</b>	<b>9,915.4</b>	<b>3,550.0</b>	<b>3,935.6</b>	<b>9,126.2</b>	<b>13,055.4</b>	<b>1,582.9</b>	<b>41,165.5</b>
<b>Liabilities</b>							
Due to banks	2,005.5	253.3	12.3	140.0	7.5	—	2,418.6
Due to individuals	3,263.4	4,627.0	2,745.2	1,901.9	5,317.3	—	17,854.8
Due to corporate customers	1,986.2	2,375.4	583.7	624.1	4,888.2	—	10,457.6
Debt securities in issue	9.0	176.2	81.2	347.8	281.4	—	895.6
Other borrowed funds	0.5	0.5	2.3	11.1	66.3	—	80.7
Derivative financial liabilities and obligations to deliver securities	203.2	136.3	70.6	74.3	46.2	—	530.6
Deferred tax liability	—	—	—	—	—	29.9	29.9
Liabilities of the disposal groups	347.0	50.8	184.5	—	—	—	582.3
Other liabilities	471.1	162.1	75.3	342.0	1,053.2	14.7	2,118.4
Subordinated debt	—	5.9	103.7	101.1	341.8	—	552.5
<b>Total liabilities</b>	<b>8,285.9</b>	<b>7,787.5</b>	<b>3,858.8</b>	<b>3,542.3</b>	<b>12,001.9</b>	<b>44.6</b>	<b>35,521.0</b>
<b>Net liquidity gap</b>	<b>1,629.5</b>	<b>(4,237.5)</b>	<b>76.8</b>	<b>5,583.9</b>	<b>1,053.5</b>	<b>1,538.3</b>	<b>5,644.5</b>
<b>Cumulative liquidity gap as at 31 December 2021</b>	<b>1,629.5</b>	<b>(2,608.0)</b>	<b>(2,531.2)</b>	<b>3,052.7</b>	<b>4,106.2</b>	<b>5,644.5</b>	<b>—</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 33 Financial and Insurance Risk Management (continued)

The analysis of liquidity position of the Group's assets and liabilities as at 31 December 2020 is set out below.

<i>in billions of Russian Roubles</i>	On demand and less than 1 month	From 1 to 6 months	From 6 to 12 months	From 1 to 3 years	More than 3 years	No stated maturity/ overdue	Total
<b>Assets</b>							
Cash and cash equivalents	2,376.8	—	—	—	—	—	<b>2,376.8</b>
Mandatory cash balances with central banks	76.3	57.0	35.4	33.4	77.5	—	<b>279.6</b>
Due from banks	1,066.1	46.6	94.8	1.5	3.3	—	<b>1,212.3</b>
Loans and advances to customers	565.1	2,465.4	2,600.7	7,451.4	10,042.4	261.4	<b>23,386.4</b>
Securities	3,747.7	97.5	83.7	522.4	1,081.5	91.6	<b>5,624.4</b>
Financial instruments pledged under repurchase agreements	905.5	12.8	—	5.6	9.1	—	<b>933.0</b>
Derivative financial assets	41.0	74.2	46.4	90.9	61.1	—	<b>313.6</b>
Investments in associates and joint ventures	—	—	—	0.3	6.0	134.2	<b>140.5</b>
Deferred tax asset	—	—	—	—	—	23.2	<b>23.2</b>
Premises, equipment and right-of- use assets	—	—	—	—	—	754.7	<b>754.7</b>
Assets of the disposal groups and non-current assets held for sale	5.0	4.5	91.9	—	—	—	<b>101.4</b>
Other assets	431.5	71.5	39.1	58.1	74.8	195.1	<b>870.1</b>
<b>Total assets</b>	<b>9,215.0</b>	<b>2,829.5</b>	<b>2,992.0</b>	<b>8,163.6</b>	<b>11,355.7</b>	<b>1,460.2</b>	<b>36,016.0</b>
<b>Liabilities</b>							
Due to banks	1,158.1	179.3	138.1	63.3	24.6	—	<b>1,563.4</b>
Due to individuals	2,762.5	4,666.0	2,899.5	2,302.2	4,025.5	—	<b>16,655.7</b>
Due to corporate customers	2,244.3	1,186.8	710.4	1,024.1	4,014.4	—	<b>9,180.0</b>
Debt securities in issue	4.2	153.5	102.4	327.2	226.9	—	<b>814.2</b>
Other borrowed funds	0.1	0.5	2.3	7.6	57.5	—	<b>68.0</b>
Derivative financial liabilities and obligations to deliver securities	111.0	82.4	30.6	96.1	53.9	—	<b>374.0</b>
Deferred tax liability	—	—	—	—	—	37.7	<b>37.7</b>
Liabilities of the disposal groups	3.4	—	12.3	—	—	—	<b>15.7</b>
Other liabilities	241.5	131.2	84.7	311.8	947.7	56.3	<b>1,773.2</b>
Subordinated debt	—	3.5	24.7	170.5	288.9	—	<b>487.6</b>
<b>Total liabilities</b>	<b>6,525.1</b>	<b>6,403.2</b>	<b>4,005.0</b>	<b>4,302.8</b>	<b>9,639.4</b>	<b>94.0</b>	<b>30,969.5</b>
<b>Net liquidity gap</b>	<b>2,689.9</b>	<b>(3,573.7)</b>	<b>(1,013.0)</b>	<b>3,860.8</b>	<b>1,716.3</b>	<b>1,366.2</b>	<b>5,046.5</b>
<b>Cumulative liquidity gap as at 31 December 2020</b>	<b>2,689.9</b>	<b>(883.8)</b>	<b>(1,896.8)</b>	<b>1,964.0</b>	<b>3,680.3</b>	<b>5,046.5</b>	<b>—</b>

As part of its liquidity risk management, the Group maintains a significant amount of liquidity reserves mainly due to the existing refinancing instruments of the Bank of Russia on the security of market and non-market collateral.

**33 Financial and Insurance Risk Management (continued)**

**Insurance risk.** Insurance risk is the risk of losing or adversely changing the value of insurance liabilities due to incorrect pricing policies and assumptions about the amount of required insurance reserves.

Insurance risk management of the Group is based on the requirements of the Bank of Russia, as well as the provisions and principles of Solvency II.

The insurance risks that the Group is exposed to are as follows:

- Catastrophic risk - the risk of loss or adverse changes in the value of insurance liabilities arising from emergency or exceptional events which influence the significant part of the insurance portfolio.
- Longevity risk - the risk of loss or adverse changes in the value of insurance liabilities arising due to changes in the level, trend or volatility of mortality, in which a decrease in mortality leads to an increase in insurance liabilities.
- Cost risk - the risk of loss or adverse change in the value of insurance liabilities arising due to changes in the level, trend, or volatility of costs incurred in servicing insurance or reinsurance contracts.
- Disability risk - morbidity - the risk of losses or an adverse change in the value of insurance liabilities arising due to a change in the level, trend, or volatility of the indicators of disability and morbidity.
- Premium risk and provisioning risk - the risk of loss or adverse change in the value of insurance liabilities arising due to fluctuations in terms, frequency and size of insurance events, terms and amounts settled for insurance claims.
- Revision risk - the risk of loss or adverse changes in the value of insurance liabilities arising due to fluctuations in the level, trend or volatility of revision rates applied to annuities due to changes in legislation or the health status of the insured person.
- Cancellation risk - the risk of loss or adverse change in the value of insurance liabilities arising due to changes in the level or volatility of non-renewal rates, cancellations, renewals and early termination of insurance contracts.
- Mortality risk - the risk of loss or adverse change in the value of insurance liabilities arising due to a change in the level, trend or volatility of mortality, in which an increase in mortality leads to an increase in insurance liabilities.

The key assumptions to which the estimation of liabilities is particularly sensitive are as follows:

- *Mortality and morbidity rates*

Assumptions are based on standard industry and national tables, according to the type of contract written and the territory in which the insured person resides. They reflect recent historical experience and are adjusted when appropriate to reflect the Group's own experiences. An appropriate, but not excessive, prudent allowance is made for expected future improvements. Assumptions are differentiated by gender, underwriting class and contract type. An increase in rates will lead to a larger number of claims (and claims could occur sooner than anticipated), which will increase the expenditure and reduce profits for the shareholders.

- *Longevity*

Assumptions are based on standard industry and national tables, adjusted when appropriate to reflect the Group's own risk experience. An appropriate but not excessive prudent allowance is made for expected future improvements. Assumptions are differentiated by gender, underwriting class and contract type. An increase in longevity rates will lead to an increase in the number of annuity payments made, which will increase the expenditure and reduce profits for the shareholders.

- *Investment return*

The weighted average rate of return is derived based on a model portfolio that is assumed to back liabilities, consistent with the long-term asset allocation strategy. These estimates are based on current market returns as well as expectations about future economic and financial developments. An increase in investment return would lead to an increase in profits for the shareholders.

### 33 Financial and Insurance Risk Management (continued)

- *Expenses*

Operating expenses assumptions reflect the projected costs of maintaining and servicing in-force contracts and associated overhead expenses. The current level of expenses is taken as an appropriate expense base, adjusted for expected expense inflation if appropriate. An increase in the level of expenses would result in an increase in expenditure thereby reducing profits for the shareholders.

- *Lapse and surrender rates*

Lapses relate to the termination of policies due to non-payment of premiums. Surrenders relate to the voluntary termination of agreement by policyholders, depositors and insured persons. Policy termination assumptions are determined using statistical measures based on the Group's experience and vary by product type and contract duration as well as sales trends for insurance contracts. An increase in lapse rates early in the life of the policy would tend to reduce profits for shareholders, but subsequent increases in such rates have significantly less impact on this indicator.

- *Discount rate*

Life insurance liabilities are determined as the sum of the discounted value of the expected benefits and future administration expenses directly related to the contract, less the discounted value of the expected theoretical premiums that would be required to meet these future cash outflows. In relation to pension contracts on each reporting date liabilities adequacy test is made which implies that the Group takes into account all the future discounted cash flows stipulated by the contract (including future receipts in the form of contributions, payment of pensions, redemption amounts and payments to legal successors), and other relevant cash flows, such as expenses on contracts administration, on embedded guarantees as well as investment income on assets which guarantee these liabilities. Discount rates are based on current industry risk rates and interest rates on Russian federal loan bonds (OFZ bonds), adjusted for the Group's own risk. A decrease in the discount rate will increase the value of life insurance liabilities and may lead to the increase in pension contracts liabilities and as a consequence reduce profits for shareholders.

- *Minimal interest guarantees*

According to the current legislation the Group has an obligation to ensure the safety of assets covering pension contribution received from Pension Fund of the Russian Federation, and from depositors under the programme of non-state pension provisions. Financial responsibility of the Group will include non-negative investment return over assets covering pension liabilities during each five years period of contract term starting from 1 January 2015.

- *Actuarial assumptions on other than life insurance*

To determine insurance tariffs, liabilities and assumptions actuarial judgements are used in relation to parameters which influence the amount of insurance provisions, initial data and valuation methods used. For insurance contracts portfolio for which the probability theory was used in relation to pricing and provisioning, the insufficient provisioning risk means that actual losses may exceed balance value of insurance liabilities. This may occur if frequency or average amount of losses exceed the estimated level calculated by statistical methods. Actuarial assumptions used by the Group are analysed regularly to provide realistic and reasonable valuation of insurance contracts liabilities. The criteria for adequacy of insurance statistics are reviewed periodically based on required level of confidence interval of error.

#### *Sensitivity analysis*

The following analyses the possible changes in the key assumptions used in the calculation of insurance liabilities under contracts of life insurance and investment life insurance contracts, provided that the other assumptions are constant. This analysis reflects the impact on gross and net liabilities, profit before tax and equity of the Group. Correlation of the assumptions has a significant impact on the procedure for determining final liability for claims, however, to demonstrate the impact due to changes the assumptions need to be changed individually. Changes in the assumptions are not linear. Sensitivity of the information will also vary depending on the current economic assumptions.

**33 Financial and Insurance Risk Management (continued)**

Effect of changes in the key assumptions as at 31 December 2021:

<i>in billions of Russian Roubles</i>	<b>Change of assumptions</b>	<b>Increase/ (decrease) in gross liabilities</b>	<b>Increase/ (decrease) in net liabilities</b>	<b>Increase/ (decrease) in profit before tax</b>	<b>Increase/ (decrease) in equity</b>
Mortality/morbidity	-10%	(0.1)	(0.1)	0.1	0.1
Mortality/morbidity	+10%	0.1	0.1	(0.1)	(0.1)
Expenses	-10%	(0.5)	(0.5)	0.5	0.5
Expenses	+10%	0.5	0.5	(0.5)	(0.5)
Discount rate	-1%	7.6	7.6	(7.6)	(6.1)
Discount rate	+1%	(6.1)	(6.1)	6.1	4.9

Effect of changes in the key assumptions as at 31 December 2020:

<i>in billions of Russian Roubles</i>	<b>Change of assumptions</b>	<b>Increase/ (decrease) in gross liabilities</b>	<b>Increase/ (decrease) in net liabilities</b>	<b>Increase/ (decrease) in profit before tax</b>	<b>Increase/ (decrease) in equity</b>
Mortality/morbidity	-10%	(0.1)	(0.1)	0.1	0.1
Mortality/morbidity	+10%	0.1	0.1	(0.1)	(0.1)
Expenses	-10%	(0.4)	(0.4)	0.4	0.3
Expenses	+10%	0.4	0.4	(0.4)	(0.3)
Discount rate	-1%	6.7	6.7	(6.7)	(5.4)
Discount rate	+1%	(5.4)	(5.4)	5.4	4.3

Sensitivity of pension liabilities to the changes in actuarial assumptions is not relevant since these changes in assumptions do not lead to deficit as a result of liabilities adequacy test.

**Operational Risk.** Operational risk is the risk of the Group's direct and indirect losses caused by defects or improper internal processes, actions of employees or other individuals, failures or shortcomings of information, technological and other systems as well as due to external events.

Operational risk management system is defined by the Policy for operational risk management and aimed at prevention of such risk or maximum possible decrease of potential loss danger (direct and/or related) connected to internal process organization and external factors (events), measurement of operational risk for the calculation of required regulatory and economic capital as well as generation of adequate system of internal control.

Operational risk management process in Group includes following basic phases:

- operational risk identification;
- operational risk assessment;
- analysis of problem zones of processes, development of solution and decision-making concerning optimization / change in processes in order to decrease operational risk level;
- operational risk monitoring;
- control and/or decrease of operational risk.

In order to perform the phases mentioned above, the following instruments such as collection of internal data concerning losses caused by the realization of operational risk incidents, risk assessment of new processes and products, departments self-assessment procedure, indicators of monitoring and reaction measures system are integrated in the Group.

Risk-coordinators were appointed in all organization departments of the Bank and the Group members. Their functions include interaction with operational risk departments concerning questions of identification, measurement, monitoring and control over operational risk. In particular risk-coordinators inform about realized incidents of operational risk as well as measure potential risks during self-assessment.

**33 Financial and Insurance Risk Management (continued)**

In order to monitor operational risk the Group uses the system of reports for the management and collegial bodies, involved in risk management process. Operational risk reporting is formed on daily, monthly and quarterly basis. Results of risk assessment and data on actual incurred losses allow to identify areas of risk concentration for further development of measures which reduce the Group's risk level.

In 2021 the Group continued to implement measures to reduce risks. These activities are aimed at modification of the existing processes and technologies of transactions, increase in employees discipline and decrease in working hours. These measures are described below:

- The operational risk appetite values and operational risk loss limits for all Group members were approved;
- Maturity indicator for operational risk management system is implemented in the Group. Maturity is assessed in five main areas: identification, assessment, risk monitoring, reaction and employees;
- Autoregistration of operational risk accidents based on digital tracks;
- Concept of behavior risk management is approved;
- Forecast of operational risk losses is performed based on list of drivers;
- Instruments of operational risk analysis of new processes and products are developed, risk acceptance authorities at the level of functional divisions are determined.

**Compliance Risk.** Compliance risk is the risk of legal or regulator bodies' sanctions, material finance loss or loss of reputation the Bank or the Group member may suffer as a result of non-conformity and non-compliance with laws, regulations, rules, self-regulatory organization standards or code of conduct applicable to its banking activities, internal documents related to anti-money laundering and counteraction of terrorism financing and financing of proliferation of weapons of mass destruction, counteraction of corruption, control over conflict of interest, execution of transactions on financial markets including prevention of unfair practice on financial markets and protection of insider information, counteraction of market manipulation, compliance with regime of economic sanctions, control over accounts of foreign taxpayers.

The objectives of compliance risk management are:

- assistance to the management bodies of the Bank and the Group members in ensuring compliance of the Bank and the Group members performance to the legislation applied including international legislation, and to the best practice;
- generation of culture of ethical conduct and the business execution;
- setting up of conditions preventing involvement of the Bank and the Group members in processes which may lead to material financial losses, loss of confidence on the part of regulative and supervision bodies, shareholders, investors, clients, counteragents;
- realization of principle of zero tolerance to corruption;
- initiation and implementation of effective methods and mechanisms of compliance risk management.

The achievement of objectives is realized by development of unified methodological and informational area in the Bank and the Group members, informing management bodies of the Bank and the Group members on compliance-risk level to take appropriate management decisions, application of effective methods of compliance-risk management.

**33 Financial and Insurance Risk Management (continued)**

The Group's main focus areas in the compliance risk management are as follows:

- compliance with licensing, regulatory requirements, applicable legislation and rules of international law in all the areas of compliance control applied to all the spheres of the Bank's and the members' of the Group performance;
- implementation of compliance-culture, ethical rules of the business execution (business ethics);
- counteraction of corruption and conflict of interests management;
- counteraction of illegal usage of insider information and market manipulation;
- counteraction of money laundering, terrorism financing and financing of proliferation of weapons of mass destruction;
- implementation of internal control over professional performance on securities market;
- ensuring market behavior and fair competition, prevention of unfair business practice on financial markets;
- control over regimes of economic sanctions and restrictions set up by the Russian Federation, as well as by international organizations and countries;
- realization of requirements of USA legislation related to taxation of foreign accounts (Foreign Account Tax Compliance Act) and requirements of unified standard of Organization of Economic Cooperation and Development (OECD) for exchange of tax information between countries - partners in automatic regime (Standard for Automatic Exchange of Financial Account Information or Common Reporting Standard);
- compliance and protection of rights of clients, investors, shareholders.

As a result of work in those areas Group has developed and approved internal compliance documents and control procedures. Compliance control is organized consistently with involvement of all Group employees and is performed continuously.

### 34 Contingencies and Commitments

**Legal proceedings.** From time to time and in the normal course of business, claims against the Group are received. On the basis of its own estimates and external professional advice the Management is of the opinion that no material losses will be incurred in respect of the claims in excess of the amounts already provided for in these consolidated financial statements.

**Tax legislation.** Russian tax, currency and customs current legislation is vaguely drafted and is subject to varying interpretations, selective application and changes. Management's interpretation of such legislation as applied to the transactions and activity of the Group may be challenged by the relevant regional and federal authorities. It is therefore possible that transactions and activities of the Group that have not been challenged in the past may be challenged. As a result, additional taxes, penalties and interest may be assessed by the relevant authorities.

Federal law No. 376-FZ dated 24 November 2014 took effect from 1 January 2015 and new rules for taxation of controlled foreign companies as well as conception of beneficial owner and tax resident of legal entities took place. The adoption of this law generally leads to an increase in the administrative and in several cases tax burden for the Russian entities that have subsidiary structures incorporated outside the Russian Federation and/or carry out transactions with foreign companies.

In accordance with the requirements of the Tax Code of the Russian Federation the Bank calculates and records through the current income tax the tax liabilities in respect of profits of foreign companies, as well as foreign organizations without a legal entity, which are recognized as controlled foreign companies of the Group. The calculation of tax liabilities in respect of profits of controlled foreign companies takes into account proposed dividend distributions and expected reorganizations within the Group.

Adoption of new norms as well as other Russian tax legislation interpretations along with recent trends in legal succession could lead to potential possibility of increase in tax paid and tax penalties driven by rigid position of tax authorities and courts concerning tax legislation interpretation and tax calculations. At the same time determination of size and possibility of adverse results of such tax claims could not be measured. The scope of tax inspections could be up to three years prior to the year of inspection. If certain conditions are present this scope could be extended to earlier years.

