

Annex of tables

Annex of tables

International financial market indicators	Table
<i>Short-term interest rates</i>	A1
<i>Long-term interest rates</i>	A2
<i>Stock indices</i>	A3
<i>Corporate bond spreads</i>	A4
Financial indicators of the Austrian corporate and household sectors	
<i>Financial investment of households</i>	A5
<i>Household income and savings</i>	A6
<i>Financing of nonfinancial corporations</i>	A7
<i>Insolvency indicators</i>	A8
<i>Housing market indicators</i>	A9
Austrian financial intermediaries	
<i>Structural indicators</i>	A10
<i>Total assets</i>	A11
<i>Sectoral distribution of loans to domestic nonbanks</i>	A12
<i>Loan quality</i>	A13
<i>Exposure to CESEE</i>	A14
<i>Profitability on a consolidated basis</i>	A15
<i>Profitability of Austrian banks' CESEE subsidiaries</i>	A16
<i>Solvency</i>	A17
<i>Market indicators of selected Austrian financial instruments</i>	A18
<i>Key indicators of Austrian insurance companies</i>	A19
<i>Assets held by Austrian mutual funds</i>	A20
<i>Structure and profitability of Austrian fund management companies</i>	A21
<i>Assets held by Austrian pension funds</i>	A22
<i>Assets held by Austrian severance funds</i>	A23
<i>Transactions and system disturbances in payment and securities settlement systems</i>	A24

Cutoff date for data: June 12, 2019

Conventions used:

× = no data can be indicated for technical reasons.

.. = data not available at the reporting date.

Revisions of data published in earlier volumes are not indicated.

Discrepancies may arise from rounding.

International financial market indicators

Table A1

Short-term interest rates¹

	2011	2012	2013	2014	2015	2016	2017	2018
<i>Three-month rates, period average, %</i>								
Euro area	1.39	0.57	0.22	0.21	-0.02	-0.26	-0.33	-0.32
U.S.A.	0.34	0.43	0.27	0.23	0.32	0.74	1.26	2.31
Japan	0.34	0.33	0.24	0.21	0.17	0.08	0.06	0.07
United Kingdom	0.87	0.83	0.51	0.54	0.57	0.50	0.36	0.72
Switzerland	0.12	0.07	0.02	0.01	-0.75	-0.75	-0.73	-0.73
Czech Republic	1.19	1.00	0.46	0.36	0.31	0.29	0.41	1.27
Hungary	6.19	6.98	4.31	2.41	1.61	0.99	0.14	0.12
Poland	4.54	4.91	3.02	2.52	1.75	1.70	1.73	1.71

Source: Bloomberg, Eurostat, Macrobond.

¹ Average rate at which a prime bank is willing to lend funds to another prime bank for three months.

Table A2

Long-term interest rates¹

	2011	2012	2013	2014	2015	2016	2017	2018
<i>Ten-year rates, period average, %</i>								
Euro area	4.31	3.05	3.01	2.28	1.27	0.93	1.17	1.27
U.S.A.	2.89	1.80	2.35	2.54	2.14	1.84	2.33	2.91
Japan	1.13	0.84	0.70	0.54	0.35	-0.06	0.05	0.07
United Kingdom	2.87	1.74	2.03	2.14	1.79	1.22	1.18	1.41
Switzerland	1.47	0.66	0.94	0.73	-0.06	-0.35	-0.08	0.04
Austria	3.32	2.37	2.01	1.49	0.75	0.38	0.58	0.69
Czech Republic	3.71	2.78	2.11	1.58	0.58	0.43	0.98	1.98
Hungary	7.64	7.89	5.92	4.81	3.43	3.14	2.96	3.06
Poland	5.96	5.00	4.03	3.52	2.70	3.04	3.42	3.20

Source: ECB, Eurostat, Macrobond.

¹ Yields of long-term government bonds.