Management believes that as at 31 December 2021 the provisions of the tax laws applicable to the Group, are interpreted appropriately.

**Capital expenditure commitments.** As at 31 December 2021 the Group had contractual capital expenditure commitments in respect of premises and equipment totaling RR 65.8 billion (31 December 2020: RR 40.8 billion) and in respect of computer equipment acquisition of RR 39.8 billion (31 December 2020: RR 5.8 billion). The Group has already allocated the necessary resources in respect of these commitments. The Group believes that future net income and funding will be sufficient to cover these and any similar commitments.

**34 Contingencies and Commitments (continued)**

**Credit related commitments and performance guarantees.** The primary purpose of credit related commitments instruments is to ensure that funds are available to a customer when required. Financial guarantees and standby letters of credit, which represent irrevocable assurances that the Group will make payments in the event that a customer can not meet the obligations to third parties, carry the same credit risk as loans. Documentary and commercial letters of credit, which are written undertakings by the Group on behalf of a customer authorizing a third party to draw drafts on the Group up to a stipulated amount under specific terms and conditions, are collateralized by the underlying shipments of goods to which they relate or cash deposits and therefore carry less risk than direct lending.

Commitments to extend credit represent unused portions of authorizations to extend credit. With respect to credit risk on commitments to extend credit, the Group is potentially exposed to a loss equal to the total amount of unused commitments. However, the likely amount of loss is less than the total unused commitments since most commitments to extend credit are contingent upon customers maintaining specific credit standards. The Group monitors the maturities of credit related commitments because longer-term commitments generally have a greater degree of credit risk than shorter-term commitments.

Performance guarantees are contracts that provide compensation if another party fails to perform a contractual obligation. Such contracts do not transfer credit risk. The risk under performance guarantee contracts is the possibility that the insured event (i.e. the failure to perform the contractual obligation by another party) occurs. The key risks the Group faces are significant fluctuations in the frequency and severity of payments incurred on such contracts relative to expectations. The Group uses historical data and statistical techniques to predict levels of such payments. Claims must be made before the contract matures and most claims are settled within short term. This allows the Group to achieve a high degree of certainty about the estimated payments and therefore future cashflows. The Group manages such risks by constantly monitoring the level of payments for such products and has the ability to adjust its fees in the future to reflect any change in claim payments experience. The Group has a claim payment requests handling process which includes the right to review the claim and reject fraudulent or non-compliant requests.

Outstanding credit related commitments and performance guarantees are as follows:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Undrawn credit lines and overdrafts	5,117.0	3,662.3
Commitments to extend guarantees	1,654.7	1,397.1
Guarantees issued:		
- Financial guarantees	830.0	844.2
- Performance guarantees	769.8	731.9
Import letters of credit and letters of credit for domestic settlements	687.7	463.5
Export letters of credit with credit risk	1.7	2.7
<b>Total credit related commitments and performance guarantees before loss allowance / provision (except for those of discontinued operations)</b>	<b>9,060.9</b>	<b>7,101.7</b>
Loss allowance / provision	(57.8)	(35.5)
<b>Credit related commitments and performance guarantees of discontinued operations before loss allowance / provision</b>	<b>136.9</b>	<b>—</b>
Less loss allowance / provision related to discontinued operations	(0.6)	—
<b>Total credit related commitments and performance guarantees</b>	<b>9,139.4</b>	<b>7,066.2</b>

For the purpose of ECL measurement credit related commitments balances are included in Stage 1. Refer to Note 33 for the ECL measurement approach.

### 34 Contingencies and Commitments (continued)

As at 31 December 2021 included in due to corporate customers are deposits of RR 409.5 billion (31 December 2020: RR 301.3 billion) held as collateral for irrevocable commitments under import letters of credit. Refer to Note 16.

The total outstanding contractual amount of undrawn credit lines, commitments to extend credit and guarantees, letters of credit and guarantees issued does not necessarily represent future cash payments, as these instruments may expire or terminate without any payments being made.

For the movements in the credit loss allowance / provision for impairment of credit related commitments and performance guarantees refer to Note 19.

**Assets under management.** As at 31 December 2021 and 31 December 2020 several asset management companies of the Group were managing assets of various investment entities. The net value of such assets was as follows:

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Funds of individuals	285.0	243.3
Mutual investment funds	243.7	152.3
Pension funds and insurance companies	46.4	54.8
Hedge funds	14.8	4.8
Designated funds	7.5	0.9
Venture funds	2.9	2.2
Other	43.6	46.1
<b>Total</b>	<b>643.9</b>	<b>504.4</b>

### 35 Derivative Financial Instruments

Foreign exchange and other derivative financial instruments entered into by the Group are generally traded in an over-the-counter market with professional market counterparties. Derivatives have potentially favorable (assets) or unfavorable (liabilities) conditions as a result of fluctuations in market interest rates, foreign exchange rates or other variables relative to their terms. Fair value of derivative financial assets and liabilities can fluctuate significantly from time to time. Refer to Note 36 for the information on valuation of derivative financial instruments.

The table reflects gross positions before the netting of any counterparty positions (and payments) and covers the contracts with settlement dates after the respective reporting date.

The table below shows the analysis of derivative financial instruments of the Group by type of basic asset as at 31 December 2021:

<i>in billions of Russian Roubles</i>	<u>Fair value of expected amounts</u>		Assets - Positive fair value	Liabilities - Negative fair value
	Receivable	Payable		
<b>Foreign currency:</b>				
Market swaps	0.7	(0.7)	—	—
OTC options	4.2	(5.2)	4.2	(5.2)
OTC swaps	3,644.6	(3,632.6)	30.6	(18.6)
Forwards	823.4	(928.6)	9.0	(114.2)
<b>Total</b>	<b>4,472.9</b>	<b>(4,567.1)</b>	<b>43.8</b>	<b>(138.0)</b>
<b>Interest rate:</b>				
OTC options	11.5	(15.4)	11.5	(15.4)
OTC swaps	69.1	(62.6)	69.1	(62.6)
Forwards	1.1	(0.4)	1.1	(0.4)
<b>Total</b>	<b>81.7</b>	<b>(78.4)</b>	<b>81.7</b>	<b>(78.4)</b>
<b>Foreign currency interest rate:</b>				
OTC swaps	1,429.5	(1,432.5)	51.3	(54.3)
<b>Total</b>	<b>1,429.5</b>	<b>(1,432.5)</b>	<b>51.3</b>	<b>(54.3)</b>
<b>Commodities including precious metals:</b>				
Market options	5.7	(1.8)	5.7	(1.8)
Market swaps	1.1	(0.8)	1.1	(0.8)
OTC options	28.8	(16.8)	28.8	(16.8)
OTC swaps	190.4	(201.3)	4.1	(15.0)
Forwards	0.5	(0.6)	0.2	(0.3)
Futures	9.1	(10.0)	9.1	(10.0)
<b>Total</b>	<b>235.6</b>	<b>(231.3)</b>	<b>49.0</b>	<b>(44.7)</b>
<b>Equities:</b>				
Market options	38.1	(1.2)	38.1	(1.2)
OTC options	30.7	(42.7)	30.7	(42.7)
OTC swaps	—	(0.2)	—	(0.2)
Forwards	0.1	(0.6)	0.1	(0.6)
<b>Total</b>	<b>68.9</b>	<b>(44.7)</b>	<b>68.9</b>	<b>(44.7)</b>
<b>Debt securities:</b>				
Market options	12.2	—	12.2	—
<b>Total</b>	<b>12.2</b>	<b>—</b>	<b>12.2</b>	<b>—</b>
<b>Credit risk:</b>				
OTC swaps	0.1	(0.3)	0.1	(0.3)
<b>Total</b>	<b>0.1</b>	<b>(0.3)</b>	<b>0.1</b>	<b>(0.3)</b>
<b>Other:</b>				
Market options	29.3	(19.2)	29.3	(19.2)
OTC options	—	(19.5)	—	(19.5)
<b>Total</b>	<b>29.3</b>	<b>(38.7)</b>	<b>29.3</b>	<b>(38.7)</b>
<b>Total</b>	<b>6,330.2</b>	<b>(6,393.0)</b>	<b>336.3</b>	<b>(399.1)</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 35 Derivative Financial Instruments (continued)

The table below shows the analysis of derivative financial instruments of the Group by type of basic asset as at 31 December 2020:

<i>in billions of Russian Roubles</i>	Fair value of expected amounts		Assets - Positive fair value	Liabilities - Negative fair value
	Receivable	Payable		
<b>Foreign currency:</b>				
Market swaps	3.6	(3.4)	0.2	—
OTC options	4.5	(6.0)	4.5	(6.0)
OTC swaps	2,960.3	(2,985.9)	21.4	(47.0)
Forwards	658.1	(653.3)	14.0	(9.2)
<b>Total</b>	<b>3,626.5</b>	<b>(3,648.6)</b>	<b>40.1</b>	<b>(62.2)</b>
<b>Interest rate:</b>				
Market swaps	0.1	(0.2)	0.1	(0.2)
OTC options	11.9	(3.4)	11.9	(3.4)
OTC swaps	60.8	(79.7)	59.4	(78.3)
<b>Total</b>	<b>72.8</b>	<b>(83.3)</b>	<b>71.4</b>	<b>(81.9)</b>
<b>Foreign currency interest rate:</b>				
OTC swaps	1,221.0	(1,225.7)	66.4	(71.1)
<b>Total</b>	<b>1,221.0</b>	<b>(1,225.7)</b>	<b>66.4</b>	<b>(71.1)</b>
<b>Commodities including precious metals:</b>				
Market options	7.6	(6.6)	7.6	(6.6)
Market swaps	0.1	(0.4)	0.1	(0.4)
OTC options	15.6	(14.3)	15.6	(14.3)
OTC swaps	180.5	(162.2)	25.4	(7.1)
Forwards	0.5	(1.0)	0.1	(0.6)
Futures	12.1	(12.4)	12.1	(12.4)
<b>Total</b>	<b>216.4</b>	<b>(196.9)</b>	<b>60.9</b>	<b>(41.4)</b>
<b>Equities:</b>				
Market options	31.4	(0.4)	31.4	(0.4)
OTC options	2.2	(38.4)	2.2	(38.4)
Forwards	—	(0.5)	—	(0.5)
Futures	0.1	(0.1)	0.1	(0.1)
<b>Total</b>	<b>33.7</b>	<b>(39.4)</b>	<b>33.7</b>	<b>(39.4)</b>
<b>Debt securities:</b>				
Market options	17.1	—	17.1	—
OTC options	—	(0.2)	—	(0.2)
<b>Total</b>	<b>17.1</b>	<b>(0.2)</b>	<b>17.1</b>	<b>(0.2)</b>
<b>Credit risk:</b>				
OTC swaps	—	(0.4)	—	(0.4)
<b>Total</b>	<b>—</b>	<b>(0.4)</b>	<b>—</b>	<b>(0.4)</b>
<b>Other:</b>				
Market options	2.0	(3.1)	2.0	(3.1)
OTC options	10.4	—	22.0	(11.6)
<b>Total</b>	<b>12.4</b>	<b>(3.1)</b>	<b>24.0</b>	<b>(14.7)</b>
<b>Total</b>	<b>5,199.9</b>	<b>(5,197.6)</b>	<b>313.6</b>	<b>(311.3)</b>

**36 Fair Value Disclosures**

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

The Group uses the following hierarchy for determining and disclosing the fair value of financial instruments by valuation technique:

- Level 1: quoted (unadjusted) prices in active markets for identical assets or liabilities;
- Level 2: techniques for which all inputs which have a significant effect on the recorded fair value are observable, either directly or indirectly; and
- Level 3: techniques which use inputs which have a significant effect on the recorded fair value that are not based on observable market data.

### 36 Fair Value Disclosures (continued)

The following table shows an analysis of assets carried at fair value or revalued amount by level of the fair value hierarchy as at 31 December 2021:

<i>in billions of Russian Roubles</i>	Level 1	Level 2	Level 3	Total
<b>Assets carried at fair value or revalued amount</b>				
Cash and cash equivalents	—	17.9	—	17.9
Due from banks	—	711.5	—	711.5
<b>Loans and advances to customers</b>	—	—	1,402.0	1,402.0
- Commercial loans to legal entities	—	—	142.6	142.6
- Project finance loans to legal entities	—	—	1,181.9	1,181.9
- Consumer and other loans to individuals	—	—	77.5	77.5
<b>Securities</b>				
- <b>Securities measured at fair value through other comprehensive income</b>	<b>1,520.8</b>	<b>1,124.7</b>	<b>98.4</b>	<b>2,743.9</b>
Russian federal loan bonds (OFZ bonds)	1,162.9	900.9	—	2,063.8
Corporate bonds	224.9	112.9	—	337.8
Russian Federation Eurobonds	96.2	89.0	—	185.2
Mortgage-backed securities	—	—	98.2	98.2
Foreign government and municipal bonds	35.7	19.9	—	55.6
Russian municipal and subfederal bonds	1.1	1.0	—	2.1
Promissory notes	—	1.0	—	1.0
Corporate shares and other equity instruments	—	—	0.2	0.2
- <b>Securities mandatorily measured at fair value through profit or loss</b>	<b>538.0</b>	<b>72.7</b>	<b>54.3</b>	<b>665.0</b>
Russian federal loan bonds (OFZ bonds)	213.8	3.0	—	216.8
Corporate shares and other equity instruments	167.0	0.2	5.8	173.0
Corporate bonds	86.6	56.4	0.4	143.4
Investments in mutual funds	55.2	1.2	48.1	104.5
Russian municipal and subfederal bonds	8.8	6.5	—	15.3
Foreign government and municipal bonds	6.0	0.1	—	6.1
Russian Federation Eurobonds	0.6	5.3	—	5.9
- <b>Securities designated at fair value through profit or loss</b>	<b>0.4</b>	—	—	<b>0.4</b>
Corporate shares and other equity instruments	0.2	—	—	0.2
Investments in mutual funds	0.2	—	—	0.2
<b>Financial instruments pledged under repurchase agreements</b>				
- <b>Securities measured at fair value through other comprehensive income</b>	<b>978.2</b>	<b>456.6</b>	<b>53.6</b>	<b>1,488.4</b>
Russian federal loan bonds (OFZ bonds)	897.5	437.4	—	1,334.9
Mortgage-backed securities	—	—	53.6	53.6
Foreign government and municipal bonds	35.4	—	—	35.4
Corporate bonds	31.2	1.7	—	32.9
Russian municipal and subfederal bonds	11.6	12.9	—	24.5
Russian Federation Eurobonds	2.5	4.6	—	7.1
- <b>Securities mandatorily measured at fair value through profit or loss</b>	<b>48.2</b>	—	—	<b>48.2</b>
Russian federal loan bonds (OFZ bonds)	25.2	—	—	25.2
Foreign government and municipal bonds	19.3	—	—	19.3
Corporate shares and other equity instruments	3.7	—	—	3.7
<b>Investments in associates and joint ventures designated at fair value through profit or loss</b>	—	—	27.1	27.1
<b>Derivative financial assets</b>	—	335.9	0.4	336.3
Interest rate derivatives	—	81.7	—	81.7
Equity securities derivatives	—	68.5	0.4	68.9
Foreign currency interest rate derivatives	—	51.3	—	51.3
Commodity derivatives including precious metals derivatives	—	49.0	—	49.0
Foreign currency derivatives	—	43.8	—	43.8
Debt securities derivatives	—	12.2	—	12.2
Credit risk derivatives	—	0.1	—	0.1
Other derivatives	—	29.3	—	29.3
<b>Investment property</b>	—	—	23.7	23.7
<b>Office premises</b>	—	—	278.7	278.7
<b>Assets of discontinued operations</b>	<b>25.2</b>	<b>23.7</b>	<b>19.1</b>	<b>68.0</b>
<b>Total assets carried at fair value or revalued amount</b>	<b>3,110.8</b>	<b>2,743.0</b>	<b>1,957.3</b>	<b>7,811.1</b>

### 36 Fair Value Disclosures (continued)

The following table shows an analysis of assets carried at fair value or revalued amount by level of the fair value hierarchy as at 31 December 2020:

<i>in billions of Russian Roubles</i>	Level 1	Level 2	Level 3	Total
<b>Assets carried at fair value or revalued amount</b>				
Cash and cash equivalents	—	5.4	—	5.4
Due from banks	—	540.7	—	540.7
<b>Loans and advances to customers</b>	—	—	<b>1,123.6</b>	<b>1,123.6</b>
- Commercial loans to legal entities	—	—	155.7	155.7
- Project finance loans to legal entities	—	—	915.0	915.0
- Consumer and other loans to individuals	—	—	52.9	52.9
<b>Securities</b>				
<b>- Securities measured at fair value through other comprehensive income</b>				
Russian federal loan bonds (OFZ bonds)	2,140.7	1,080.7	130.6	3,352.0
Corporate bonds	1,624.2	815.5	—	2,439.7
Russian Federation Eurobonds	309.0	159.2	—	468.2
Foreign government and municipal bonds	99.1	58.5	—	157.6
Mortgage-backed securities	107.3	45.5	2.3	155.1
Russian municipal and subfederal bonds	—	—	126.3	126.3
Corporate shares and other equity instruments	1.1	1.1	—	2.2
Promissory notes	—	—	2.0	2.0
- Securities mandatorily measured at fair value through profit or loss	—	0.9	—	0.9
Russian federal loan bonds (OFZ bonds)	473.4	122.4	32.1	627.9
Corporate shares and other equity instruments	201.2	5.9	—	207.1
Corporate bonds	134.1	39.9	7.4	181.4
Investments in mutual funds	80.8	67.4	—	148.2
Foreign government and municipal bonds	37.5	1.1	24.7	63.3
Russian Federation Eurobonds	16.5	0.1	—	16.6
Russian municipal and subfederal bonds	2.3	4.6	—	6.9
- Securities designated at fair value through profit or loss	1.0	3.4	—	4.4
Corporate shares and other equity instruments	0.6	—	—	0.6
Investments in mutual funds	0.4	—	—	0.4
Investments in mutual funds	0.2	—	—	0.2
<b>Financial instruments pledged under repurchase agreements</b>				
<b>- Securities measured at fair value through other comprehensive income</b>				
Russian federal loan bonds (OFZ bonds)	837.4	61.1	—	898.5
Russian Federation Eurobonds	803.7	16.7	—	820.4
Russian municipal and subfederal bonds	4.2	34.8	—	39.0
Foreign government and municipal bonds	10.7	9.6	—	20.3
Corporate bonds	15.5	—	—	15.5
- Securities mandatorily measured at fair value through profit or loss	3.3	—	—	3.3
Russian federal loan bonds (OFZ bonds)	19.6	0.1	—	19.7
Corporate bonds	17.9	—	—	17.9
Corporate shares and other equity instruments	0.4	—	—	0.4
Russian Federation Eurobonds	1.2	—	—	1.2
Russian Federation Eurobonds	0.1	0.1	—	0.2
<b>Investments in associates and joint ventures designated at fair value through profit or loss</b>				
	—	—	24.9	24.9
<b>Derivative financial assets</b>				
Interest rate derivatives	—	313.6	—	313.6
Foreign currency interest rate derivatives	—	71.4	—	71.4
Commodity derivatives including precious metals derivatives	—	66.4	—	66.4
Foreign currency derivatives	—	60.9	—	60.9
Equity securities derivatives	—	40.1	—	40.1
Debt securities derivatives	—	33.7	—	33.7
Other derivatives	—	17.1	—	17.1
	—	24.0	—	24.0
<b>Investment property</b>	—	—	<b>6.1</b>	<b>6.1</b>
<b>Office premises</b>	—	—	<b>258.5</b>	<b>258.5</b>
<b>Total assets carried at fair value or revalued amount</b>	<b>3,471.7</b>	<b>2,124.0</b>	<b>1,575.8</b>	<b>7,171.5</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 36 Fair Value Disclosures (continued)

The following table shows fair values of financial assets for which fair values are disclosed, by level of the fair value hierarchy as at 31 December 2021:

<i>in billions of Russian Roubles</i>	Carrying value	Fair value			Total
		Level 1	Level 2	Level 3	
<b>Financial assets for which fair values are disclosed</b>					
Cash and cash equivalents	2,391.4	800.5	1,590.9	—	2,391.4
Mandatory cash balances with central banks	273.8	—	273.8	—	273.8
Due from banks	821.0	—	821.0	—	821.0
Loans and advances to customers					
- Loans to corporate customers	14,849.4	—	—	14,799.1	14,799.1
- Loans to individuals	10,844.1	—	—	10,840.7	10,840.7
Securities measured at amortized cost	1,607.6	1,137.1	464.0	2.5	1,603.6
Financial instruments pledged under repurchase agreements measured at amortized cost	112.5	36.4	74.2	—	110.6
Investments in associates and joint ventures accounted for using equity method	138.6	—	—	132.9	132.9
Other financial assets	454.2	—	—	454.2	454.2
Assets of discontinued operations	536.4	79.0	71.2	406.9	557.1
<b>Total financial assets for which fair values are disclosed</b>	<b>32,029.0</b>	<b>2,053.0</b>	<b>3,295.1</b>	<b>26,636.3</b>	<b>31,984.4</b>

The following table shows fair values of financial assets for which fair values are disclosed, by level of the fair value hierarchy as at 31 December 2020:

<i>in billions of Russian Roubles</i>	Carrying value	Fair value			Total
		Level 1	Level 2	Level 3	
<b>Financial assets for which fair values are disclosed</b>					
Cash and cash equivalents	2,371.4	625.5	1,745.9	—	2,371.4
Mandatory cash balances with central banks	279.6	—	279.6	—	279.6
Due from banks	671.6	—	671.6	—	671.6
Loans and advances to customers					
- Loans to corporate customers	13,512.9	—	—	13,688.8	13,688.8
- Loans to individuals	8,749.9	—	—	8,756.9	8,756.9
Securities measured at amortized cost	1,643.9	1,183.6	556.1	2.8	1,742.5
Financial instruments pledged under repurchase agreements measured at amortized cost	14.8	14.0	1.8	—	15.8
Investments in associates and joint ventures accounted for using equity method	115.6	—	—	112.1	112.1
Other financial assets	408.6	—	—	408.6	408.6
<b>Total financial assets for which fair values are disclosed</b>	<b>27,768.3</b>	<b>1,823.1</b>	<b>3,255.0</b>	<b>22,969.2</b>	<b>28,047.3</b>

**36 Fair Value Disclosures (continued)**

Level 2 assets carried at fair value include short term liquid balances due from banks, debt securities of first-class issuers and derivative financial instruments that are not actively traded on the market. Fair value of these financial instruments was calculated using techniques for which all inputs which have a significant effect on the recorded fair value are observable on the active market. Financial characteristics of comparable financial instruments actively traded on the market were used as inputs for the fair valuation models.