Table A3

Stock indices

	2011	2012	2013	2014	2015	2016	2017	2018
<i>Annual change in %, period average</i>								
Euro area: EURO STOXX	-3.60	-6.36	17.53	13.07	11.76	-9.67	17.16	-0.48
U.S.A.: S&P 500	11.20	8.81	19.17	17.49	6.71	1.63	16.92	12.13
Japan: Nikkei 225	-5.81	-3.43	49.20	13.84	24.21	-11.90	19.41	10.44
United Kingdom: FTSE100	3.90	1.09	12.69	3.23	-1.38	-1.74	13.96	-0.21
Switzerland: SMI	-6.96	4.88	24.14	9.28	4.23	-10.12	10.91	-0.16
Austria: ATX	-3.69	-14.79	16.94	-2.36	1.28	-5.42	34.83	7.56
Czech Republic: PX 50	-5.11	-14.56	2.53	1.62	0.81	-11.49	14.29	7.88
Hungary: BUX	-8.67	-12.01	3.26	-3.89	17.28	28.94	31.55	5.55
Poland: WIG	4.36	-6.65	16.05	8.07	-0.31	-9.83	30.01	-2.67

Source: Macrobond.

Table A4

Corporate bond spreads¹

	2011	2012	2013	2014	2015	2016	2017	2018
<i>Percentage points, period average</i>								
Euro area								
AA	2.13	1.67	0.89	0.59	0.72	0.80	0.74	0.69
BBB	3.98	3.75	2.25	1.71	1.89	2.11	1.71	1.77
U.S.A.								
AA	1.68	1.50	1.12	0.88	1.04	0.93	0.74	0.76
BBB	2.34	2.59	2.17	1.76	2.13	2.21	1.54	1.59

Source: Macrobond.

¹ Spreads of seven- to ten-year corporate bonds against ten-year government bonds (euro area: German government bonds).**Financial indicators of the Austrian corporate and household sectors**

Table A5

Financial investment of households¹

	2011	2012	2013	2014	2015	2016	2017	2018
<i>EUR billion, four-quarter moving sum</i>								
Currency	1.1	0.6	1.2	0.9	0.7	0.6	0.6	0.8
Deposits	4.6	3.8	1.9	3.2	6.5	10.4	8.5	11.2
Debt securities ²	1.8	0.2	-1.8	-4.2	-3.5	-2.7	-2.7	-1.8
Shares and other equity ³	0.8	1.1	-0.1	1.9	-0.3	1.1	-0.4	0.4
Mutual fund shares	-1.4	0.9	2.7	3.5	4.1	3.1	3.8	2.2
Insurance technical reserves	2.9	3.7	3.4	3.3	1.3	1.1	0.2	-0.2
Other accounts receivable	0.2	0.0	0.0	1.7	1.1	-0.9	1.4	0.8
Total financial investment	10.0	10.3	7.3	10.3	9.9	12.7	11.4	13.4

Source: OeNB (financial accounts).

¹ Including nonprofit institutions serving households.² Including financial derivatives.³ Other than mutual fund shares.

Table A6

Household¹ income and savings

	2011	2012	2013	2014	2015	2016	2017	2018
<i>EUR billion, four-quarter moving sum</i>								
Net disposable income	178.3	185.4	185.6	190.7	193.2	200.6	205.1	214.3
Savings	14.2	16.6	13.3	14.0	13.1	15.7	14.1	15.9
Saving ratio in % ²	7.9	8.9	7.1	7.3	6.8	7.8	6.8	7.4

Source: Statistics Austria (national accounts broken down by sectors).

¹ Including nonprofit institutions serving households.² Saving ratio = savings / (disposable income + increase in accrued occupational pension benefits).