The following table shows an analysis of financial liabilities carried at fair value by level of the fair value hierarchy as at 31 December 2021:

<i>in billions of Russian Roubles</i>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
<b>Financial liabilities carried at fair value</b>				
Due to banks designated at fair value through profit or loss	—	634.8	—	<b>634.8</b>
Due to individuals designated at fair value through profit or loss	—	186.4	—	<b>186.4</b>
Due to corporate customers designated at fair value through profit or loss	—	74.7	—	<b>74.7</b>
Debt securities in issue measured at fair value through profit or loss	—	32.3	—	<b>32.3</b>
<b>Derivative financial instruments</b>	<b>—</b>	<b>379.6</b>	<b>19.5</b>	<b>399.1</b>
Foreign currency derivatives	—	138.0	—	<b>138.0</b>
Interest rate derivatives	—	78.4	—	<b>78.4</b>
Foreign currency interest rate derivatives	—	54.3	—	<b>54.3</b>
Commodity derivatives including precious metals derivatives	—	44.7	—	<b>44.7</b>
Equity securities derivatives	—	44.7	—	<b>44.7</b>
Credit risk derivatives	—	0.3	—	<b>0.3</b>
Other derivatives	—	19.2	19.5	<b>38.7</b>
<b>Obligation to deliver securities</b>	<b>128.6</b>	<b>2.9</b>	<b>—</b>	<b>131.5</b>
Russian federal loan bonds (OFZ bonds)	79.3	—	—	<b>79.3</b>
Corporate shares and other equity instruments	29.2	—	—	<b>29.2</b>
Corporate bonds	13.7	—	—	<b>13.7</b>
Russian Federation Eurobonds	5.9	2.9	—	<b>8.8</b>
Foreign government and municipal bonds	0.4	—	—	<b>0.4</b>
Russian municipal and subfederal bonds	0.1	—	—	<b>0.1</b>
<b>Liabilities of discontinued operations</b>	<b>—</b>	<b>0.6</b>	<b>—</b>	<b>0.6</b>
<b>Total financial liabilities carried at fair value</b>	<b>128.6</b>	<b>1,311.3</b>	<b>19.5</b>	<b>1,459.4</b>

**36 Fair Value Disclosures (continued)**

The following table shows an analysis of financial liabilities carried at fair value by level of the fair value hierarchy as at 31 December 2020:

<i>in billions of Russian Roubles</i>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Total</b>
<b>Financial liabilities carried at fair value</b>				
Due to banks designated at fair value through profit or loss	—	251.1	—	<b>251.1</b>
Due to individuals designated at fair value through profit or loss	—	197.1	—	<b>197.1</b>
Due to corporate customers designated at fair value through profit or loss	—	35.8	—	<b>35.8</b>
Debt securities in issue measured at fair value through profit or loss	—	2.0	—	<b>2.0</b>
<b>Derivative financial instruments</b>	<b>—</b>	<b>299.7</b>	<b>11.6</b>	<b>311.3</b>
Interest rate derivatives	—	81.9	—	<b>81.9</b>
Foreign currency interest rate derivatives	—	71.1	—	<b>71.1</b>
Foreign currency derivatives	—	62.2	—	<b>62.2</b>
Commodity derivatives including precious metals derivatives	—	41.4	—	<b>41.4</b>
Equity securities derivatives	—	39.4	—	<b>39.4</b>
Credit risk derivatives	—	0.4	—	<b>0.4</b>
Debt securities derivatives	—	0.2	—	<b>0.2</b>
Other derivatives	—	3.1	11.6	<b>14.7</b>
<b>Obligation to deliver securities</b>	<b>59.4</b>	<b>3.3</b>	<b>—</b>	<b>62.7</b>
Corporate bonds	21.7	0.7	—	<b>22.4</b>
Russian federal loan bonds (OFZ bonds)	18.6	—	—	<b>18.6</b>
Corporate shares	16.3	—	—	<b>16.3</b>
Russian Federation Eurobonds	2.8	2.6	—	<b>5.4</b>
<b>Total financial liabilities carried at fair value</b>	<b>59.4</b>	<b>789.0</b>	<b>11.6</b>	<b>860.0</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 36 Fair Value Disclosures (continued)

The following table shows fair values of financial liabilities for which fair values are disclosed, by level of the fair value hierarchy as at 31 December 2021:

<i>in billions of Russian Roubles</i>	Carrying value	Fair value			Total
		Level 1	Level 2	Level 3	
<b>Financial liabilities for which fair values are disclosed</b>					
Due to banks	1,783.8	—	1,784.0	0.1	<b>1,784.1</b>
Due to individuals					
- Current / demand accounts	7,784.4	—	7,784.4	—	<b>7,784.4</b>
- Term deposits and direct repo agreements	9,884.0	—	5.7	9,860.6	<b>9,866.3</b>
Due to corporate customers					
- Current / demand accounts	3,550.2	—	3,550.2	—	<b>3,550.2</b>
- Term deposits and direct repo agreements	6,832.7	—	72.5	6,696.8	<b>6,769.3</b>
Debt securities in issue	863.3	72.2	767.1	—	<b>839.3</b>
Other borrowed funds	80.7	—	80.9	—	<b>80.9</b>
Other financial liabilities	583.7	—	—	583.7	<b>583.7</b>
Subordinated debt	552.5	138.7	55.9	349.5	<b>544.1</b>
Liabilities of discontinued operations	579.4	—	16.2	545.9	<b>562.1</b>
<b>Total financial liabilities for which fair values are disclosed</b>	<b>32,494.7</b>	<b>210.9</b>	<b>14,116.9</b>	<b>18,036.6</b>	<b>32,364.4</b>

The following table shows fair values of financial liabilities for which fair values are disclosed, by level of the fair value hierarchy as at 31 December 2020:

<i>in billions of Russian Roubles</i>	Carrying value	Fair value			Total
		Level 1	Level 2	Level 3	
<b>Financial liabilities for which fair values are disclosed</b>					
Due to banks	1,312.3	—	1,260.2	50.0	<b>1,310.2</b>
Due to individuals					
- Current / demand accounts	6,055.9	—	6,055.9	—	<b>6,055.9</b>
- Term deposits and direct repo agreements	10,402.7	—	14.7	10,541.1	<b>10,555.8</b>
Due to corporate customers					
- Current / demand accounts	3,238.9	—	3,238.9	—	<b>3,238.9</b>
- Term deposits and direct repo agreements	5,905.3	—	55.7	5,924.6	<b>5,980.3</b>
Debt securities in issue	812.2	123.3	694.4	—	<b>817.7</b>
Other borrowed funds	68.0	—	23.0	45.0	<b>68.0</b>
Other financial liabilities	401.3	—	—	401.3	<b>401.3</b>
Subordinated debt	487.6	145.3	—	349.6	<b>494.9</b>
<b>Total financial liabilities for which fair values are disclosed</b>	<b>28,684.2</b>	<b>268.6</b>	<b>11,342.8</b>	<b>17,311.6</b>	<b>28,923.0</b>

### 36 Fair Value Disclosures (continued)

The following describes the methodologies and assumptions used to determine fair values for financial instruments.

#### *Derivatives*

Derivatives valued using a valuation technique with market observable inputs derived from well-known market information systems are mainly foreign currency interest rate swaps, interest rate swaps, currency swaps, forward foreign exchange contracts and foreign exchange option contracts. The most frequently applied valuation techniques include forward pricing and swap models, using present value calculations. Pricing of options is mostly done with Black-Scholes model and for certain types of options with stochastic local volatility model. The models incorporate various inputs including the credit quality of counterparties, foreign exchange spot and forward rates, interest rate curves and implied volatility. In rare exceptional cases, DCF model may be applied, in case where it is impossible to obtain market data.

#### *Securities measured at fair value through profit or loss and securities at fair value through other comprehensive income*

Securities measured at fair value through profit or loss and securities measured at fair value through other comprehensive income valued using a valuation technique or pricing models primarily consist of unquoted equity and debt securities. These securities are valued using models which sometimes only incorporate data observable in the market and at other times use both observable and non-observable data. The non-observable inputs to the models include assumptions regarding the future financial performance of the investee, its risk profile, and economic assumptions regarding the industry and geographical jurisdiction in which the investee operates.

The following table shows transfers between Level 1 and Level 2 of the fair value hierarchy for financial assets and financial liabilities measured at fair value during the year ended 31 December 2021:

<i>in billions of Russian Roubles</i>	<b>Transfers between Level 1 and Level 2</b>	
	<b>From Level 1 to Level 2</b>	<b>From Level 2 to Level 1</b>
<b>Financial assets</b>		
Securities measured at fair value through other comprehensive income	544.7	292.7
Securities mandatorily measured at fair value through profit or loss	37.1	44.1
Securities measured at fair value through other comprehensive income pledged under repurchase agreements	437.5	177.3
<b>Total transfers of financial assets</b>	<b>1,019.3</b>	<b>514.1</b>
Obligation to deliver securities	(1.4)	(3.1)
<b>Total transfers of financial liabilities</b>	<b>(1.4)</b>	<b>(3.1)</b>

### 36 Fair Value Disclosures (continued)

The following table shows transfers between Level 1 and Level 2 of the fair value hierarchy for financial assets and financial liabilities measured at fair value during the year ended 31 December 2020:

<i>in billions of Russian Roubles</i>	Transfers between Level 1 and Level 2	
	From Level 1 to Level 2	From Level 2 to Level 1
<b>Financial assets</b>		
Securities measured at fair value through other comprehensive income	263.9	231.0
Securities mandatorily measured at fair value through profit or loss	59.0	51.0
Securities measured at fair value through other comprehensive income pledged under repurchase agreements	53.0	6.3
Securities mandatorily measured at fair value through profit or loss pledged under repurchase agreements	0.1	—
<b>Total transfers of financial assets</b>	<b>376.0</b>	<b>288.3</b>
Obligation to deliver securities	(8.3)	(10.2)
<b>Total transfers of financial liabilities</b>	<b>(8.3)</b>	<b>(10.2)</b>

The financial instruments are transferred from Level 2 and Level 3 to Level 1 when they become actively traded and fair values are determined using quoted prices in an active market.

The financial instruments are transferred from Level 1 to Level 2 when they ceased to be actively traded, the liquidity of the market is not sufficient to use the market quotation for the valuation and fair values are consequently obtained from valuation techniques using observable market inputs.

The financial instruments are transferred to Level 3 when they ceased to be actively traded and there is no possibility to use valuation techniques with observable market inputs.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 36 Fair Value Disclosures (continued)

The following table shows a reconciliation of the opening and closing amount of Level 3 assets and liabilities which are recorded at fair value as at 31 December 2021:

<i>in billions of Russian Roubles</i>	At 31 December 2020	Total gains/ (losses)/ (expenses) reported in profit or loss	Foreign currency revaluation/ translation	Total losses reported in other compre- hensive income	Total gains/ (losses) of discontinued operations	Origination/ Purchases/ Transfers	Sales/ Settlements/ Transfers	Disposal of subsidiaries and transfers to assets of discontinued operations	Transfers to Level 3	At 31 December 2021
Securities mandatorily measured at fair value through profit or loss	32.1	24.9	(0.1)	—	—	5.6	(8.6)	(0.2)	0.6	54.3
Securities measured at fair value through other comprehensive income	130.6	6.3	(0.2)	(10.8)	0.2	69.3	(93.6)	(3.4)	—	98.4
Financial instruments pledged under repurchase agreements measured at fair value through other comprehensive income	—	2.1	—	(2.0)	—	63.7	(10.2)	—	—	53.6
Loans and advances to customers	1,123.6	64.4	(16.0)	—	(0.6)	1,060.0	(813.1)	(16.3)	—	1,402.0
Investments in associates and joint ventures designated at fair value through profit or loss	24.9	3.6	—	—	—	0.2	(1.6)	—	—	27.1
Derivative financial assets	—	—	—	—	—	0.4	—	—	—	0.4
Investment property	6.1	(0.3)	0.1	—	—	21.6	(2.0)	(1.8)	—	23.7
Office premises	258.5	(6.6)	(0.3)	(0.5)	—	33.6	(4.1)	(1.9)	—	278.7
Other financial assets	—	—	—	—	—	—	—	—	—	—
Assets of discontinued operations	—	(0.4)	(0.7)	—	—	0.3	—	19.9	—	19.1
<b>Total level 3 assets</b>	<b>1,575.8</b>	<b>94.0</b>	<b>(17.2)</b>	<b>(13.3)</b>	<b>(0.4)</b>	<b>1,254.7</b>	<b>(933.2)</b>	<b>(3.7)</b>	<b>0.6</b>	<b>1,957.3</b>
Derivative financial liabilities	11.6	7.9	—	—	—	—	—	—	—	19.5
<b>Total level 3 liabilities</b>	<b>11.6</b>	<b>7.9</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>19.5</b>

**36 Fair Value Disclosures (continued)**

For the year ended 31 December 2021 the gains in the amount of RR 14.3 billion reported in the consolidated statement of profit or loss on Level 3 financial assets were unrealized.

For the year ended 31 December 2021 the gains in the amount of RR 7.9 billion reported in the consolidated statement of profit or loss on Level 3 financial liabilities were unrealized.

For the year ended 31 December 2021 the losses in the amount RR 12.9 billion reported in the consolidated statement of comprehensive income on Level 3 financial assets were unrealized.

Details of valuation of significant assets as at 31 December 2021 are summarised below.

**Valuation of loans using valuation techniques based on non-observable inputs**

The Group determined fair value of loans based on discounted cash flow models and using the pricing of embedded derivatives. The models use a number of observable and non-observable inputs on the market, key of which (depends on particular loan) are the interest rates, the credit spread and estimated cash flows.

Should the interest rate used by the Group in the valuation model for loans to a chemical company with fair value of 377.2 billion increase / decrease by 1.0%, the carrying value of the loans would be RR 6.6 billion lower / RR 6.6 billion higher. Should the credit spread used by the Group in the valuation model for loans to the company increase / decrease by 1.0%, the carrying value of the loans would be RR 3.5 billion lower / RR 3.5 billion higher.

Should the interest rate used by the Group in the valuation model for loans to an oil refining company with fair value of 100.4 billion increase / decrease by 1.0%, the carrying value of the loans would be RR 0.6 billion lower / RR 0.6 billion higher. Should the credit spread used by the Group in the valuation model for loans to the company increase / decrease by 1.0%, the carrying value of the loans would be RR 1.3 billion lower / RR 1.3 billion higher.

In valuation above, market convention LGD which is equal to 75.0% was used.

Should the sum of discounted cash flows used by the Group in the valuation model for loans to an oil refining company with fair value of RR 124.0 billion increase / decrease by 5.0%, the carrying value of the loans would be RR 6.2 billion higher / RR 6.2 billion lower.

Should the sum of discounted cash flows used by the Group in the valuation model for loans to a real estate company with fair value of RR 33.1 billion increase / decrease by 5.0%, the carrying value of the loans would be RR 1.7 billion higher / RR 1.7 billion lower.

**36 Fair Value Disclosures (continued)****Valuation of mortgage-backed securities using valuation techniques based on non-observable inputs**

The model uses a number of observable and unobservable inputs to derive a valuation, key of which include risk-free curve and the credit spread for JSC “DOM.RF” (all considered observable), while portfolio aging period and behavioral adjustment on refinancing position represent key unobservable inputs.

Should the risk-free curve used by the Group in the valuation model for securities of RR 67.0 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 2.1 billion lower / RR 2.2 billion higher. Should the JSC “DOM.RF” credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 2.1 billion lower / RR 2.2 billion higher.

Should the risk-free curve used by the Group in the valuation model for securities of RR 33.9 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.9 billion lower / RR 0.9 billion higher. Should the JSC “DOM.RF” credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.9 billion lower / RR 0.9 billion higher.

Should the risk-free curve used by the Group in the valuation model for securities of RR 21.0 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.4 billion lower / RR 0.4 billion higher. Should the JSC “DOM.RF” credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.4 billion lower / RR 0.4 billion higher.

Should the risk-free curve used by the Group in the valuation model for securities of RR 15.8 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.4 billion lower / RR 0.4 billion higher. Should the JSC “DOM.RF” credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.4 billion lower / RR 0.4 billion higher.

Should the risk-free curve used by the Group in the valuation model for securities of RR 13.6 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.3 billion lower / RR 0.3 billion higher. Should the JSC “DOM.RF” credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.3 billion lower / RR 0.3 billion higher.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 36 Fair Value Disclosures (continued)

The following table shows a reconciliation of the opening and closing amount of Level 3 assets and liabilities which are recorded at fair value as at 31 December 2020:

<i>in billions of Russian Roubles</i>	At 31 December 2019	Total gains/ (losses)/ (expenses) reported in profit or loss	Foreign currency revaluation/ translation	Total gains/ (losses) reported in other compre- hensive income	Total gains/ (losses) of discontinued operations	Origination/ Purchases/ Transfers	Sales/ Settlements/ Transfers	Transfers from Level 3	Transfers to Level 3	At 31 December 2020
Securities mandatorily measured at fair value through profit or loss	18.0	9.6	1.6	—	(0.3)	22.1	(2.0)	(17.2)	0.3	32.1
Securities measured at fair value through other comprehensive income	101.1	7.7	0.8	0.3	—	47.5	(26.8)	—	—	130.6
Loans and advances to customers	952.7	(30.9)	159.9	—	0.2	496.9	(455.2)	—	—	1,123.6
Investments in associates and joint ventures designated at fair value through profit or loss	19.4	2.2	—	—	—	3.3	—	—	—	24.9
Derivative financial assets	0.7	(0.1)	—	—	—	—	(0.6)	—	—	—
Investment property	4.7	—	0.1	—	—	0.2	(1.1)	—	2.2	6.1
Office premises	280.6	(11.9)	0.2	(4.0)	—	7.0	(12.9)	(1.3)	0.8	258.5
<b>Total level 3 assets</b>	<b>1,377.2</b>	<b>(23.4)</b>	<b>162.6</b>	<b>(3.7)</b>	<b>(0.1)</b>	<b>577.0</b>	<b>(498.6)</b>	<b>(18.5)</b>	<b>3.3</b>	<b>1,575.8</b>
Derivative financial liabilities	2.2	0.6	—	—	—	8.8	—	—	—	11.6
<b>Total level 3 liabilities</b>	<b>2.2</b>	<b>0.6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>8.8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>11.6</b>

**36 Fair Value Disclosures (continued)**

For the year ended 31 December 2020 the losses in the amount of RR 60.1 billion reported in the consolidated statement of profit or loss on Level 3 financial assets were unrealized.