Table A7

Financing of nonfinancial corporations

	2011	2012	2013	2014	2015	2016	2017	2018
<i>EUR billion, four-quarter moving sum</i>								
Debt securities ¹	4.2	2.8	1.7	-0.7	0.0	0.7	-1.8	-3.1
Loans	6.4	0.6	7.0	3.3	5.8	14.6	14.6	4.2
Shares and other equity	9.6	2.4	4.4	4.1	2.4	3.6	10.9	4.3
Other accounts payable	3.4	0.9	3.1	2.9	4.7	6.1	3.4	7.2
Total external financing	23.6	6.7	16.2	9.6	12.9	25.0	27.1	12.6

Source: OeNB (financial accounts).

¹ Including financial derivatives.

Table A8

Insolvency indicators

	2011	2012	2013	2014	2015	2016	2017	2018
Default liabilities (EUR million)	2,775	3,206	6,255	2,899	2,430	2,867	1,863	2,071
Defaults (number)	3,260	3,505	3,266	3,275	3,115	3,163	3,025	2,985

Source: Kreditschutzverband von 1870.

Note: Default liabilities for 2013 include one large insolvency.

Table A9

Housing market indicators

	2011	2012	2013	2014	2015	2016	2017	2018
Residential property price index								
<i>2000=100</i>								
Vienna	156.1	180.7	196.3	204.6	209.2	217.2	220.4	232.0
Austria	132.7	149.1	156.0	161.4	168.1	180.4	187.2	200.1
Austria excluding Vienna	124.0	137.4	141.1	145.4	152.9	166.7	174.9	189.8
Rent prices¹								
<i>2010=100</i>								
Rents of apartments excluding utilities, according to CPI	103.3	107.8	111.2	115.6	120.7	124.4	129.6	134.4
OeNB fundamentals indicator for residential property prices²								
Vienna	2.6	11.4	15.4	16.0	16.0	17.2	19.1	21.4
Austria	-5.8	-0.2	-1.3	-1.5	0.2	4.6	8.9	12.2

Source: OeNB, Vienna University of Technology (TU Wien).

¹ Free and regulated rents.² Deviation from fundamental price in %.

Austrian financial intermediaries¹

Table A10

Structural indicators

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period</i>								
Number of banks in Austria	824	809	790	764	738	672	628	597
Number of bank branches	4,441	4,468	4,359	4,255	4,096	3,926	3,775	3,639
Number of foreign subsidiaries	105	101	93	85	83	60	58	55
Number of branches abroad	152	146	151	200	207	209	215	219
Number of bank employees ¹	79,706	79,110	77,712	75,714	75,034	74,543	73,712	73,508

Source: OeNB.

¹ Number of persons, including part-time employees, employees on leave or military service, excluding blue-collar workers.

Table A11

Total assets

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
Total assets on an unconsolidated basis	1,014,278	982,114	927,155	896,424	859,165	832,267	815,275	854,582
Total assets on a consolidated basis	1,166,313	1,163,595	1,089,713	1,078,155	1,056,705	946,342	948,861	985,981
Total assets of CESEE subsidiaries ¹	270,045	280,629	264,998	285,675	295,557	184,966	205,532	206,582
Leverage ratio (consolidated, %) ²	5.8	6.1	6.5	6.1	6.3	7.6	7.7	7.7

Source: OeNB.

¹ The transfer in ownership of UniCredit Bank Austria's CESEE subsidiaries to the Italian UniCredit Group limits the comparability of figures as of end-2016.² Definition up to 2013: tier 1 capital after deductions in % of total assets. Definition as of 2014 according to Basel III.

Table A12

Sectoral distribution of loans to domestic nonbanks

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
All currencies combined								
Nonbanks	329,912	330,385	326,820	328,324	333,970	338,322	341,227	355,983
of which: nonfinancial corporations	138,840	140,384	140,329	136,606	137,235	136,963	143,113	153,036
households ¹	138,353	139,056	139,052	140,946	146,432	153,501	156,376	161,991
general government	28,976	27,972	25,970	28,102	28,076	27,630	24,292	24,561
other financial intermediaries	23,586	22,806	21,244	22,578	22,127	19,987	17,316	16,395
Foreign currency								
Nonbanks	57,231	47,652	40,108	36,288	33,950	30,089	22,181	20,567
of which: nonfinancial corporations	12,111	9,156	6,985	6,379	5,293	4,296	3,408	3,542
households ¹	38,716	32,905	28,385	25,374	24,423	21,224	16,486	14,994
general government	3,267	2,827	2,478	2,777	2,858	2,623	943	516
other financial intermediaries	3,133	2,761	2,257	1,759	1,374	1,945	1,343	1,515

Source: OeNB.