For the year ended 31 December 2020 the losses in the amount of RR 0.6 billion reported in the consolidated statement of profit or loss on Level 3 financial liabilities were unrealized.

For the year ended 31 December 2020 the gains in the amount RR 0.3 billion reported in the consolidated statement of comprehensive income on Level 3 financial assets were unrealized.

Details of valuation of significant assets as at 31 December 2020 are summarised below.

**Valuation of loans using valuation techniques based on non-observable inputs**

The Group determined fair value of loans based on discounted cash flow models and using the pricing of embedded derivatives. The models use a number of observable and non-observable inputs on the market, key of which (depends on particular loan) are the interest rates, the credit spread and estimated cash flows.

Should the interest rate used by the Group in the valuation model for loans to a chemical company with fair value of 468.5 billion increase / decrease by 1.0%, the carrying value of the loans would be RR 7.8 billion lower / RR 7.8 billion higher. Should the credit spread used by the Group in the valuation model for loans to the company increase / decrease by 1.0%, the carrying value of the loans would be RR 5.2 billion lower / RR 5.2 billion higher.

In valuation above market convention LGD which is equal to 75% was used.

Should the sum of discounted cash flows used by the Group in the valuation model for loans to an oil refining company with fair value of RR 108.7 billion increase / decrease by 5.0%, the carrying value of the loans would be RR 5.4 billion higher / RR 5.4 billion lower.

Should the sum of discounted cash flows used by the Group in the valuation model for loans to another oil refining company with fair value of RR 65.0 billion increase / decrease by 5.0%, the carrying value of the loans would be RR 3.3 billion higher / RR 3.3 billion lower.

**Valuation of mortgage-backed securities using valuation techniques based on non-observable inputs**

The model uses a number of observable and unobservable inputs to derive a valuation, key of which include risk-free curve and the credit spread for JSC "DOM.RF" (all considered observable), while portfolio aging period and behavioral adjustment on refinancing position represent key unobservable inputs.

Should the risk-free curve used by the Group in the valuation model for securities of RR 48.9 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 1.2 billion lower / RR 1.3 billion higher. Should the JSC "DOM.RF" credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 1.2 billion lower / RR 1.3 billion higher.

Should the risk-free curve used by the Group in the valuation model for securities of RR 23.5 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.6 billion lower / RR 0.6 billion higher. Should the JSC "DOM.RF" credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.6 billion lower / RR 0.6 billion higher.

Should the risk-free curve used by the Group in the valuation model for securities of RR 31.8 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.8 billion lower / RR 0.8 billion higher. Should the JSC "DOM.RF" credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.5 billion lower / RR 0.6 billion higher.

Should the risk-free curve used by the Group in the valuation model for securities of RR 21.1 billion increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.5 billion lower / RR 0.6 billion higher. Should the JSC "DOM.RF" credit spread used by the Group in the valuation model increase / decrease by 1.0%, the carrying value of the financial instrument would be RR 0.8 billion lower / RR 0.8 billion higher.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 37 Transfers of Financial Assets and Pledged Assets

The following note provides a summary of financial assets which have been pledged or transferred in such a way that part or all of the transferred financial assets do not qualify for derecognition.

The table below shows the amount of operations under sale and repurchase agreements which the Group enters into in the normal course of business.

<i>in billions of Russian Roubles</i>	31 December 2021				31 December 2020			
	Due to banks		Due to customers		Due to banks		Due to customers	
	Carrying value of assets	Carrying value of related liability	Carrying value of assets	Carrying value of related liability	Carrying value of assets	Carrying value of related liability	Carrying value of assets	Carrying value of related liability
Securities pledged under repurchase agreements	611.2	572.0	1,037.9	989.1	525.2	485.1	407.8	404.0
Securities received under reverse repo agreements pledged under repurchase agreements	80.2	72.6	44.6	50.8	92.8	83.3	21.9	29.5
GCC pledged under repurchase agreements	250.8	251.0	—	—	54.8	54.8	—	—
<b>Total before margin calls</b>	<b>942.2</b>	<b>895.6</b>	<b>1,082.5</b>	<b>1,039.9</b>	<b>672.8</b>	<b>623.2</b>	<b>429.7</b>	<b>433.5</b>
Other financial assets (margin calls under repurchase agreements)	—	—	—	—	—	—	0.1	—
<b>Total</b>	<b>942.2</b>	<b>895.6</b>	<b>1,082.5</b>	<b>1,039.9</b>	<b>672.8</b>	<b>623.2</b>	<b>429.8</b>	<b>433.5</b>

Refer to Note 9 for information on details of own securities portfolio pledged under repurchase agreements.

The Group enters in repurchase agreements with general collateral certificates (the “GCC”) on MOEX. The GCC are issued based on collateral pool and are used as a homogeneous universal collateral for repurchase agreements cleared through the central counterparty. The GCC are obtained under reverse repo agreements or by transferring assets to the collateral pool. Pool participant has the right to manage the assets in the collateral pool, including their replacement. The central counterparty evaluates the assets transferred to the collateral pool based on technique covering all risks. The GCC are issued at nominal value to the pool participants as the collateral value equivalent of the instruments transferred to the collateral pool. The GCC may only be used as a collateral in repurchase agreements. The collateral pool is revalued on a daily basis, and rebalancing of the GCC amount to match the updated estimated collateral value is performed. Title on assets transferred to the collateral pool remains with the participant. If the participant fails to repay repo transaction with GCC, the central counterparty enforces repo liability settlement by selling the assets transferred to the collateral pool by this participant.

<i>in billions of Russian Roubles</i>	31 December 2021		31 December 2020	
	Carrying value of assets transferred to the GCC collateral pool	Nominal value of GCC	Carrying value of assets transferred to the GCC collateral pool	Nominal value of GCC
Securities transferred to the GCC collateral pool				
- Corporate bonds	464.6	382.4	540.0	458.7
Cash and cash equivalents	7.5	7.5	1.0	1.0
<b>Total</b>	<b>472.1</b>	<b>389.9</b>	<b>541.0</b>	<b>459.7</b>

## Notes to the Consolidated Financial Statements – 31 December 2021

### 37 Transfers of Financial Assets and Pledged Assets (continued)

In the normal course of business, the Group makes borrowings on interbank market using different financial instruments as collateral to support its everyday operations in terms of liquidity.

The summary of the financial assets transferred without derecognition and pledged assets is presented below:

<i>in billions of Russian Roubles</i>	31 December 2021		31 December 2020	
	Carrying value of assets	Carrying value of related liability	Carrying value of assets	Carrying value of related liability
Loans to corporate customers	161.5	127.3	30.0	24.8
Securities	22.6	10.1	36.5	31.1
Other assets	—	—	0.5	0.2
<b>Total</b>	<b>184.1</b>	<b>137.4</b>	<b>67.0</b>	<b>56.1</b>

Margin calls transferred are disclosed in Note 14.

The Group also enters into reverse sale and repurchase agreements. The summary of such operations is provided in the table below:

<i>in billions of Russian Roubles</i>	31 December 2021		31 December 2020	
	Amount of loans granted under repo agreements	Fair value of securities received as collateral	Amount of loans granted under repo agreements	Fair value of securities received as collateral
Cash and cash equivalents	82.3	85.2	20.1	20.9
Due from banks	1,255.0	1,527.8	1,000.6	1,235.1
Loans and advances to customers	172.0	258.5	114.7	148.8
<b>Total</b>	<b>1,509.3</b>	<b>1,871.5</b>	<b>1,135.4</b>	<b>1,404.8</b>

### 38 Offsetting of Financial Instruments

Financial instruments subject to offsetting, enforceable master netting (ISDA, RISDA, etc.) and similar arrangements are as follows as at 31 December 2021:

<i>in billions of Russian Roubles</i>	Gross amount of recognized financial assets/liabilities	Gross amount of recognized financial assets/liabilities set off in the consolidated statement of financial position	Net amount of financial assets/liabilities presented in the consolidated statement of financial position	Financial instruments	Cash collateral	Net amount
<b>Financial assets</b>						
Derivative financial assets	258.6	—	258.6	(152.3)	(18.1)	88.2
Reverse repurchase agreements	1,509.3	—	1,509.3	(1,509.3)	—	—
<b>Total financial assets</b>	<b>1,767.9</b>	<b>—</b>	<b>1,767.9</b>	<b>(1,661.6)</b>	<b>(18.1)</b>	<b>88.2</b>
<b>Financial liabilities</b>						
Derivative financial liabilities	335.7	—	335.7	(152.3)	(28.1)	155.3
Direct repurchase agreements	1,935.5	—	1,935.5	(1,897.9)	—	37.6
<b>Total financial liabilities</b>	<b>2,271.2</b>	<b>—</b>	<b>2,271.2</b>	<b>(2,050.2)</b>	<b>(28.1)</b>	<b>192.9</b>

The comparative information as at 31 December 2020 is presented in the table below:

<i>in billions of Russian Roubles</i>	Gross amount of recognized financial assets/liabilities	Gross amount of recognized financial assets/liabilities set off in the consolidated statement of financial position	Net amount of financial assets/liabilities presented in the consolidated statement of financial position	Financial instruments	Cash collateral	Net amount
<b>Financial assets</b>						
Derivative financial assets	231.7	—	231.7	(125.2)	(12.8)	93.7
Reverse repurchase agreements	1,135.4	—	1,135.4	(1,135.4)	—	—
<b>Total financial assets</b>	<b>1,367.1</b>	<b>—</b>	<b>1,367.1</b>	<b>(1,260.6)</b>	<b>(12.8)</b>	<b>93.7</b>
<b>Financial liabilities</b>						
Derivative financial liabilities	256.1	—	256.1	(125.2)	(73.7)	57.2
Direct repurchase agreements	1,056.7	—	1,056.7	(1,048.2)	—	8.5
Other financial liabilities	3.3	—	3.3	(3.3)	—	—
<b>Total financial liabilities</b>	<b>1,316.1</b>	<b>—</b>	<b>1,316.1</b>	<b>(1,176.7)</b>	<b>(73.7)</b>	<b>65.7</b>

The Group has master netting arrangements with counterparty banks, which are enforceable in case of default. The Group also made margin deposits with clearing house counterparty as collateral for its outstanding derivative positions. The counterparty may set off the Group's liabilities with the margin deposit in case of default. Margin calls transferred are presented within other financial assets (refer to Note 14).

The Group also received margin deposits as collateral which may be set off with the Group's counterparties' liabilities on outstanding derivative contracts in case of default of the Group's counterparties. Margin calls received are presented within other financial liabilities (refer to Note 19).

The disclosure does not apply to loans and advances to customers and related customer deposits unless they are set off in the consolidated statement of financial position.

**39 Related Party Transactions**

For the purposes of these consolidated financial statements, parties are considered to be related if one party has the ability to control the other party, is under common control, or can exercise significant influence over the other party in making financial or operational decisions. In considering each possible related party relationship, attention is directed to the substance of the relationship, not merely the legal form.

Starting from April 2020 the Bank's principal shareholder and the ultimate controlling party is the Russian Federation represented by the Government of the Russian Federation (the "Government"). Before that date the Bank's principal and ultimate controlling shareholder was the Bank of Russia. Refer to Note 1.

Other related parties in the tables below comprise key management personnel of the Group including their close family members, as well as associated companies, joint ventures of the Group and other related parties (hereafter "Associates, JVs and other related parties").

Disclosures are made in Note 40 for significant transactions with state-controlled entities and regional / municipal state authorities. Information on investments in associates and joint ventures is disclosed in Note 11.

As at 31 December 2021, the outstanding balances with the Government (for the purposes of this Note including its federal ministries, services and agencies) and other related parties were as follows:

	<b>31 December 2021</b>		
<i>in billions of Russian Roubles</i>	<b>The Government</b>	<b>Associates, JVs and other related parties</b>	<b>Key management personnel</b>
<b>Assets</b>			
Loans and advances to customers before credit loss allowance (contractual interest rates: 1.9% p.a. - 18.5% p.a.)	40.1	67.4	—
Securities (contractual interest rates: 1.1% p.a. - 12.8% p.a.)	3,011.4	—	—
Financial instruments pledged under repurchase agreements (contractual interest rate: 1.1% p.a. - 12.8% p.a.)	1,370.7	—	—
Assets of the disposal groups and non-current assets held for sale	—	0.3	—
Other assets	0.4	0.3	—
<b>Liabilities</b>			
Due to individuals (contractual interest rates: 0.0% p.a. - 7.5% p.a.)	—	4.1	14.4
Due to corporate customers (contractual interest rates: 0.0% p.a. - 9.2% p.a.)	1,593.5	21.8	—
Liabilities of the disposal groups	—	5.1	—
Other liabilities	—	—	6.2
<b>Credit related commitments</b>			
Guarantees issued	62.2	1.7	—
Undrawn credit lines	58.7	10.1	—
Commitments to extend guarantees	70.6	5.4	—

As at 31 December 2021, the outstanding amount of perpetual subordinated debt received from the Ministry of Finance amounted to RR 150.0 billion (31 December 2020: RR 150.0 billion).

**39 Related Party Transactions (continued)**

As at 31 December 2020, the outstanding balances with the Government and other related parties were as follows:

<i>in billions of Russian Roubles</i>	31 December 2020		
	The Government	Associates, JVs and other related parties	Key management personnel
<b>Assets</b>			
Loans and advances to customers before credit loss allowance (contractual interest rates: 1.8% p.a. - 18.5% p.a.)	34.3	112.7	—
Securities (contractual interest rates: 1.1% p.a. - 12.8% p.a.)	3,264.5	0.8	—
Financial instruments pledged under repurchase agreements (contractual interest rate: 2.9% p.a. - 8.5% p.a.)	877.5	—	—
Other assets	0.5	0.5	—
<b>Liabilities</b>			
Due to individuals (contractual interest rates: 0.0% p.a. - 5.3% p.a.)	—	—	14.9
Due to corporate customers (contractual interest rates: 0.2% p.a. - 5.8% p.a.)	1,219.7	37.4	—
Other liabilities	—	0.8	4.4
<b>Credit related commitments</b>			
Guarantees issued	48.0	9.1	—
Undrawn credit lines	41.6	37.2	—
Commitments to extend guarantees	69.0	10.8	—

The income and expense items with the Government and other related parties for the year ended 31 December 2021 are disclosed below.

<i>in billions of Russian Roubles</i>	Year ended 31 December 2021		
	The Government	Associates, JVs and other related parties	Key management personnel
Interest income calculated using the effective interest method	271.8	6.0	—
Interest expense calculated using the effective interest method	(127.3)	(0.8)	(0.4)
Fee and commission income	1.5	0.8	—
Fee and commission expense	—	(2.1)	—
Other net income / (expense)	0.7	(0.2)	—
Staff and administrative expenses	(0.1)	(2.0)	(10.8)

**39 Related Party Transactions (continued)**

The income and expense items with the Government, the Bank of Russia and its Group, and other related parties for the year ended 31 December 2020 are disclosed below. The results of operations with the Government are disclosed for the period from April 2020. The results of operations with the Bank of Russia and its Group are included in the table below for the three months ended 31 March 2020.

<i>in billions of Russian Roubles</i>	Year ended 31 December 2020				
	The Government	Bank of Russia	Group of the Bank of Russia	Associates, JVs and other related parties	Key management personnel
Interest income calculated using the effective interest method	138.8	3.8	1.0	6.2	—
Interest expense calculated using the effective interest method	(21.9)	(8.6)	(0.2)	(0.5)	(0.8)
Fee and commission income	0.8	—	—	1.8	—
Fee and commission expense	—	(0.4)	(0.1)	(3.8)	—
Other net income / (expense)	0.1	0.1	2.4	(0.2)	—
Staff and administrative expenses	(0.1)	—	—	(1.3)	(5.6)

For the year ended 31 December 2021, regular remuneration of the members of the key management personnel comprised salaries and bonuses totaling RR 6.5 billion (for the year ended 31 December 2020: RR 3.8 billion). Payments to the key management personnel on regular remuneration for the year ended 31 December 2021 comprised RR 6.0 billion (for the year ended 31 December 2020: RR 3.8 billion).

Also, in 2015 the Bank has introduced a long term cash settled motivation programme for the key management personnel with share-based features. Please refer to Note 28 for the details.

Share-based long term compensation is payable in cash and is remeasured at each reporting date based on the forward price of the Bank's ordinary shares. For the year ended 31 December 2021 share-based long term compensation (including remeasurement of the outstanding balance to reflect changes in the price of the Bank's ordinary shares) has amounted to RR 4.3 billion (for the year ended 31 December 2020: RR 2.1 billion). Payments to the key management personnel on share-based long term compensation for the year ended 31 December 2021 comprised RR 3.0 billion (for the year ended 31 December 2020: RR 2.1 billion).

Payables on share-based long term compensation as at 31 December 2021 amounted to RR 5.0 billion (31 December 2020: RR 3.7 billion). The related obligations are included in other financial liabilities in the consolidated statement of financial position until paid.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 40 Operations with State-Controlled Entities and Government Bodies

In the normal course of business, the Group enters into contractual agreements with state-controlled entities and government bodies. The Group provides these clients with a full range of banking services including, but not limited to, lending, deposit-taking, issue of guarantees, operations with securities, cash and settlement transactions. Operations with these clients are generally carried out on market terms.