¹ Including nonprofit institutions serving households.

Note: Figures are based on monetary statistics.

¹ Since 2007, the International Monetary Fund (IMF) has published Financial Soundness Indicators (FSIs) for Austria (see also www.imf.org). In contrast to some FSIs that take only domestically-owned banks into account, the OeNB's Financial Stability Report takes into account all banks operating in Austria. For this reason, some of the figures presented here may deviate from the figures published by the IMF.

Table A13

Loan quality¹

	2011	2012	2013	2014	2015	2016	2017	2018
	<i>End of period, %</i>							
Nonperforming loans in % of total loans (Austria ²)	4.5	4.7	4.1	4.4	4.0	3.2	2.5	2.0
Nonperforming loans in % of total loans (consolidated)	8.3	8.7	8.6	7.0	6.5	5.2	3.4	2.6
Nonperforming loans in % of total loans (Austrian banks' CESEE subsidiaries)	14.2	13.9	14.0	11.8	11.5	8.6	4.5	3.2
Coverage ratio ³ (Austria ²)	x	x	x	x	47	59	60	62
Coverage ratio ³ (consolidated)	x	x	x	x	54	53	52	51
Coverage ratio ³ (Austrian banks' CESEE subsidiaries)	43	48	53	57	59	67	61	64

Source: OeNB.

¹ As of 2017, data are based on Financial Reporting (FINREP) including total loans and advances. Data before 2017 only include loans to households and corporations.² Austrian banks' domestic business.³ Total loan loss provisions in % of nonperforming loans.

Table A14

Exposure to CESEE

	2011	2012	2013	2014	2015	2016	2017	2018
	<i>End of period, EUR million</i>							
Total exposure according to BIS ¹	216,086	209,818	201,768	184,768	186,397	193,273	210,616	217,078
Total indirect lending to nonbanks ^{2,3}	171,311	171,117	161,439	177,389	176,728	108,738	118,268	120,816
Total direct lending ⁴	52,010	51,539	52,926	43,144	40,866	32,976	28,507	27,526
Foreign currency loans of Austrian banks' CESEE subsidiaries ³	88,282	85,382	79,047	76,736	69,317	32,576	31,027	29,836

Source: OeNB.

¹ As of mid-2017, comparability of data with earlier figures is limited due to several methodological adjustments in data collection.² Lending (net lending after risk provisions) to nonbanks by all fully consolidated bank subsidiaries in CESEE.³ The transfer in ownership of UniCredit Bank Austria AG's CESEE subsidiaries to the Italian UniCredit Group limits the comparability of figures as of end-2016.⁴ Cross-border lending to nonbanks and nonfinancial institutions in CESEE according to monetary statistics.