Balances with the Bank of Russia, the regional / municipal state authorities and state-controlled entities which are significant in terms of the carrying amounts as at 31 December 2021 are disclosed below:

		31 December 2021			
<i>in billions of Russian Roubles</i>		Cash and cash equivalents / Mandatory cash balances with the Bank of Russia	Loans and advances to customers / Due from banks	Due to corporate customers / Due to banks / Subordinated debt	Guarantees issued / Undrawn credit lines
Client	Sector				
Client 1	Banking	1,301.1	50.7	943.9	—
Client 2	Oil and gas	—	628.3	37.2	27.9
Client 3	Oil and gas	—	346.0	146.2	2.9
Client 4	Oil and gas	—	197.1	123.8	0.2
Client 5	Machinery	—	13.2	50.2	130.0
Client 6	Metallurgy	—	79.6	37.9	—
Client 7	Banking	—	5.0	110.6	0.1
Client 8	Energy	—	—	104.5	0.1
Client 9	Telecommunications	—	87.7	—	15.6
Client 10	Energy	—	92.6	—	0.6
Client 11	Transport and logistics	—	88.8	—	1.7
Client 12	Machinery	—	54.9	—	27.4
Client 13	Other	—	79.0	—	—
Client 14	Machinery	—	71.7	—	2.7
Client 15	Banking	—	—	68.8	—
Client 16	Machinery	—	61.3	—	4.4
Client 17	Machinery	—	35.4	23.7	0.5
Client 18	Energy	—	54.4	—	0.6
Client 19	Banking	—	15.5	38.4	0.2
Client 20	Machinery	—	3.1	19.8	28.0

As at 31 December 2021 and 31 December 2020 the balances with Client 1 represent balances with the Bank of Russia. The balances outstanding as at 31 December 2021 and 31 December 2020 with the Government and results of operations with the Government are disclosed in Note 39.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 40 Operations with State-Controlled Entities and Government Bodies (continued)

Balances with the Bank of Russia, the regional / municipal state authorities and state-controlled entities as at 31 December 2020 disclosed below contain balances of clients which are significant in terms of the carrying amounts as at 31 December 2021 (Clients 1-20), and in addition the entities with the balances which were significant as at 31 December 2020 (Clients 21-26):

		31 December 2020			
<i>in billions of Russian Roubles</i>		Cash and cash equivalents / Mandatory cash balances with the Bank of Russia	Loans and advances to customers / Due from banks	Due to corporate customers / Due to banks/ Subordinated debt	Guarantees issued/ Undrawn credit lines
Client	Sector				
Client 1	Banking	1,063.8	22.6	501.6	—
Client 2	Oil and gas	—	638.7	91.1	21.5
Client 3	Oil and gas	—	388.1	—	0.9
Client 4	Oil and gas	—	208.5	35.5	—
Client 5	Machinery	—	11.7	33.2	127.4
Client 6	Metallurgy	—	29.3	—	—
Client 7	Banking	—	0.1	20.5	—
Client 8	Energy	—	—	27.8	—
Client 9	Telecommunications	—	80.9	—	14.0
Client 10	Energy	—	79.5	—	0.2
Client 11	Transport and logistics	—	86.1	—	2.5
Client 12	Machinery	—	45.9	14.1	19.4
Client 13	Other	—	24.8	—	35.9
Client 14	Machinery	—	9.8	—	—
Client 15	Banking	—	—	34.1	—
Client 16	Machinery	—	69.1	19.9	22.4
Client 17	Machinery	—	15.3	20.8	0.1
Client 18	Energy	—	25.1	—	2.1
Client 19	Banking	—	10.5	20.4	—
Client 20	Machinery	—	6.3	14.5	32.9
Client 21	Machinery	—	96.6	21.1	33.9
Client 22	Banking	—	11.4	45.5	—
Client 23	Government and municipal bodies	—	—	49.3	—
Client 24	Government and municipal bodies	—	45.9	—	—
Client 25	Machinery	—	—	—	38.5
Client 26	Banking	—	—	36.2	—

## Notes to the Consolidated Financial Statements – 31 December 2021

### 40 Operations with State-Controlled Entities and Government Bodies (continued)

As at 31 December 2021 the Group's investments in securities issued by the Bank of Russia, regional / municipal state authorities and state-controlled corporate entities before credit loss allowance, were as follows:

<i>in billions of Russian Roubles</i>	31 December 2021			
	Corporate bonds	Corporate shares and other equity instruments	Municipal bonds	Bonds of the Bank of Russia
Securities mandatorily measured at fair value through profit or loss	91.0	41.3	15.3	—
Securities measured at amortized cost	342.6	—	165.3	—
Securities measured at fair value through other comprehensive income - debt instruments	223.7	—	2.1	—
Financial instruments pledged under repurchase agreements	28.5	1.0	109.6	—

As at 31 December 2020 the Group's investments in securities issued by the Bank of Russia, regional / municipal state authorities and state-controlled corporate entities before credit loss allowance, were as follows:

<i>in billions of Russian Roubles</i>	31 December 2020			
	Corporate bonds	Corporate shares and other equity instruments	Municipal bonds	Bonds of the Bank of Russia
Securities mandatorily measured at fair value through profit or loss	99.6	71.0	4.4	—
Securities measured at amortized cost	357.4	—	242.0	—
Securities measured at fair value through other comprehensive income - debt instruments	264.1	—	2.2	—
Financial instruments pledged under repurchase agreements	7.0	0.2	22.5	—

### 41 Principal Subsidiaries

The table below provides details on principal subsidiaries of the Bank as at 31 December 2021:

	Nature of business	Percentage of ownership	Country of registration
Sberbank Europe AG	banking	100.00%	Austria
SBER BANK OJSC	banking	98.43%	Belarus
SB Sberbank JSC	banking	100.00%	Kazakhstan
Sberbank (Switzerland) AG	banking	100.00%	Switzerland
Cetelem Bank LLC	banking	100.00%	Russia
Sberbank Leasing JSC	leasing	100.00%	Russia
Sberbank Capital LLC	finance	100.00%	Russia
SB CIB Holding LLC	finance	100.00%	Russia
Insurance company "Sberbank life insurance" LLC	finance	100.00%	Russia
Insurance company "Sberbank insurance" LLC	finance	100.00%	Russia
Sberbank Factoring LLC	finance	100.00%	Russia
Rublyovo-Arkhangelskoye JSC	construction	100.00%	Russia
Sberbank Investments LLC	finance	100.00%	Russia
YooMoney LLC	finance	100.00%	Russia
Digital Technologies LLC	digital business	100.00%	Russia
Non-state Pension Fund of Sberbank JSC	finance	100.00%	Russia

In July 2021 Non-state Pension Fund of Sberbank JSC has closed the deal on acquisition of a 100.0% share in JSC NSPF Renaissance pensions. Founded in 2002, JSC NSPF Renaissance pensions has about 200 corporate customers, including major international holding companies. Over 42,000 clients use the pension programs of JSC NSPF Renaissance pensions. The assets of JSC NSPF Renaissance pensions comprised about RR 25.0 billion.

In the first quarter of 2021 the Group, M.Video-Eldorado group and Goods.ru's founder and co-owner closed the deal on acquiring by the Group of an interest in marketplace Goods.ru. As a result of the deal, the Group's share in Goods.ru comprised 85.0%; M.Video-Eldorado group retained a 10.0% share and Goods.ru's founder and co-owner retained a 5.0% share in Goods.ru. Marketplace Goods.ru joined ecosystem of Sber under SberMegaMarket brand.

Certain of the Bank's subsidiaries have to fulfill regulatory requirements, in order to transfer funds, including paying dividends to, repaying loans to, or redeeming subordinated debts issued to the Bank.

These customary regulatory requirements include, but are not limited to:

- local regulatory capital and/or surplus adequacy requirements;
- Basel requirements under Pillar I and Pillar II;
- local regulatory approval requirements; and
- local corporate and/or securities laws.

As at 31 December 2021, the net assets of subsidiaries subject to regulatory or capital adequacy requirements were RR 551.3 billion (31 December 2020: RR 521.0 billion), before intercompany eliminations.

The share of the subsidiaries of the Bank in the consolidated assets of the Group as at 31 December 2021 was 15.6% (31 December 2020: 15.6%).

### 42 Capital Adequacy Ratio

The Group's objectives when managing capital are (i) to comply with the regulatory capital requirements set by the Bank of Russia and (ii) to safeguard the Group's ability to continue as a going concern.

According to requirements set by the Bank of Russia regulatory capital ratio N1.0 has to be maintained by the Bank above the minimum level of 8.0% (31 December 2020: 8.0%). For the purposes of regulatory capital adequacy ratios calculation the Bank applies the requirements of the Bank of Russia which were issued by the regulator to adopt in the Russian Federation the requirements of the Basel Committee for Banking Supervision known as "Basel 3.5".

The total regulatory capital of the Bank and regulatory capital adequacy ratios of the Bank as at 31 December 2021 (before adjustments for subsequent events) and 31 December 2020 are disclosed below.

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
<b>Total capital</b>	<b>5,157.6</b>	<b>4,660.6</b>
Common equity adequacy ratio N1.1, %	10.5	11.2
Tier 1 capital adequacy ratio N1.2, %	10.9	11.7
<b>Total capital adequacy ratio N1.0, %</b>	<b>14.2</b>	<b>14.5</b>

The Bank of Russia also sets the requirements to regulatory capital ratio of the Group (N20.0). As at 31 December 2021 regulatory capital ratio N20.0 including add-ons has to be maintained by the Group above the minimum level of 11.5% (31 December 2020: 11.5%). The Group complied with these requirements.

The Bank calculates capital adequacy ratios using internal ratings-based ("IRB") approach for part of certain classes of financial instruments:

- Loans to corporate customers;
- Loans to individuals;
- Debt securities;
- Derivatives;
- Credit related commitments.

The Group also monitors capital adequacy ratio on consolidated level based on requirements of Basel Committee for Banking Supervision. According to Basel Committee for Banking Supervision requirements minimum level of capital adequacy ratio is 6.0% for Tier 1 capital and 8.0% for total capital. For assessment of credit risk in calculation of capital adequacy ratio on consolidated level the Group applies IRB approach for certain part of financial instruments for which IRB approach is applied in regulatory reports.

The Group applies Basel 3.5 requirements for all assets in calculation of capital adequacy ratios on consolidated level.

Principles and methodology of IRB approach implementation for the purposes of calculation of regulatory capital adequacy ratios and capital adequacy ratios on consolidated level are aligned and reflect Russian regulatory interpretation of Basel 3.5 requirements.

### 42 Capital Adequacy Ratio (continued)

Principles and methodology of standardized approach implementation for the purposes of calculation of regulatory capital adequacy ratios and capital adequacy ratios on consolidated level are aligned in cases where Basel 3.5 requirements allow to apply such national regulatory requirements. In particular, such approach was used for the following main types of assets:

- government and municipal debt financial instruments of the Russian Federation and its subjects nominated and funded in Russian Roubles;
- specific types of loans to which higher risk weights are applied in accordance with the Bank of Russia requirements;
- correspondent accounts and mandatory cash balances with the Bank of Russia.

Additionally, such aligned approach to the calculation of risk weighted assets on credit risk for the purpose of calculation of regulatory capital adequacy ratio and capital adequacy ratio on consolidated level includes:

- application of the macroprudential adjustments to the risk coefficients for both standardized and IRB approaches;
- application by the Group members - non-residents of the macroprudential adjustments to the risk coefficients in case they are set up by their national regulators;
- application of other regulatory requirements of the Bank of Russia to risk coefficients applied;
- the element of potential credit risk on derivative financial instruments is calculated in accordance with the requirements of Basel 2;
- within the framework of the transition period commencement for equity investments in not quoted non-credit institutions the Bank applies a conservative risk weight of 150.0%.

In the second quarter of 2021 the Group received approval from the Bank of Russia to calculate the Bank's risk weighted assets on operational risk based on actual data on losses from operational risk exposures in line with the main approaches of Basel Committee for Banking Supervision in accordance with Basel 3.5. This approach is applied for operational risk calculation in relation to the Bank. To calculate operational risk in relation to subsidiaries basic approach of Basel 2 was applied. Comparative figures as at 31 December 2020 were amended accordingly.

At the same time, the Group uses the Basel 3.5 methodology based on external credit ratings for the following types of assets: cash and cash equivalents, due from banks, securities, financial instruments pledged under repurchase agreements, derivative financial instruments.

## Notes to the Consolidated Financial Statements – 31 December 2021

### 42 Capital Adequacy Ratio (continued)

The capital adequacy ratio of the Group as at 31 December 2021 and 31 December 2020 calculated in accordance with the Basel Committee for Banking Supervision requirements is disclosed below.

<i>in billions of Russian Roubles</i>	<b>31 December 2021 (new approach for operational risk)</b>	<b>31 December 2020 (new approach for operational risk)</b>	<b>31 December 2020</b>
<b>Tier 1 capital</b>			
Share capital	87.7	87.7	87.7
Share premium	232.6	232.6	232.6
Retained earnings	5,200.3	4,375.6	4,375.6
Non-controlling interest	6.4	3.2	3.2
Treasury shares	(33.3)	(14.4)	(14.4)
Other reserves	1.3	213.3	213.3
less goodwill	(52.8)	(48.8)	(48.8)
less intangible assets	(130.7)	(94.0)	(94.0)
Other deductions from capital	(49.4)	(35.3)	(35.3)
<b>Common equity Tier 1 capital</b>	<b>5,262.1</b>	<b>4,719.9</b>	<b>4,719.9</b>
Perpetual subordinated loan	150.0	150.0	150.0
<b>Tier 1 capital</b>	<b>5,412.1</b>	<b>4,869.9</b>	<b>4,869.9</b>
<b>Tier 2 capital</b>			
Eligible subordinated debt	88.7	41.7	41.7
Excess of total eligible provisions over expected loss amount under IRB approach	99.9	97.3	97.3
<b>Tier 2 capital</b>	<b>188.6</b>	<b>139.0</b>	<b>139.0</b>
<b>Total capital</b>	<b>5,600.7</b>	<b>5,008.9</b>	<b>5,008.9</b>
<b>Risk weighted assets (RWA)</b>			
Credit risk	32,688.2	29,253.9	29,253.9
Operational risk	3,185.9	2,986.3	3,664.3
Market risk	1,849.4	1,206.0	1,206.0
<b>Total risk weighted assets (RWA)</b>	<b>37,723.5</b>	<b>33,446.2</b>	<b>34,124.2</b>
<b>Common equity Tier 1 capital adequacy ratio (Common equity Tier 1 capital / Total RWA), %</b>	<b>13.9</b>	<b>14.1</b>	<b>13.8</b>
<b>Tier 1 capital adequacy ratio (Tier 1 capital / Total RWA), %</b>	<b>14.3</b>	<b>14.6</b>	<b>14.3</b>
<b>Total capital adequacy ratio (Total capital / Total RWA), %</b>	<b>14.8</b>	<b>15.0</b>	<b>14.7</b>

In the table below is disclosed the leverage ratio calculated in accordance with the Basel Committee requirements.

<i>in billions of Russian Roubles</i>	<b>31 December 2021</b>	<b>31 December 2020</b>
Tier 1 capital	5,412.1	4,869.9
Total leverage ratio exposure	43,339.5	37,807.9
<b>Leverage ratio, %</b>	<b>12.5</b>	<b>12.9</b>

The Group was in compliance with external capital requirements during the year ended 31 December 2021 and the year ended 31 December 2020.

### 43 Basis of Preparation and Significant Accounting Policies

**Basis of Preparation.** These consolidated financial statements have been prepared in accordance with International Financial Reporting Standards (“IFRS”) under the historical cost convention, as modified by the initial recognition of financial instruments based on fair value, and by the revaluation of premises and equipment, investment properties, financial instruments categorised at fair value through profit or loss (“FVPL”) and at fair value through other comprehensive income (“FVOCI”). The principal accounting policies applied in the preparation of these consolidated financial statements are set out below. These policies have been consistently applied to all the periods presented, unless otherwise stated.

**Consolidated financial statements.** Subsidiaries are those investees, including structured entities, that the Group controls because the Group (i) has power to direct relevant activities of the investees that significantly affect their returns, (ii) has exposure, or rights, to variable returns from its involvement with the investees, and (iii) has the ability to use its power over the investees to affect the amount of investor’s returns. The existence and effect of substantive rights, including substantive potential voting rights, are considered when assessing whether the Group has power over another entity. For a right to be substantive, the holder must have practical ability to exercise that right when decisions about the direction of the relevant activities of the investee need to be made. The Group may have power over an investee even when it holds less than majority of voting power in an investee. In such a case, the Group assesses the size of its voting rights relative to the size and dispersion of holdings of the other vote holders to determine if it has de-facto power over the investee. Protective rights of other investors, such as those that relate to fundamental changes of investee’s activities or apply only in exceptional circumstances, do not prevent the Group from controlling an investee. Subsidiaries are consolidated from the date on which control is transferred to the Group and are deconsolidated from the date on which control ceases.

The acquisition method of accounting is used to account for the acquisition of subsidiaries. Identifiable assets acquired and liabilities and contingent liabilities assumed in a business combination are measured at their fair values at the acquisition date, irrespective of the extent of any non-controlling interest.

The Group measures non-controlling interest that represents present ownership interest and entitles the holder to a proportionate share of net assets in the event of liquidation on a transaction by transaction basis, either at: (a) fair value, or (b) the non-controlling interest's proportionate share of net assets of the acquiree. Non-controlling interests that are not present ownership interests are measured at fair value.

Goodwill is measured by deducting the net assets of the acquiree from the aggregate of the consideration transferred for the acquiree, the amount of non-controlling interest in the acquiree and fair value of an interest in the acquiree held immediately before the acquisition date. Any negative amount (“negative goodwill”) is recognised in profit or loss, after management reassesses whether it identified all the assets acquired and all liabilities and contingent liabilities assumed, and reviews appropriateness of their measurement.

The consideration transferred for the acquiree is measured at the fair value of the assets given up, equity instruments issued and liabilities incurred or assumed, including fair value of assets or liabilities from contingent consideration arrangements, but excludes acquisition related costs such as advisory, legal, valuation and similar professional services. Transaction costs incurred for issuing equity instruments are deducted from equity; transaction costs incurred for issuing debt are deducted from its carrying amount and all other transaction costs associated with the acquisition are expensed.

Intercompany transactions, balances and unrealised gains on transactions between group companies are eliminated; unrealised losses are also eliminated unless the cost cannot be recovered. The Bank and all of its subsidiaries use uniform accounting policies consistent with the Group’s policies.

Non-controlling interest is that part of the net results and of the equity of a subsidiary attributable to interests which are not owned, directly or indirectly, by the Bank. Non-controlling interest forms a separate component of the Group’s equity.

The acquisition method of accounting is applied if the acquired entity represents a business: it has inputs and a substantive process that together significantly contribute to the ability to create outputs. This definition is also applied to early stage companies that have not yet generated outputs. When assessing whether the acquired entity is a business, the Group may apply a ‘concentration test’ whereby the acquired assets are not considered a business if substantially all of the fair value of gross assets is concentrated in a single asset or a group of similar assets.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Purchases and sales of non-controlling interests.** The Group applies the economic entity model to account for transactions with owners of non-controlling interest. Any difference between the purchase consideration and the carrying amount of non-controlling interest acquired is recorded as a capital transaction directly in equity. The Group recognises the difference between sales consideration and carrying amount of non-controlling interest sold as a capital transaction in the statement of changes in equity.

**Associates.** Associates are entities over which the Group has significant influence (directly or indirectly), but not control, generally accompanying a shareholding of between 20 and 50 percent of the voting rights. Investments in associates are accounted for using the equity method of accounting and are initially recognized at cost. The carrying amount of associates includes goodwill identified on acquisition less accumulated impairment losses, if any. Dividends received from associates reduce the carrying value of the investment in associates. Other post-acquisition changes in Group's share of net assets of an associate are recognized as follows: (i) the Group's share of profits or losses of associates is recorded in the consolidated profit or loss for the year as share of result of associates, (ii) the Group's share of other comprehensive income is recognized in other comprehensive income and presented separately, (iii) all other changes in the Group's share of the carrying value of net assets of associates are recognized in profit or loss within the share of result of associates. However, when the Group's share of losses in an associate equals or exceeds its interest in the associate, including any other unsecured receivables, the Group does not recognize further losses, unless it has incurred obligations or made payments on behalf of the associate.

The Group owns certain investments in associates through venture capital organisations, investment funds or similar subsidiary entities. In accordance with the exemption in IAS 28 *Investments in Associates and Joint Ventures*, the Group does not account for such investments using the equity method. Instead, these investments are measured at fair value through profit or loss and are classified as securities designated as at fair value through profit or loss in the consolidated statement of financial position with the change in fair value reflected within net gains/(losses) arising from securities designated as at fair value through profit or loss.

**Disposals of subsidiaries, associates or joint ventures.** When the Group ceases to have control or significant influence, any retained interest in the entity is remeasured to its fair value with the change in carrying amount recognized in profit or loss. The fair value is the initial carrying amount for the purposes of subsequently accounting for the retained interest as an associate, joint venture or financial asset. In addition, any amounts previously recognized in other comprehensive income in respect of that entity, are accounted for as if the Group had directly disposed of the related assets or liabilities. This may mean that amounts previously recognized in other comprehensive income are recycled to profit or loss.

If the ownership interest in an associate is reduced but significant influence is retained, only a proportionate share of the amounts previously recognized in other comprehensive income are reclassified to profit or loss, where appropriate.

**Financial instruments – Key measurement terms.** Depending on their classification financial instruments are carried at fair value, or amortized cost as described below.

*Fair value* is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The fair value measurement is based on the presumption that the transaction to sell the asset or transfer the liability takes place either in the principal market for the asset or liability, or in the absence of a principal market, in the most advantageous market for the asset or liability. Fair value is the current bid price for financial assets, current ask price for financial liabilities and the average of current bid and ask prices when the Group is both in short and long position for the financial instrument. A financial instrument is regarded as quoted in an active market if quoted prices are readily and regularly available from an exchange or other institution and those prices represent actual and regularly occurring market transactions on an arm's length basis. Valuation techniques are used to fair value certain financial instruments for which external market pricing information is not available. Such valuation techniques include discounted cash flows models, generally accepted option pricing models, models based on recent arm's length transactions or consideration of financial data of the investees. Valuation techniques may require assumptions not supported by observable market data. Refer to Note 36 for more information on fair values and fair value measurement used.