Table A15

Profitability on a consolidated basis¹

	2011	2012	2013	2014	2015	2016	2017	2018
	<i>End of period, EUR million</i>							
Operating income	37,207	37,673	35,271	28,717	28,064	22,408	22,837	24,023
of which: net interest income	20,426	19,259	18,598	19,345	18,336	14,604	14,536	15,210
fee and commission income	7,592	7,260	7,590	7,741	7,730	6,562	6,885	7,097
trading income	845	1,137	670	426	-50	110	95	-628
other operating income ²	8,344	10,016	8,413	1,205	2,048	1,132	1,322	2,344
Operating expenses	26,839	25,582	27,318	19,833	17,612	16,687	14,752	15,661
of which: staff costs	10,279	10,391	10,378	9,543	8,959	8,774	8,415	8,602
other administrative expenses	6,316	6,410	6,628	6,569	6,830	5,820	5,571	5,630
Operating profit/loss	10,369	12,090	7,953	8,884	10,452	5,723	8,087	8,361
Net profit after taxes	711	2,966	-1,035	685	5,244	4,982	6,579	6,916
	%							
Return on average assets ³	0.1	0.3	0.0	0.0	0.5	0.6	0.8	0.8
Return on average equity (tier 1 capital) ³	1.7	5.1	-0.7	0.7	8.5	8.3	10.5	10.3
Net interest income to operating income	55	51	53	67	65	65	64	63
Cost-to-income ratio	66	62	73	69	63	74	65	65
Risk provisioning to operating profit	58	53	88	77	45	21	13	5

Source: OeNB.

¹ The transfer in ownership of UniCredit Bank Austria AG's CESEE subsidiaries to the Italian UniCredit Group limits the comparability of figures as of end-2016.² Since end-2014, other operating income and other operating expenses have been netted under other operating income.³ End-of-period result for the full year after tax but before minority interests as a percentage of average total assets and average tier 1 capital, respectively.

Table A16

Profitability of Austrian banks' CESEE subsidiaries^{1, 2}

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
Operating income	13,195	12,685	12,544	12,159	12,261	7,752	7,914	7,925
of which: net interest income	9,402	8,780	8,414	9,068	8,431	5,135	5,304	5,467
securities and investment earnings	70	66	63	27	49	57	71	87
fee and commission income	3,091	2,992	3,164	3,477	3,358	2,184	2,315	2,241
trading income	517	739	736	-251	642	681	381	145
other operating income ³	-145	-321	-374	-831	-528	-344	-157	-15
Operating expenses ³	6,387	6,363	6,253	6,413	6,264	4,084	4,216	4,081
of which: staff costs	2,997	2,992	2,922	2,978	2,896	1,956	2,052	2,004
Operating profit/loss	6,809	6,321	6,291	5,746	5,998	3,668	3,698	3,845
Net profit after taxes	1,757	1,999	2,201	672	2,050	2,354	2,627	2,913
%								
Return on average assets ⁴	0.7	0.7	0.8	0.2	0.7	1.3	1.3	1.4
Return on average equity (tier 1 capital) ⁴	7.2	8.2	8.4	9.9	9.5	14.3	14.3	16.5
Net interest income to operating income	71	69	67	75	69	66	67	69
Cost-to-income ratio ³	48	50	50	53	51	53	53	51

Source: OeNB.

¹ Pro rata data of Yapı ve Kredi Bankası, a joint venture of UniCredit Bank Austria AG in Turkey, are included for the period from the first quarter of 2014 until end-2015.² The transfer in ownership of UniCredit Bank Austria AG's CESEE subsidiaries to the Italian UniCredit Group limits the comparability of figures as of end-2016.³ Since end-2014, other operating income and other operating expenses have been netted under other operating income.⁴ End-of-period result expected for the full year after tax as a percentage of average total assets and average total tier 1 capital, respectively.

Table A17

Solvency

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
Own funds	88,071	88,204	88,994	87,584	87,793	80,699	84,983	86,529
Total risk exposure	630,158	621,925	578,425	562,790	537,447	442,870	449,451	465,623
<i>End of period, eligible capital and tier 1 capital, respectively, as a percentage of risk-weighted assets</i>								
Consolidated total capital adequacy ratio	13.6	14.2	15.4	15.6	16.3	18.2	18.9	18.6
Consolidated tier 1 capital ratio	10.3	11.0	11.9	11.8	12.9	14.9	15.9	16.0
Consolidated core tier 1 capital ratio (common equity tier 1 as from 2014)	9.8	10.7	11.6	11.7	12.8	14.8	15.6	15.4

Source: OeNB.

Note: Since 2014, figures have been calculated according to CRD IV requirements; therefore, comparability with previous figures is limited.