### 43 Basis of Preparation and Significant Accounting Policies (continued)

*Amortized cost* is the amount at which the financial instrument was measured at initial recognition less any principal repayments, plus accrued interest, and for financial assets, adjusted for any expected credit loss (“ECL”) allowance. Accrued interest includes amortization of transaction costs, fees and commissions deferred at initial recognition and of any premium or discount to maturity using the effective interest method. Accrued interest income and accrued interest expense, including both accrued coupon and amortized discount and premium (including transaction costs, fees and commissions deferred at origination, if any), are not presented separately and are included in the carrying values of the related consolidated statement of financial position items.

*Gross carrying amount of a financial asset* is the amortized cost of a financial asset before adjusting for any expected credit loss allowance.

*Transaction costs* are incremental costs that are directly attributable to the acquisition, issue or disposal of a financial instrument. An incremental cost is one that would not have been incurred if the transaction had not taken place. Transaction costs include fees and commissions paid to agents (including employees acting as selling agents), advisors, brokers and dealers, levies by regulatory agencies and securities exchanges, and transfer taxes and duties. Transaction costs do not include debt premiums or discounts, financing costs or internal administrative or holding costs.

*The effective interest method* is a method of allocating interest income or interest expense over the relevant period so as to achieve a constant periodic rate of interest (effective interest rate) on the carrying amount. The effective interest rate is the rate that exactly discounts estimated future cash payments or receipts (excluding future credit losses) through the expected life of the financial instrument to the gross carrying amount of the financial asset, or the amortized cost of the financial liability.

When calculating the effective interest rate for financial instruments other than purchased or originated credit-impaired assets, the Group estimates future cash flows considering all contractual terms of the financial instrument, but not expected credit losses. For purchased or originated credit-impaired financial assets, a credit-adjusted effective interest rate is calculated using estimated future cash flows including expected credit losses. The calculation of the effective interest rate includes transaction costs and fees and commissions paid or received that are an integral part of the effective interest rate.

**Initial recognition of financial instruments.** A financial asset or financial liability is measured initially at fair value plus, for an item not at fair value through profit or loss, transaction costs that are directly attributable to its acquisition or issue. Fair value at initial recognition is best evidenced by the transaction price. A gain or loss on initial recognition is only recorded if there is a difference between fair value and transaction price which can be evidenced by either observable current market transactions in the same instrument or by a valuation technique whose inputs include only data from observable markets.

Starting from 1 January 2020 all purchases and sales of financial assets that require delivery within the time frame established by regulation or market convention (“regular way” purchases and sales) are recorded at settlement date. Previously the Group recognized “regular way” purchases and sales at trade date. The effect of these changes for the Group’s balances and results of operations was immaterial. All other purchases and sales are recognized when the entity becomes a party to the contractual provisions of the instrument.

**Classification of financial instruments.** On initial recognition, a financial asset is classified as measured at: amortized cost, fair value through other comprehensive income (“FVOCI”) or fair value through profit or loss (“FVPL”).

A financial asset is measured at amortized cost if it meets both of the following conditions and is not designated at FVPL:

- the asset is held within a business model whose objective is to hold assets to collect contractual cash flows; and
- the contractual terms of the financial asset give right on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

A debt instrument is measured at FVOCI only if it meets both of the following conditions and is not designated at FVPL:

- the asset is held within a business model whose objective is achieved by both collecting contractual cash flows and selling financial assets; and
- the contractual terms of the financial asset give right on specified dates to cash flows that are solely payments of principal and interest on the principal amount outstanding.

On initial recognition of an equity investment that is not held for trading, the Group may irrevocably elect to present subsequent changes in fair value in OCI. This election is made on an investment-by-investment basis.

All other financial assets are classified as measured at FVPL.

In addition, on initial recognition, the Group may irrevocably designate a financial asset that otherwise meets the requirements to be measured at amortized cost or at FVOCI at FVPL if doing so eliminates or significantly reduces an accounting mismatch that would otherwise arise.

*Business model assessment.* The Group makes an assessment of the objective of a business model in which an asset is held at a portfolio level because this best reflects the way the business is managed and information is provided to management. The information considered includes:

- the stated policies and objectives for the portfolio management as well as compliance with those policies and practice. In particular, whether management's strategy focuses on earning contractual interest income, maintaining a particular interest rate profile, matching the duration of the financial assets to the duration of the liabilities that are funding those assets or realising cash flows through the sale of the assets;
- how the performance of the portfolio is evaluated and reported to the Group's management;
- the risks that affect the performance of the business model (and the financial assets held within that business model) and how those risks are managed;
- how managers of the business are compensated - e.g. whether compensation is based on the fair value of the assets managed or the contractual cash flows collected; and
- the frequency, volume and timing of sales in prior periods, the reasons for such sales and its expectations about future sales activity. However, information about sales activity is not considered in isolation, but as part of an overall assessment of how the Group's stated objective for managing the financial assets is achieved and how cash flows are realised.

Financial assets that are held for trading or managed and whose performance is evaluated on a fair value basis are measured at FVPL because they are neither held to collect contractual cash flows nor held both to collect contractual cash flows and to sell financial assets.

*Assessment whether contractual cash flows are solely payments of principal and interest.* For the purposes of this assessment, 'principal' is defined as the fair value of the financial asset on initial recognition. 'Interest' is defined as consideration for the time value of money and for the credit risk associated with the principal amount outstanding during a particular period of time and for other basic lending risks and costs (e.g. liquidity risk and administrative costs), as well as profit margin.

In assessing whether the contractual cash flows are solely payments of principal and interest, the Group considers the contractual terms of the instrument. This includes assessing whether the financial asset contains a contractual term that could change the timing or amount of contractual cash flows such that it would not meet this condition.

In making the assessment, the Group considers:

- contingent events that would change the amount and timing of cash flows;
- leverage features;
- prepayment and extension terms;
- terms that limit the Group's claim to cash flows from specified assets (e.g. non-recourse asset arrangements); and
- features that modify consideration of the time value of money - e.g. periodical reset of interest rates, which is not consistent with the interest payment period.

### 43 Basis of Preparation and Significant Accounting Policies (continued)

The Group holds portfolios of fixed rate loans for which the Group has the option to propose to revise the interest rate. These reset rights are limited to the market rate at the time of revision. The borrowers have an option to either accept the revised rate or repay the loan at par without penalty. The Group has determined that the contractual cash flows of these loans are solely payments of principal and interest because the option varies the interest rate within market interest rate corridor in a way that it always represents consideration for the time value of money, credit risk, other basic lending risks and costs associated with the principal amount outstanding.

**Reclassification of financial assets.** Financial assets are not reclassified subsequent to their initial recognition, except in the period after the Group changes its business model for managing financial assets. The reclassification has a prospective effect.

**Financial assets impairment – credit loss allowance for ECL.** The Group assesses, on a forward-looking basis, the ECL for debt instruments measured at AC and FVOCI and for the exposures arising from loan commitments and financial guarantee contracts. The Group measures ECL and recognises credit loss allowance at each reporting date. The measurement of ECL reflects: (i) an unbiased and probability weighted amount that is determined by evaluating a range of possible outcomes, (ii) time value of money and (iii) all reasonable and supportable information that is available without undue cost and effort at the end of each reporting period about past events, current conditions and forecasts of future conditions.

Debt instruments measured at AC are presented in the consolidated statement of financial position net of the allowance for ECL. For loan commitments and financial guarantees, a separate provision for ECL is recognised as a liability in the consolidated statement of financial position. For debt instruments at FVOCI, changes in amortised cost, net of allowance for ECL, are recognised in profit or loss and other changes in carrying value are recognised in OCI as gains less losses on debt instruments at FVOCI.

The Group applies a three stage model for impairment, based on changes in credit quality since initial recognition. A financial instrument that is not credit-impaired on initial recognition is classified in Stage 1. Financial assets in Stage 1 have their ECL measured at an amount equal to the portion of lifetime ECL that results from default events possible within the next 12 months or until contractual maturity, if shorter (“12 months ECL”). If the Group identifies significant increase in credit risk since initial recognition, the asset is transferred to Stage 2 and its ECL is measured based on ECL on a lifetime basis, that is, up until contractual maturity but considering expected prepayments, if any (“Lifetime ECL”). Refer to Note 33 for a description of how the Group determines when a significant increase in credit risk has occurred. If the Group determines that a financial asset is credit-impaired, the asset is transferred to Stage 3 and its ECL is measured as a Lifetime ECL. The Group’s definition of credit impaired assets and definition of default is explained in Note 33. For financial assets that are purchased or originated credit-impaired (“POCI Assets”), the ECL is always measured as a Lifetime ECL. POCI assets are financial assets that are credit-impaired upon initial recognition, such as impaired loans acquired. Note 33 provides information about inputs, assumptions and estimation techniques used in measuring ECL, including an explanation of how the Group incorporates forward-looking information in the ECL models.

**Presentation of allowance for ECL in the statement of financial position.** Loss allowances for ECL are presented in the statement of financial position as follows:

- financial assets measured at amortised cost: as a deduction from the gross carrying amount of the assets;
- loan commitments and financial guarantee contracts: generally, as a provision;
- where a financial instrument includes both a drawn and an undrawn component, and the Group cannot identify the ECL on the loan commitment component separately from those on the drawn component: the Group presents a combined loss allowance for both components. The combined amount is presented as a deduction from the gross carrying amount of the drawn component. Any excess of the loss allowance over the gross amount of the drawn component is presented as a provision; and
- debt instruments measured at FVOCI: no loss allowance is recognised in the statement of financial position because the carrying amount of these assets is their fair value. However, the loss allowance is recognised as part of fair value reserve.

**Financial assets – write-off.** Financial assets are written-off, in whole or in part, when the Group exhausted all practical recovery efforts and has concluded that there is no reasonable expectation of recovery. The write-off represents a derecognition event. The Group may write-off financial assets that are still subject to enforcement activity when the Group seeks to recover amounts that are contractually due, however, there is no reasonable expectation of recovery. Refer to Note 33 for more information about the Group’s policy on write-offs.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Derecognition of financial assets.** The Group derecognizes financial assets when (a) the assets are redeemed or the rights to cash flows from the assets otherwise expired or (b) the Group has transferred the rights to the cash flows from the financial assets or entered into a qualifying pass-through arrangement while (i) also transferring substantially all the risks and rewards of ownership of the assets or (ii) neither transferring nor retaining substantially all risks and rewards of ownership but not retaining control. Control is retained if the counterparty does not have the practical ability to sell the asset in its entirety to an unrelated third party without need to impose additional restrictions on the sale. Refer to paragraph below on treatment of renegotiations which lead to derecognition of financial assets.

**Renegotiated financial assets.** From time to time in the normal course of business the Group performs restructuring of financial assets, mostly of loans. If the terms of a financial asset are modified, the Group evaluates whether the cash flows of the modified asset are substantially different. The terms are substantially different if present value of the cash flows under the new terms discounted using the original effective interest rate, is at least 10 per cent different from the discounted present value of the remaining cash flows of the original financial asset. If the cash flows are substantially different, then the contractual rights to cash flows from the original financial asset are deemed to have expired. In this case, the original financial asset is derecognised and a new financial asset is recognized at fair value.

If the cash flows of the modified asset carried at amortised cost are not substantially different, then the modification does not result in derecognition of the financial asset. In this case, the Group recalculates the gross carrying amount of the financial asset and recognises the amount arising from adjusting the gross carrying amount as a modification gain or loss in profit or loss. If such a modification is carried out because of financial difficulties of the borrower, then the gain or loss is presented together with impairment losses. In other cases, it is presented as interest income.

**Cash and cash equivalents.** Cash and cash equivalents are items which are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value. Cash and cash equivalents include corresponding accounts, overnight interbank loans and reverse sale and repurchase agreements with original maturity up to 1 business day. Funds restricted for a period of more than 1 business day on origination are excluded from cash and cash equivalents, both in the statement of financial position and for the purposes of the statement of cash flows. Cash and cash equivalents are carried at AC because: (i) they are held for collection of contractual cash flows and those cash flows represent SPPI, and (ii) they are not designated at FVPL. Features mandated solely by legislation, such as the bail-in legislation in certain countries, do not have an impact on the SPPI test, unless they are included in contractual terms such that the feature would apply even if the legislation is subsequently changed.

The payments or receipts presented in the statement of cash flows represent transfers of cash and cash equivalents by the Group, including amounts charged or credited to current accounts of the Group's counterparties held with the Group, such as loan interest income or principal collected by charging the customer's current account or interest payments or disbursement of loans credited to the customer's current account, which represents cash or cash equivalent from the customer's perspective.

**Mandatory cash balances with central banks.** Mandatory cash balances with central banks are carried at AC and represent non-interest bearing mandatory reserve deposits, which are not available to finance the Group's day to day operations, and hence are not considered as part of cash and cash equivalents for the purposes of the consolidated statement of cash flows.

**Banking cards settlements.** Banking cards settlements are recorded when the legal right to receive the payment or legal obligation to execute payment arise under the agreement and are carried at amortized cost.

**Due from banks.** Amounts due from banks are recorded when the Group advances money to counterparty banks. Amounts due from banks are carried at AC when: (i) they are held for the purposes of collecting contractual cash flows and those cash flows represent SPPI, and (ii) they are not designated at FVPL.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Loans and advances to customers.** Loans and advances to customers captions in the statement of financial position include:

- loans and advances measured at amortised cost; they are initially measured at fair value plus incremental direct transaction costs, and subsequently at their amortised cost using the effective interest method;
- loans and advances mandatorily measured at FVPL; these are measured at fair value with changes recognised immediately in profit or loss; and
- finance lease receivables.

When the Group purchases a financial asset and simultaneously enters into an agreement to resell the asset (or a substantially similar asset) at a fixed price on a future date (reverse repo or stock borrowing), the arrangement is accounted for as a loan or advance, and the underlying asset is not recognised in the Group's financial statements.

The Group issues loans for development of residential properties which are acquired by the buyers using escrow deposits with the Group. Interest rates on these loans usually depend on the balance of escrow deposits related to the respective construction project. The Group concluded that the principal terms of these loans in general are in line with the market and these loans are to be classified as financial assets measured at amortized cost unless SPPI test is failed which requires a loan to be classified as measured at FVPL. Interest income on these loans measured at amortized cost is recognized using the effective interest method.

**Repossessed collateral.** Repossessed collateral represents financial and non-financial assets acquired by the Group in settlement of overdue loans. The assets are initially recognised at fair value when acquired and included in premises and equipment, other financial assets, investment properties or inventories within other assets depending on their nature and the Group's intention in respect of recovery of these assets, and are subsequently remeasured and accounted for in accordance with the accounting policies for these categories of assets.

Where repossessed collateral results in acquiring control over a business, the business combination is accounted for using the acquisition method of accounting with fair value of the settled loan representing the cost of acquisition (refer to the accounting policy for consolidation). Accounting policy for associates is applied to repossessed shares where the Group obtains significant influence, but not control. The cost of the associate is the fair value of the loan settled by repossessing the pledged shares.

**Investments in debt securities.** Based on the business model and the cash flow characteristics, the Group classifies investments in debt securities as carried at AC, FVOCI or FVPL. Debt securities are carried at AC if they are held for collection of contractual cash flows and where those cash flows represent SPPI, and if they are not voluntarily designated at FVPL in order to significantly reduce an accounting mismatch.

Debt securities are carried at FVOCI if they are held for collection of contractual cash flows and for selling, where those cash flows represent SPPI, and if they are not designated at FVPL. Interest income from these assets is calculated using the effective interest method and recognised in profit or loss. An impairment allowance estimated using the expected credit loss model is recognised in profit or loss for the year. All other changes in the carrying value are recognised in OCI. When the debt security is derecognised, the cumulative gain or loss previously recognised in OCI is reclassified from OCI to profit or loss.

Investments in debt securities are carried at FVPL if they do not meet the criteria for AC or FVOCI. The Group may also irrevocably designate investments in debt securities at FVPL on initial recognition if applying this option significantly reduces an accounting mismatch between financial assets and liabilities being recognised or measured on different accounting bases.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Investments in equity securities.** Financial assets that meet the definition of equity from the issuer's perspective, i.e. instruments that do not contain a contractual obligation to pay cash and that evidence a residual interest in the issuer's net assets, are considered as investments in equity securities by the Group. Investments in equity securities are measured at FVPL, except where the Group elects at initial recognition to irrevocably designate an equity investments at FVOCI. The Group's policy is to designate equity investments as FVOCI when those investments are held for strategic purposes other than solely to generate investment returns. When the FVOCI election is used, fair value gains and losses are recognised in OCI and are not subsequently reclassified to profit or loss, including on disposal. Impairment losses and their reversals, if any, are not measured separately from other changes in fair value. Dividends continue to be recognised in profit or loss when the Group's right to receive payments is established except when they represent a recovery of an investment rather than a return on such investment.

**Sale and repurchase agreements and lending of securities.** Sale and repurchase agreements ("repo agreements"), which effectively provide a lender's return to the counterparty, are treated as secured financing transactions. Securities sold under such sale and repurchase agreements are not derecognised. The securities are reclassified as repurchase receivables in the statement of financial position if the transferee has the right by contract or custom to sell or repledge the securities. The corresponding liability is presented within amounts due to other banks or other borrowed funds.

Securities purchased under agreements to resell ("reverse repo agreements"), which effectively provide a lender's return to the Group, are recorded as due from other banks or loans and advances to customers, as appropriate. The difference between the sale and repurchase price, adjusted by interest and dividend income collected by the counterparty, is treated as interest income and accrued over the life of repo agreements using the effective interest method.

Securities lent to counterparties for a fixed fee are retained in the consolidated financial statements in their original category in the consolidated statement of financial position unless the counterparty has the right by contract or custom to sell or repledge the securities, in which case they are reclassified and presented separately. Securities borrowed for a fixed fee are not recorded in the consolidated financial statements, unless these are sold to third parties, in which case the purchase and sale are recorded in profit or loss for the year. The obligation to return the securities is recorded at fair value in obligations to deliver securities.

Based on classification of securities sold under the sale and repurchase agreements, the Group classifies repurchase receivables into one of the following measurement categories: AC, FVOCI, and FVPL.

**Derivative financial instruments.** Derivative financial instruments, including forwards and futures contracts, option contracts and swap contracts are carried at their fair value. All derivative instruments are carried as assets when fair value is positive and as liabilities when fair value is negative. Changes in the fair value of foreign exchange derivative financial instruments are included in the consolidated statement of profit or loss in net results arising from trading in foreign currencies, operations with foreign currency derivatives and foreign exchange translation; changes in the fair value of derivative financial instruments on precious metals are included in net results arising from operations with precious metals, precious metals derivatives and precious metals accounts translation; changes in the fair value of derivatives on securities, interest rates and other derivatives – in net results arising from operations with other derivative financial instruments.

**Premises and equipment.** Equipment and premises other than office premises are stated at cost less accumulated depreciation. Office premises of the Group are held at revalued amount subject to revaluation to fair value on a regular basis. Increases in the carrying amount arising on revaluation are credited to other comprehensive income and increase the revaluation reserve in equity. Decreases that offset previous increases of the same asset are recognized in other comprehensive income and decrease the previously recognized revaluation reserve in equity; all other decreases are charged to profit or loss for the year. Positive revaluation shall be recognized in profit or loss to the extent that it reverses a negative revaluation of the same asset previously recognized in profit or loss. The frequency of revaluation depends upon the movements in the fair values of the premises being revalued. The revaluation reserve for office premises included in equity is reclassified directly to retained earnings on a straight-line basis as the asset is used by the Group. On the retirement or disposal of the asset the remaining revaluation reserve is immediately transferred to the retained earnings.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

Construction in progress is accounted for based on actual costs, less provision for impairment where required. Upon completion, assets are transferred to corresponding category of Premises and equipment at their carrying amount. Construction in progress is not depreciated until the asset is available for use.

Costs of minor current repairs and maintenance are expensed when incurred through consolidated statement of profit or loss. Cost of replacing major parts or components of premises and equipment items are capitalized and the replaced part is retired.

At the end of each reporting period management assesses whether there is any indication of impairment of premises and equipment. If any such indication exists, management estimates the recoverable amount, which is determined as the higher of an asset's fair value less costs to sell and its value in use. The carrying amount is reduced to the recoverable amount and the impairment loss is charged to profit or loss to the extent it exceeds the previous revaluation surplus in other comprehensive income. An impairment loss recognised for an asset in prior years is reversed if there has been a change in the estimates used to determine the asset's value in use or fair value less costs to sell.