Table A18

Market indicators of selected Austrian financial instruments

	2012	2013	2014	2015	2016	2017	2018	May 2019
Share prices	<i>% of end-2012 prices, end of period</i>							
Erste Group Bank	100	106	80	121	119	159	163	151
Raiffeisen Bank International	100	81	42	45	58	100	82	69
EURO STOXX Banks	100	126	120	114	105	116	95	77
Uniq	100	94	79	76	73	89	87	81
Vienna Insurance Group	100	90	92	63	53	64	61	54
EURO STOXX Insurance	100	133	138	160	151	165	168	166
Relative valuation: share price-to-book value ratio	<i>%, end of period</i>							
Erste Group Bank	62	82	71	95	86	106	109	95
Raiffeisen Bank International	60	51	48	50	59	100	77	62
EURO STOXX Banks	58	81	77	74	72	83	69	53
Uniq	105	103	78	74	69	86	89	78
Vienna Insurance Group	107	102	98	79	62	71	69	58
EURO STOXX Insurance	75	107	93	102	89	106	108	102

Source: Bloomberg.

Table A19

Key indicators of Austrian insurance companies

	2011	2012	2013	2014	2015	2016	2017	2018
Business and profitability	<i>End of period, EUR million</i>							
Premiums	16,537	16,341	16,608	17,077	17,342	16,920	16,975	17,178
Expenses for claims and insurance benefits	12,826	12,973	13,150	14,157	15,514	14,751	14,727	14,088
Underwriting results	295	455	592	477	475	560	581	507
Profit from investments	2,964	3,391	3,354	3,211	3,216	3,051	2,815	2,528
Profit from ordinary activities	1,162	1,395	1,524	1,421	1,354	1,414	1,244	1,168
Acquisition and administrative expenses	3,541	3,499	3,528	3,573	3,697	3,818	3,728	3,800
Total assets ¹	105,945	108,374	110,391	113,662	114,495	114,707	137,280	133,082
Investments								
Total investments	99,776	103,272	105,496	107,442	107,933	108,897	109,235	108,522
of which: debt securities	37,813	37,614	39,560	41,667	41,517	43,241	44,030	43,529
stocks and other equity securities ²	12,363	12,505	12,464	12,619	12,522	12,534	11,862	11,850
real estate	5,236	5,371	5,689	5,858	5,912	6,022	6,149	6,472
Investments for unit-linked and index-linked life insurance	15,870	18,330	19,127	20,179	19,776	20,142	20,587	19,123
Claims on domestic banks	16,405	16,872	16,687	15,800	15,492	13,793	10,313	9,728
Reinsurance receivables	1,733	1,933	824	918	971	1,027	1,036	1,116
	%							
Risk capacity² (median solvency capital requirement)	332	350	368	380	375	x	276	255

Source: FMA, OeNB.

¹ Contains shares, share certificates (listed and not listed) and all equity instruments held by mutual funds.² A new reporting system based on Solvency II was introduced in 2017; therefore, some indicators cannot be compared with historical values.

Table A20

Assets held by Austrian mutual funds

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
Domestic securities	50,046	50,963	49,757	52,116	52,970	54,382	54,824	52,480
of which: debt securities	16,683	17,527	16,203	15,467	13,609	13,278	11,879	11,313
stocks and other equity securities	2,991	3,637	3,610	3,345	3,530	4,283	4,678	3,607
Foreign securities	87,458	96,854	99,647	110,397	114,833	120,330	128,836	121,038
of which: debt securities	58,695	63,661	62,972	69,642	70,326	69,911	70,353	67,956
stocks and other equity securities	12,097	14,208	16,278	17,910	18,521	20,145	22,924	20,747
Net asset value	137,504	147,817	149,404	162,513	167,802	174,712	183,661	173,518
of which: retail funds	78,299	84,158	83,238	89,163	91,626	94,113	97,095	89,923
institutional funds	59,205	63,659	66,167	73,350	76,177	80,599	86,572	83,600
Consolidated net asset value	116,747	126,831	128,444	138,642	143,249	148,682	156,173	154,235

Source: OeNB.