Gains and losses on disposals determined by comparing proceeds with carrying amount are recognized in profit or loss.

**Depreciation.** Land is not depreciated. Depreciation on other items of premises and equipment is calculated using the straight-line method to allocate cost or revalued amounts of premises and equipment to their residual values over the estimated remaining useful lives. The Group applies the annual rates of depreciation based on the analysis of estimated remaining useful lives of premises and equipment which may differ significantly within one category of premises and equipment due to individual approach to evaluation of useful lives of the items.

The residual value of an asset is the estimated amount that the Group would currently obtain from disposal of the asset less the estimated costs of disposal, if the asset was already of the age and in the condition expected at the end of its useful life. The residual value of an asset is nil if the Group expects to use the asset until the end of its physical life. The assets' residual values and useful lives are reviewed and adjusted if appropriate, at each reporting date.

**Goodwill.** Goodwill represents the excess of the aggregate of consideration transferred, any non-controlling interest in the acquiree and the acquisition-date fair value of the acquirer's previously held equity interest in the acquiree over the net of the acquisition-date amounts of the identifiable assets acquired and the liabilities assumed. Goodwill on acquisitions of subsidiaries is included in other assets. Goodwill on acquisitions of associates is included as part of investment in associates. Goodwill is carried at cost less accumulated impairment losses, if any. The Group tests goodwill for impairment at least annually and whenever there are indications that goodwill may be impaired. Goodwill is allocated to the cash-generating units, or groups of cash-generating units, that are expected to benefit from the synergies of the business combination. Such units or group of units represent the lowest level at which the Group monitors goodwill and are not larger than a segment before aggregation. Gains or losses on disposal of an operation within a cash generating unit to which goodwill has been allocated include the carrying amount of goodwill associated with the operation disposed of, generally measured on the basis of the relative values of the operation disposed of and the portion of the cash-generating unit which is retained.

**Intangible assets.** The Group's intangible assets other than goodwill have definite useful life and primarily include capitalized computer software and intangible assets acquired through business combinations (e.g. customer base and brands). Acquired and recognized intangible assets are capitalized on the basis of the costs incurred to acquire and bring to use those assets. Following the initial recognition, intangible assets are carried at cost less any accumulated amortization and any accumulated impairment losses. The Group applies the annual rates of amortisation based on the analysis of estimated remaining useful lives of items of intangible assets which may differ significantly due to individual approach to evaluation of useful lives of the items. Intangible assets are amortized on a straight line basis and assessed for impairment whenever there is an indication that the intangible asset may be impaired. The accounting policy for estimation and recognition of impairment of intangible assets is the same as for the premises and equipment.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Investment property.** Investment property is property held by the Group to earn rental income or for capital appreciation and which is not occupied by the Group and not used in its primary operations.

Investment property is stated at fair value. Revaluation of investment property is held on each reporting date and recognized in consolidated statement of profit or loss as Other net operating income. Earned rental income is recorded in consolidated statement of profit or loss within other net operating income.

Subsequent expenditure on investment property is capitalized only when it is probable that additional future economic benefits associated with it will flow to the Group and the cost can be measured reliably. All other repairs and maintenance costs are expensed when incurred.

If an investment property becomes occupied by the Group, it is reclassified to the corresponding category of Premises and equipment, and its carrying value at the date of reclassification becomes its deemed cost to be subsequently measured according to the accounting policy provided for such category.

**Accounting for leases by the Group as a lessee.** The Group leases office premises and land. Leases are recognised as a right-of-use asset and a corresponding liability at the date at which the leased asset is available for use by the Group. Each lease payment is allocated between the liability and finance cost. The finance cost is charged to profit or loss over the lease period so as to produce a constant periodic rate of interest on the remaining balance of the liability for each period. The right-of-use asset is recognised at cost and depreciated over the shorter of the asset's useful life and the lease term on a straight-line basis.

Right-of-use assets are disclosed within premises, equipment and right-of-use assets line of the consolidated statement of financial position, lease liabilities are disclosed within other liabilities line of the consolidated statement of financial position. Finance cost is disclosed within interest expense calculated using the effective interest method line of the consolidated statement of profit or loss, depreciation of right-of-use assets is disclosed within staff and administrative expenses line of the consolidated statement of profit or loss. Cash outflow to settle principal amount of lease liabilities is disclosed within cash flows from financing activities of the consolidated statement of cash flows.

Assets and liabilities arising from a lease are initially measured on a present value basis. Lease liabilities include the net present value of the following lease payments:

- fixed payments (including in-substance fixed payments), less any lease incentives receivable under cancellable and non-cancellable operating leases,
- variable lease payments that are based on an index or a rate,
- amounts expected to be payable by the lessee under residual value guarantees,
- the exercise price of a purchase option if the lessee is reasonably certain to exercise that option, and
- payments of penalties for terminating the lease, if the lease term reflects the lessee exercising that option.

The lease payments are discounted using the lessee's incremental borrowing rate, being the rate that the lessee would have to pay to borrow the funds necessary to obtain an asset of similar value in a similar economic environment with similar terms and conditions.

Right-of-use assets are measured at cost comprising the following:

- the amount of the initial measurement of lease liability,
- any lease payments made at or before the commencement date less any lease incentives received,
- any initial direct costs, and
- restoration costs.

Payments associated with short-term leases and leases of low-value assets are recognized on a straight-line basis as an expense in profit or loss. Short-term leases are leases with a lease term of 12 months or less.

In determining the lease term, management of the Group considers all facts and circumstances that create an economic incentive to exercise an extension option, or not exercise a termination option. Extension options (or periods after termination options) are only included in the lease term if the lease is reasonably certain to be extended (or not terminated).

### 43 Basis of Preparation and Significant Accounting Policies (continued)

The assessment is reviewed if a significant event or a significant change in circumstances occurs which affects this assessment and that is within the control of the lessee.

**Accounting for operating leases by the Group as a lessor.** When assets are leased out under an operating lease, the lease payments receivable are recognised as rental income within Income from operating lease of equipment in the consolidated statement of profit or loss on a straight-line basis over the lease term.

**Accounting for finance leases by the Group as a lessor.** A finance lease is a lease that transfers substantially all the risks and rewards incidental to ownership of an asset. Where the Group is a lessor lease receivables are recognized at value equal to the net investment in the lease, starting from the date of commencement of the lease term. Finance income is based on a pattern reflecting a constant periodic rate of return on the net investment outstanding. Initial direct costs are included in the initial measurement of the lease receivables. The net investment in finance lease is recorded within loans and advances to customers.

**Assets and liabilities of the disposal group and non-current assets classified as held for sale.** Non-current assets and disposal groups, which may include both non-current and current assets, are disclosed separately in the statement of financial position if their carrying amount will be recovered principally through a sale transaction, including loss of control of a subsidiary holding the assets, within twelve months after the end of the reporting period. Assets are reclassified when all of the following conditions are met: (a) the assets are available for immediate sale in their present condition; (b) the Group's management approved and initiated an active programme to locate a buyer; (c) the assets are actively marketed for sale at a reasonable price; (d) the sale is expected within one year and (e) it is unlikely that significant changes to the plan to sell will be made or that the plan will be withdrawn. Non-current assets or disposal groups classified as held for sale in the current period's statement of financial position are not reclassified or re-presented in the comparative statement of financial position to reflect the classification at the end of the current period. Non-current assets held for sale and disposal groups as a whole are measured at the lower of their carrying amount and fair value less costs to sell. Held for sale premises and equipment, investment properties and intangible assets are not depreciated or amortized.

Liabilities directly associated with disposal groups that will be transferred in the disposal transaction are reclassified and presented separately in the statement of financial position.

**Discontinued operations.** A discontinued operation is a component of the Group that either has been disposed of, or that is classified as held for sale, and: (a) represents a separate major line of business or geographical area of operations; (b) is part of a single co-ordinated plan to dispose of a separate major line of business or geographical area of operations; or (c) is a subsidiary acquired exclusively with a view to resale. Earnings of discontinued operations are disclosed separately from continuing operations with comparatives being re-presented.

**Financial liabilities.** The Group classifies its financial liabilities, other than financial guarantees and loan commitments, as measured at amortized cost or FVPL.

**Financial liabilities – derecognition.** Financial liabilities are derecognised when they are extinguished (i.e. when the obligation specified in the contract is discharged, cancelled or expires).

**Financial liabilities designated at FVPL.** The Group may designate certain liabilities at FVPL at initial recognition. Gains and losses on such liabilities are presented in profit or loss except for the amount of change in the fair value that is attributable to changes in the credit risk of that liability (determined as the amount that is not attributable to changes in market conditions that give rise to market risk), which is recorded in OCI and is not subsequently reclassified to profit or loss. This is unless such a presentation would create, or enlarge, an accounting mismatch, in which case the gains and losses attributable to changes in credit risk of the liability are also presented in profit or loss.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Due to banks.** Amounts due to banks are recorded when money or other assets are advanced to the Group by counterparty banks. Amounts due to banks present non-derivative financial liabilities and are carried at amortized cost or FVPL.

**Due to individuals and corporate customers.** Amounts due to individuals and corporate customers are non-derivative financial liabilities to individuals and corporate customers (including state agencies and state-controlled companies) and are carried at amortized cost or FVPL.

Amounts due to individuals and corporate customers include promissory notes, certificates of deposit and savings certificates issued by the Group.

Amounts due to individuals include escrow deposits of buyers of residential properties under construction. The Group concluded that the principal terms of these deposits are in line with the market and they are to be classified as measured at amortized cost.

**Debt securities in issue.** Debt securities in issue include debt securities issued by the Group. Debt securities in issue except for unsecured structured notes are stated at amortized cost. Unsecured structured notes are stated at fair value. If the Group repurchases its debt securities in issue, they are removed from the consolidated statement of financial position and the difference between the carrying amount of the liability and the consideration paid is included in Other net operating income in the consolidated statement of profit or loss.

**Other borrowed funds.** Other borrowed funds represent syndicated loans attracted by the Group on financial markets, state programs targeted financing and trade finance deals. Other borrowed funds are carried at amortized cost.

**Obligation to deliver securities.** Obligation to deliver securities refers to transactions in which the Group sells securities which it does not own, and which it is obligated to deliver at a future date. Such transactions are initially recorded at cost as liabilities and then are carried at fair value. Any unrealized gain or loss is recorded in the consolidated statement of profit or loss in net gains / (losses) arising from trading securities for the difference between the proceeds from the sale and the value of the open short position. The Group realizes a gain or loss when the short position is closed. Valuation of such securities is consistent with the accounting policy of the Group for trading securities.

**Subordinated debt.** Subordinated debt represents long-term funds attracted by the Group on the international financial markets or domestic market. The holders of subordinated debt would be subordinate to all other creditors to receive repayment on debt in case of the respective Group company liquidation. Subordinated debt is carried at amortized cost.

**Income taxes.** Income taxes have been provided for in the consolidated financial statements in accordance with Russian legislation and legislation of other jurisdictions in which the Group performs business enacted or substantively enacted by the reporting date. The income tax charge comprises current tax and deferred tax and is recognized in the profit or loss except if it is recognized in other comprehensive income or equity because it relates to transactions that are also recognized, in the same or a different period, in other comprehensive income or equity.

Current tax is the amount expected to be paid to or recovered from the taxation authorities in respect of taxable profits or losses for the current and prior periods. Taxes, other than on income, are recorded within operating expenses.

Deferred income tax is recognized for tax loss carry forwards and temporary differences arising between the tax bases of assets and liabilities and their carrying amounts for financial reporting purposes. In accordance with the initial recognition exemption, deferred taxes are not recognized for temporary differences on initial recognition of goodwill or any other asset or liability if the transaction, when initially recorded, affects neither accounting nor taxable profit.

Deferred tax balances are measured at tax rates enacted or substantively enacted at the reporting date which are expected to apply to the period when the temporary differences will reverse or the tax loss carry forwards will be utilized. Deferred tax assets and liabilities are netted only within the individual companies of the Group.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

Deferred tax assets for deductible temporary differences and tax loss carry forwards are recorded in the statement of financial position only to the extent that it is probable that future taxable profit will be available against which the deductions can be utilized.

Deferred income tax is provided on post-acquisition retained earnings of subsidiaries, except where the Group controls the subsidiary's dividend policy and it is probable that the difference will not reverse through dividends or otherwise in the foreseeable future.

**Insurance and pension contracts.**

**Contracts classification.** Insurance contracts are those contracts when the Group (the insurer) has accepted significant insurance risk from another party (the policyholders) by agreeing to compensate the policyholders if a specified uncertain future event (the insured event) adversely affects the policyholders.

Investment contracts are those contracts that transfer significant financial risk and do not transfer significant insurance risk.

Once a contract has been classified as an insurance contract, it remains an insurance contract for the remainder of its lifetime, even if the insurance risk reduces significantly during this period, unless all rights and obligations are extinguished or expire. Investment contracts can, however, be reclassified as insurance contracts after inception if insurance risk becomes significant.

**Discretionary participation features (DPF).** Insurance and investment contracts are classified as ones with DPF or ones without DPF. A DPF is a contractual right that gives holders of these contracts the right to receive as a supplement to guaranteed benefits, significant additional benefits which are based on the performance of the assets held within the DPF portfolio whose amount or timing is contractually at the discretion of the Group. The Group has the discretion over the amount and timing of the distribution of these surpluses to policyholders, but not less than defined by the current legislation. All DPF liabilities including unallocated surpluses, both guaranteed and discretionary, at the end of the reporting period are held within insurance or investment contract liabilities, as appropriate.

**Description of insurance and pension contracts.** The Group issues the following types of life insurance contracts:

*Saving life insurance contracts (SLI)* are those contracts of life insurance and investment contracts with an option to receive an additional investment return.

*Investment life insurance contracts (ILI)* are those contracts of life insurance with deposit components and an option to receive an additional investment return. The Group does not account for the deposit component separately and applies the accounting policy for insurance contracts to those contracts.

The Group also provides the following services to corporate customers and individuals other than life types of insurance services: property insurance, job loss insurance, bank cards insurance and foreign travel insurance.

Both ILI and SLI contract are accounted for in line with IFRS 4 *Insurance contracts* and classified as insurance contracts with DPF or insurance contracts without DPF. All insurance contracts other than life types of insurance contracts are classified as insurance contracts and accounted for in accordance with IFRS 4 *Insurance contracts*.

Under its pension business activity the Group provides the following types of contracts:

*Obligatory pension insurance (OPI)* is the activity performed under Federal Law 167-FZ "On obligatory pension insurance in the Russian Federation" of 15 December 2001, which is designed to provide deferred pension. The Group classifies contract under OPI as insurance contracts with DPF and account for those contracts in line with IFRS 4 *Insurance contracts*.

*Non-state pension provisions (NSPP)* are the type of voluntary pension provisions with an option to receive an additional investment return. The Group classifies contracts under NSPP concluded in accordance with existing non-state pension rules either as investment or insurance contracts with DPF and accounts for those contracts in line with IFRS 4 *Insurance contracts*.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Insurance and pension contract liabilities.** Liabilities on life insurance contracts are recognized when contracts are entered into and premiums are charged. These liabilities are measured by using the net premium method. The liability is determined as the sum of the discounted value of the expected future benefits, claims handling and policy administration expenses, policyholder investment income from assets backing such liabilities, which are directly related to the contract, less the discounted value of the expected premiums that would be required to meet the future cash outflows based on the valuation assumptions used.

Liabilities on other than life insurance contracts are assessed based on the best estimate principles. The amount of liabilities is determined as weighted average future expenses of insurer, taking into account probability of their occurrence, less weighted average future income from concluded insurance contracts.

Liabilities on OPI and NSPP contracts are determined as accrued contributions less payments, increased by the amount of income received from investing operations on pension contributions. At the same time on each reporting date liabilities adequacy test is performed.

**Investment contract liabilities.** Investment contracts are classified as contracts with and without DPF. The accounting policies for investment contract liabilities with DPF are the same as those for life insurance contract liabilities.

Liability is terminated if contract is expired, the contract is either settled or cancelled. Contract carrying value which can be cancelled by policyholder cannot be less than the amount payable to the policyholder in the case of the contract's termination.

**Insurance and pension contract liabilities adequacy test.** At each reporting date, an assessment is made of whether the recognized insurance and pension liabilities are adequate. The liability value is adjusted to the extent that it is insufficient to meet expected future benefits and expenses. In performing the adequacy test, current best estimates of future contractual discounted cash flows are used. Any inadequacy is recorded in the consolidated statement of comprehensive income by establishing an additional liability for the remaining loss.

**Gross premiums.** Gross recurring premiums on insurance and investment contracts with DPF are recognized as revenue when payable by the policyholder. For single premium business, revenue is recognized on the date on which the policy is effective.

Premiums under other than life insurance contracts are recorded as written upon inception of a contract and are earned on a pro-rata basis over the term of the related contract coverage.

Pension contributions are recognized upon inception of the contract. In accordance with the requirements of in-force pension schemes liability is recognized at the moment of receipt of initial pension contribution from the Pension Fund of the Russian Federation, other non-state pension funds or depositor. Subsequent contributions are recognized in those periods when they are paid by the insured person or depositor under the conditions of the contract.

**Gross benefits and claims paid** for all insurance contracts and for investment contracts with DPF include the cost of all claims arising during the year and policyholder bonuses declared on DPF contracts. Changes in the gross valuation of insurance and investment contract liabilities with DPF are also included. Death claims and surrenders are recorded on the basis of notifications received. Maturities and annuity payments are recorded when due.

**Provision for liabilities and charges.** Provisions for liabilities and charges are non-financial liabilities of uncertain timing or amount. They are accrued when the Group has a present legal or constructive obligation as a result of past events, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation, and a reliable estimate of the amount of the obligation can be made.

### 43 Basis of Preparation and Significant Accounting Policies (continued)

**Loan commitments.** The Group issues commitments to provide loans. These commitments are irrevocable or revocable only in response to a material adverse change. Such commitments are initially recognised at their fair value, which is normally evidenced by the amount of fees received. This amount is amortised on a straight line basis over the life of the commitment, except for commitments to originate loans if it is probable that the Group will enter into a specific lending arrangement and does not expect to sell the resulting loan shortly after origination; such loan commitment fees are deferred and included in the carrying value of the loan on initial recognition. At the end of each reporting period, the commitments are measured at (i) the remaining unamortised balance of the amount at initial recognition, plus (ii) the amount of the loss allowance determined based on the expected credit loss model, unless the commitment is to provide a loan at a below market interest rate, in which case the measurement is at the higher of these two amounts. The carrying amount of the loan commitments represents a liability. For contracts that include both a loan and an undrawn commitment and where the Group cannot separately distinguish the ECL on the undrawn loan component from the loan component, the ECL on the undrawn commitment is recognised together with the loss allowance for the loan. To the extent that the combined ECLs exceed the gross carrying amount of the loan, they are recognised as a liability.

**Financial guarantees.** Financial guarantees require the Group to make specified payments to reimburse the holder of the guarantee for a loss it incurs because a specified debtor fails to make payment when due in accordance with the original or modified terms of a debt instrument. Financial guarantees are initially recognised at their fair value, which is normally evidenced by the amount of fees received. This amount is amortised on a straight line basis over the life of the guarantee. At the end of each reporting period, the guarantees are measured at the higher of (i) the amount of the loss allowance for the guaranteed exposure determined based on the expected loss model and (ii) the remaining unamortised balance of the amount at initial recognition. In addition, an ECL loss allowance is recognised for fees receivable that are recognised in the statement of financial position as an asset.

**Performance guarantees.** Performance guarantees are contracts that provide compensation if another party fails to perform a contractual obligation. Such contracts transfer non-financial performance risk in addition to credit risk. Performance guarantees are initially recognised at their fair value, which is normally evidenced by the amount of fees received. This amount is amortised on a straight line basis over the life of the contract. At the end of each reporting period, the performance guarantee contracts are measured at the higher of (i) the unamortised balance of the amount at initial recognition and (ii) the amount of the loss allowance for the guaranteed exposure determined based on the expected loss model. Where the Group has the contractual right to revert to its customer for recovering amounts paid to settle the performance guarantee contracts, such amounts will be recognised as an asset upon transfer of the loss compensation to the guarantee's beneficiary. These fees are recognised within fee and commission income in profit or loss.