Table A21

Structure and profitability of Austrian fund management companies

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
Total assets	661	644	670	725	745	691	674	655
Operating profit	125	111	131	158	184	157	177	177
Net commissions and fees earned	284	283	310	368	411	402	407	407
Administrative expenses ¹	195	205	219	246	266	284	267	251
Number of fund management companies	29	29	29	29	29	29	30	24
Number of reported funds	2,171	2,168	2,161	2,118	2,077	2,029	2,020	2,017

Source: OeNB.

¹ Administrative expenses are calculated as the sum of staff and material expenses.

Table A22

Assets held by Austrian pension funds

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
Total assets	14,798	16,335	17,385	19,011	19,646	20,839	22,323	21,494
of which: direct investment	1,139	1,139	1,640	1,065	990	835	848	863
mutual funds	13,626	15,278	15,745	17,946	18,656	20,004	21,475	20,631
foreign currency (without derivatives)	x	5,714	5,964	7,578	7,279	9,169	n.a.	9,149
stocks	x	4,805	5,472	6,250	6,200	6,972	7,867	7,034
debt	x	8,464	7,650	9,163	9,552	9,521	9,054	9,724
real estate	x	567	583	576	690	754	1,165	978
cash and deposits	1,624	1,488	2,033	1,598	1,850	1,863	2,192	1,632

Source: OeNB, FMA.

Table A23

Assets held by Austrian severance funds

	2011	2012	2013	2014	2015	2016	2017	2018
<i>End of period, EUR million</i>								
Total direct investment	1,393	1,442	1,528	1,415	1,565	1,682	1,893	2,416
of which: euro-denominated	1,363	1,415	1,507	1,299	1,502	1,647	1,847	2,348
foreign currency-denominated	30	27	21	x	63	35	46	68
accrued income claims from direct investment	19	22	21	15	14	15	13	12
Total indirect investment	2,891	3,834	4,701	5,912	6,741	7,745	8,720	9,674
of which: total of euro-denominated investment in mutual fund shares	2,741	3,540	4,220	5,190	5,790	6,743	7,429	7,989
total of foreign currency-denominated investment in mutual fund shares	151	294	481	722	951	1,002	1,291	1,685
Total assets assigned to investment groups	4,284	5,254	6,218	7,306	8,294	9,412	10,597	1,205

Source: OeNB.

Note: Due to special balance sheet operations, total assets assigned to investment groups deviate from the sum of total indirect investments.

Table A24

Transactions and system disturbances in payment and securities settlement systems

	2011	2012	2013	2014	2015	2016	2017	2018
<i>Number of transactions in million, value of transactions in EUR billion</i>								
Large-value payment system (domestic, operated by the OeNB)								
Number	1	1	1	1	1	1	1	1
Value	7,667	9,974	5,906	7,438	6,381	4,316	3,690	1,536 ¹
System disturbances	1	1	3	0	1	4	0	3
Securities settlement systems								
Number	2	2	2	2	2	2	2	2
Value	439	418	369	377	315	335	701 ²	658
System disturbances	0	1	5	2	3	3	0	3
Card payment systems								
Number	591	633	673	856 ³	901	963	1,061	1,178
Value	45	48	72	91 ³	97	101	108	116
System disturbances	4	4	2	0	2	4	1	2
Participation in international payment systems								
Number	36	41	53	113	144	166	191	217
Value	1,306	1,820	1,643	2,463	2,420	3,029	3,242	3,831
System disturbances	0	0	0	0	0	0	0	0

Source: OeNB.

¹ As of 2018, liquidity transfers from participants' domestic accounts to their own TARGET2 accounts are no longer included in domestic transactions.² Free-of-payment (FOP) transactions were first included in the value in 2017.³ On-us ATM transactions were first included in 2014.