**Trade and other payables.** Trade and other payables are accrued when the counterparty performed its obligations under the contract and are carried at amortized cost.

**Share premium.** Share premium represents the excess of equity contributions over the nominal value of the shares issued.

**Preference shares.** Preference shares are not redeemable. Dividend payments are at the discretion of the Bank. When a dividend is paid, the preference shares attract a minimum payment of annual dividends of 15% of their nominal value, subject to confirmation of the annual shareholders' meeting. Preference shares are classified as a part of equity.

**Perpetual subordinated loan.** The Group classifies perpetual subordinated loan as equity financial instrument based on its contractual substance. Interest payments on such loans are recognised as distributions from equity when paid or committed. The tax benefits of distributions are recognised in profit or loss because they are linked more directly to past transactions or events that generated distributable profits than to the distributions to owners.

**Treasury shares.** Where the Bank or its subsidiaries purchase the Bank's equity instruments, the consideration paid including any attributable incremental external costs is deducted from equity until they are cancelled or disposed of. When such shares are subsequently disposed or reissued, any consideration received is included in equity.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Dividends.** Dividends are recorded in equity in the period in which they are declared. Dividends declared after the reporting date and before the consolidated financial statements are authorized for issue are disclosed in the subsequent events note. Dividends are calculated based on the Group IFRS net profit and distributed out from the Bank statutory net results.

**Equity-settled share-based programme for employees.** The expense is recognized over the vesting period and is measured at the fair value of the award determined at the grant date, which is amortized over the service (vesting) period. The fair value of the equity award is estimated only once at the grant date and is trued up to the estimated number of instruments that are expected to vest. Dividends declared during the vesting period accrue and are paid to the employee together with the sale proceeds of the vested shares upon a liquidity event. Expected dividends (including those expected during the vesting period) are therefore included in the determination of fair value of the share-based payment to employees.

**Cash-settled share-based programme for employees.** The expense is recognized gradually over the vesting period and is measured based on the fair value of the liability at each end of the reporting period. The fair value of the liability reflects all vesting conditions, except for the requirement of the employee to stay in service which is reflected through the amortization schedule. The liability is measured, initially and at the end of each reporting period until settled, based on the fair value, taking into account the terms and conditions on which the instruments were granted and the extent to which the employees have rendered service to date.

**Interest income and expense calculated using effective interest method recognition.** Interest income and expense are recorded for debt instruments measured at amortized cost or at FVOCI on an accrual basis using the effective interest method. This method defers, as part of interest income or expense, all fees paid or received between the parties to the contract that are an integral part of the effective interest rate, transaction costs and all other premiums or discounts.

Fees integral to the effective interest rate include origination fees received or paid by the entity relating to the creation or acquisition of a financial asset or issuance of a financial liability, for example fees for evaluating creditworthiness, evaluating and recording guarantees or collateral, negotiating the terms of the instrument and for processing transaction documents. Commitment fees received by the Group to originate loans at market interest rates are integral to the effective interest rate if it is probable that the Group will enter into a specific lending arrangement and does not expect to sell the resulting loan shortly after origination. The Group does not designate loan commitments as financial liabilities at FVPL.

For financial assets that are originated or purchased credit-impaired, the effective interest rate is the rate that discounts the expected cash flows (including the initial expected credit losses) to the fair value on initial recognition (normally represented by the purchase price). As a result, the effective interest is credit-adjusted.

Interest income is calculated by applying the effective interest rate to the gross carrying amount of financial assets, except for:

- Financial assets that have become credit-impaired (Stage 3), for which interest revenue is calculated by applying the effective interest rate to their amortized cost (net of the expected credit loss (“ECL”) provision); and
- Financial assets that are purchased or originated credit-impaired, for which the original credit-adjusted effective interest rate is applied to the amortized cost.

**Other interest income and expense.** Other interest income and expense represents interest income and expense recorded for debt instruments measured at FVPL and is recognised on an accrual basis using nominal interest rate. This line also contains the effect of amortization of premium / discount between the initial cost and the nominal amount of the instrument.

**43 Basis of Preparation and Significant Accounting Policies (continued)**

**Fee and commission income and expense.** Fees, commissions and other income and expense items (excluding those included in calculation of effective interest rate) are generally recorded on an accrual basis over the period in which the services are rendered as the customer simultaneously receives and consumes the benefits as the Group performs, usually on a straight-line basis.

Loan syndication fees are recognised as income when the syndication has been completed and the Group retains no part of the loan package for itself, or retains a part at the same effective interest rate as for the other participants.

Commissions and fees arising from negotiating, or participating in the negotiation of a transaction for a third party, such as the acquisition of loans, shares or other securities or the purchase or sale of businesses, and which are earned when the Group satisfies the performance obligation are recorded upon the completion of the transaction. Portfolio and other management advisory and service fees are recognised based on the applicable service contracts, over the period in which the services are rendered as the customer simultaneously receives and consumes the benefits as the Group performs, usually on a straight-line basis. Asset management fees relating to investment funds are recognised over the period in which services are rendered as the customer simultaneously receives and consumes the benefits as the Group performs, usually on a straight-line basis. The same principle is applied for wealth management, financial planning and custody services that are continually provided over an extended period of time.

**Customer loyalty program.** The Group operates a loyalty program where retail clients accumulate points, which entitle them to discounts on future services. Revenue from the award points is recognised when the points are redeemed or when they expire after the initial transaction. The amount of revenue is estimated based on the number of points redeemed relative to the total number expected to be redeemed. A contract liability is recognised for the amount of fair value of points expected to be redeemed until they are actually redeemed or expire.

**Foreign currency translation.** The functional currency of each of the Group's consolidated entities is the currency of the primary economic environment in which the entity operates. The Bank's functional currency and the Group's presentation currency is the national currency of the Russian Federation, Russian Rouble ("RR").

Monetary assets and liabilities are translated into each entity's functional currency at the applicable exchange rate at the respective reporting dates. Foreign exchange gains and losses resulting from the settlement of the transactions performed by the companies of the Group and from the translation of monetary assets and liabilities into each entity's functional currency are recognized in profit or loss. Effects of exchange rate changes on the fair value of equity instruments are recorded as part of the fair value gain or loss.

The results and financial position of each group entity (except for the subsidiary bank in Belarus the economy of which was considered hyperinflationary before 2015) are translated into the presentation currency as follows:

- (I) assets and liabilities for each statement of financial position presented are translated at the applicable closing rate at the respective reporting date;
- (II) income and expenses for each statement of profit or loss and statement of other comprehensive income are translated either at the rates prevailing at the dates of the transactions or at average exchange rates (in case this average is a reasonable approximation of the cumulative effect of the rates prevailing on the transaction dates).

The results and financial position of an entity whose functional currency is the currency of a hyperinflationary economy shall be translated into a different presentation currency using the following procedure: all amounts (i.e. assets, liabilities, equity items, income and expenses, including comparatives) shall be translated at the closing rate at the date of the most recent statement of financial position.

When amounts are translated into the currency of a non-hyperinflationary economy, comparative amounts shall be those that were presented as current year amounts in the relevant prior year financial statements (i.e. not adjusted for subsequent changes in the price level or subsequent changes in exchange rates).

Exchange differences arising on the translation of results and financial position of each of the Group's consolidated entities are included in Exchange differences on translating foreign operations in other comprehensive income and taken to a separate component of equity - Foreign currency translation reserve.

### 43 Basis of Preparation and Significant Accounting Policies (continued)

At 31 December 2021 principal rates of exchange used for translating foreign currency monetary balances and each entity's functional currency into the Group's presentation currency were as follows:

	/RR	/UAH	/BYN	/KZT	/EUR	/CHF
RR/	1.000	0.367	0.034	5.917	0.012	0.012
USD/	74.293	27.255	2.549	439.601	0.884	0.918
EUR/	84.070	30.842	2.884	497.453	1.000	1.039

At 31 December 2020 the principal rates of exchange used for translating foreign currency monetary balances and each entity's functional currency into the Group's presentation currency were as follows:

	/RR	/UAH	/BYN	/KZT	/EUR	/CHF
RR/	1.000	0.382	0.035	5.699	0.011	0.012
USD/	73.876	28.225	2.583	420.990	0.815	0.885
EUR/	90.682	34.646	3.171	516.765	1.000	1.086

**Assets under management.** The Group has set up mutual investment funds and acts as the manager of their assets. The assets of these funds do not represent assets of the Group and therefore are not reported on the consolidated statement of financial position. The management fee income is recorded in the consolidated statement of profit or loss within fee and commission income.

**Contingent assets.** Contingent assets are assets that could arise from past events and their existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Group. Contingent assets are not recognized by the Group in its consolidated statement of financial position, but disclosed in the notes to the consolidated financial statements if inflow of economic benefits is highly probable.

**Offsetting.** Financial assets and liabilities are offset and the net amount reported in the consolidated statement of financial position only when there is a legally enforceable right to offset the recognized amounts, and there is an intention to either settle on a net basis, or to realize the asset and settle the liability simultaneously. Such a right of set off (a) must not be contingent on a future event and (b) must be legally enforceable in all of the following circumstances: (i) in the normal course of business, (ii) the event of default and (iii) the event of insolvency or bankruptcy.

**Earnings per share.** Preference shares are not redeemable and are not considered to be participating shares. Earnings per share are determined by dividing the profit or loss attributable to ordinary equity holders of the Bank by the weighted average number of ordinary shares outstanding during the reporting period, excluding treasury shares.

**Staff costs and related contributions.** Wages, salaries, contributions to the Russian Federation state pension and social insurance funds, paid annual leave and sick leave, pensions, bonuses, and non-monetary benefits are accrued in the year in which the associated services are rendered by the employees of the Group.

**Segment reporting.** The Group determined its operating segments on the basis of organizational structure of the Group and geographical areas. Segments whose revenue, result or assets are 10% or more of all the segments are reported separately.

**Presentation of statement of financial position in order of liquidity.** The Group does not have a clearly identifiable operating cycle and therefore does not present current and non-current assets and liabilities separately in the consolidated statement of financial position. Instead, assets and liabilities are presented in order of their liquidity in accordance with best banking industry practices. Analysis of assets and liabilities by their expected maturities is presented in Note 33.

#### 44 New Accounting Pronouncements

Certain new standards and interpretations have been issued that are mandatory for the annual periods beginning on or after 1 January 2022 or later, and which the Group has not early adopted.

**IFRS 17 “Insurance Contracts” (issued on 18 May 2017 and effective for annual periods beginning on or after 1 January 2023).** IFRS 17 replaces IFRS 4, which has given companies dispensation to carry on accounting for insurance contracts using existing practices. As a consequence, it was difficult for investors to compare and contrast the financial performance of otherwise similar insurance companies. IFRS 17 is a single principle-based standard to account for all types of insurance contracts, including reinsurance contracts that an insurer holds. The standard requires recognition and measurement of groups of insurance contracts at: (i) a risk-adjusted present value of the future cash flows (the fulfilment cash flows) that incorporates all of the available information about the fulfilment cash flows in a way that is consistent with observable market information; plus (if this value is a liability) or minus (if this value is an asset) (ii) an amount representing the unearned profit in the group of contracts (the contractual service margin). Insurers will be recognising the profit from a group of insurance contracts over the period they provide insurance coverage, and as they are released from risk. If a group of contracts is or becomes loss-making, an entity will be recognising the loss immediately. The Management is currently assessing the impact on the Group.

**Amendments to IFRS 17 and an amendment to IFRS 4 (issued on 25 June 2020 and effective for annual periods beginning on or after 1 January 2023).** The amendments include a number of clarifications intended to ease implementation of IFRS 17, simplify some requirements of the standard and transition. The amendments relate to eight areas of IFRS 17, and they are not intended to change the fundamental principles of the standard.

**Sale or Contribution of Assets between an Investor and its Associate or Joint Venture – Amendments to IFRS 10 and IAS 28 (issued on 11 September 2014 and effective for annual periods beginning on or after a date to be determined by the IASB).** These amendments address an inconsistency between the requirements in IFRS 10 and those in IAS 28 in dealing with the sale or contribution of assets between an investor and its associate or joint venture. The main consequence of the amendments is that a full gain or loss is recognised when a transaction involves a business. A partial gain or loss is recognised when a transaction involves assets that do not constitute a business, even if these assets are held by a subsidiary.

**Classification of liabilities as current or non-current – Amendments to IAS 1 (issued on 23 January 2020 and 15 July 2020 and effective for annual periods beginning on or after 1 January 2023).** These narrow scope amendments clarify that liabilities are classified as either current or non-current, depending on the rights that exist at the end of the reporting period. Liabilities are non-current if the entity has a substantive right, at the end of the reporting period, to defer settlement for at least twelve months. The guidance no longer requires such a right to be unconditional. Management’s expectations whether they will subsequently exercise the right to defer settlement do not affect classification of liabilities. The right to defer only exists if the entity complies with any relevant conditions as of the end of the reporting period. A liability is classified as current if a condition is breached at or before the reporting date even if a waiver of that condition is obtained from the lender after the end of the reporting period. Conversely, a loan is classified as non-current if a loan covenant is breached only after the reporting date. In addition, the amendments include clarifying the classification requirements for debt a company might settle by converting it into equity. ‘Settlement’ is defined as the extinguishment of a liability with cash, other resources embodying economic benefits or an entity’s own equity instruments. There is an exception for convertible instruments that might be converted into equity, but only for those instruments where the conversion option is classified as an equity instrument as a separate component of a compound financial instrument.

**44 New Accounting Pronouncements (continued)**

***Proceeds before intended use, Onerous contracts – cost of fulfilling a contract, Reference to the Conceptual Framework – narrow scope amendments to IAS 16, IAS 37 and IFRS 3, and Annual Improvements to IFRSs 2018-2020 – amendments to IFRS 1, IFRS 9, IFRS 16 and IAS 41 (issued on 14 May 2020 and effective for annual periods beginning on or after 1 January 2022).***

***Amendments to IAS 1 and IFRS Practice Statement 2: Disclosure of Accounting policies (issued on 12 February 2021 and effective for annual periods beginning on or after 1 January 2023).*** IAS 1 was amended to require companies to disclose their material accounting policy information rather than their significant accounting policies. The amendment provided the definition of material accounting policy information. The amendment also clarified that accounting policy information is expected to be material if, without it, the users of the financial statements would be unable to understand other material information in the financial statements. The amendment provided illustrative examples of accounting policy information that is likely to be considered material to the entity's financial statements. Further, the amendment to IAS 1 clarified that immaterial accounting policy information need not be disclosed. However, if it is disclosed, it should not obscure material accounting policy information. To support this amendment, IFRS Practice Statement 2, 'Making Materiality Judgements' was also amended to provide guidance on how to apply the concept of materiality to accounting policy disclosures.

***Amendments to IAS 8: Definition of Accounting Estimates (issued on 12 February 2021 and effective for annual periods beginning on or after 1 January 2023).*** The amendment to IAS 8 clarified how companies should distinguish changes in accounting policies from changes in accounting estimates.

***Deferred tax related to assets and liabilities arising from a single transaction – Amendments to IAS 12 (issued on 7 May 2021 and effective for annual periods beginning on or after 1 January 2023).*** The amendments to IAS 12 specify how to account for deferred tax on transactions such as leases and decommissioning obligations. In specified circumstances, entities are exempt from recognising deferred tax when they recognise assets or liabilities for the first time. Previously, there had been some uncertainty about whether the exemption applied to transactions such as leases and decommissioning obligations – transactions for which both an asset and a liability are recognised. The amendments clarify that the exemption does not apply and that entities are required to recognise deferred tax on such transactions. The amendments require companies to recognise deferred tax on transactions that, on initial recognition, give rise to equal amounts of taxable and deductible temporary differences.

***Transition option to insurers applying IFRS 17 – Amendments to IFRS 17 (issued on 9 December 2021 and effective for annual periods beginning on or after 1 January 2023).*** The amendment to the transition requirements in IFRS 17 provides insurers with an option aimed at improving the usefulness of information to investors on initial application of IFRS 17. The amendment relates to insurers' transition to IFRS 17 only and does not affect any other requirements in IFRS 17. The transition requirements in IFRS 17 and IFRS 9 apply at different dates and will result in the following one-time classification differences in the comparative information presented on initial application of IFRS 17: accounting mismatches between insurance contract liabilities measured at current value and any related financial assets measured at amortised cost; and if an entity chooses to restate comparative information for IFRS 9, classification differences between financial assets derecognised in the comparative period (to which IFRS 9 will not apply) and other financial assets (to which IFRS 9 will apply). The amendment will help insurers to avoid these temporary accounting mismatches and, therefore, will improve the usefulness of comparative information for investors. It does this by providing insurers with an option for the presentation of comparative information about financial assets. When initially applying IFRS 17, entities would, for the purpose of presenting comparative information, be permitted to apply a classification overlay to a financial asset for which the entity does not restate IFRS 9 comparative information. The transition option would be available, on an instrument-by-instrument basis; allow an entity to present comparative information as if the classification and measurement requirements of IFRS 9 had been applied to that financial asset, but not require an entity to apply the impairment requirements of IFRS 9; and require an entity that applies the classification overlay to a financial asset to use reasonable and supportable information available at the transition date to determine how the entity expects that financial asset to be classified applying IFRS 9.

The Group is considering the implications of the above standards and amendments, the impact on the Group and the timing of their adoption by the Group unless otherwise stated.

**45 Subsequent Events**

In February 2022 the Group repaid in full Series 9 issue, attracted under MTN programme of Sberbank, with a nominal value of USD 1,500 million and a contractual interest rate of 6.1% p.a.

In February 2022 the Group repaid in full two issues of stock exchange bonds issued on the local market with a nominal amount of RR 50.0 billion and RR 12.0 billion and contractual interest rates of 7.6% p.a. and 8.45% p.a. correspondingly.

In February 2022 the Group closed the deal on disposal of a 25.0% share in Vision Labs.

In February 2022 economic situation in the Russian Federation was negatively affected by escalated military and political conflict related to Ukraine and the associated international sanctions against a number of Russian institutions, companies, banks and individuals. The announced sanctions, among other things, provide for a partial freezing of foreign currency reserves managed by the Bank of Russia, restrictions of access to European capital markets for the Ministry of Finance of the Russian Federation and the Bank of Russia, restrictions for Russian Federation residents on investing in instruments nominated in Euro and a number of other restrictive measures. These factors led to a substantial growth of instability on financial markets, sharp changes in prices for financial instruments, increase in spreads of trade operations, decrease of the Russian Federation's sovereign ratings. To reduce foreign currency exchange rates volatility, the Bank of Russia increased the key rate to 20.0% p.a., introduced the mandatory sale of foreign exchange revenues, and took a number of other measures. Also, restrictions on exit from Russian assets by foreign investors were imposed.

To support the Russian financial sector on the back of increased volatility, the Bank of Russia (1) allowed financial institutions to use market value of securities and foreign currency exchange rates as at 18 February 2022 for reporting purposes as well as easing of current liquidity ratios for systemically important banks and brokers, (2) cancelled limitations related to full cost of retail loans for banks, (3) announced readiness to provide further necessary support to Russian financial sector.

At the end of February 2022 the USA imposed sanctions on the Group which include, in addition to previous sanctions, a ban for the US financial institutions to conduct settlement transactions with the Group since 26 March 2022 except for certain categories. As a result of the recent events, the European subsidiary banks of the Group faced a liquidity stress, which resulted in the Group losing control over these banks. As at 31 December 2021 net assets of European subsidiary banks of the Group did not exceed 1.3% of total net assets of the Group.

As at the date of signing of these consolidated financial statements the Group was in compliance with all the ratios of the Bank of Russia including capital adequacy ratios and liquidity ratios. The Group has all the necessary financial and technological capabilities to continue uninterrupted operations and to carry out all major operations in Russia.

The events mentioned above require the Group's business to adapt to a changing operating environment characterized by high level of uncertainty and having a significant impact on the Group and its operations. The actual future operating environment and its impact on the Group and its operations can differ from the current expectations of the Management. The Management of the Group is currently assessing the possible impact of the events mentioned above and taking all the necessary measures to ensure the sustainability of the Group's operations.