

1 Euro banknotes

1.1 Euro banknotes, quantities

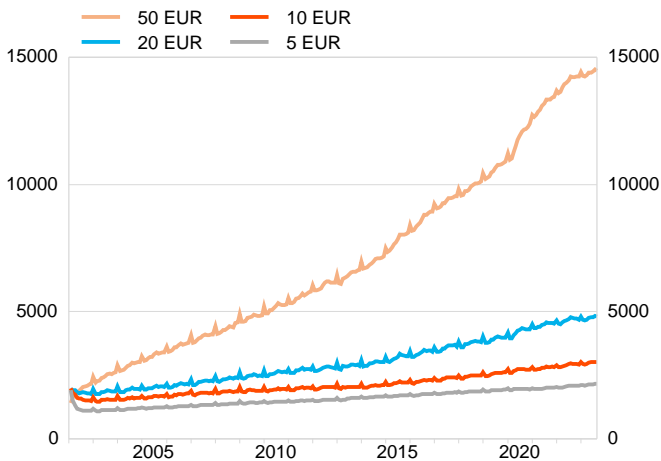
(millions, unless otherwise indicated, not seasonally adjusted)

	TOTAL	500 EUR	200 EUR	100 EUR	50 EUR	20 EUR	10 EUR	5 EUR
% share of total banknotes (circulation of euro banknotes)								
2023 Aug.	100.0	0.9	2.9	13.3	49.1	16.3	10.2	7.3
Circulation of euro banknotes (outstanding amount, end of period)								
2020	26,469	406	653	3,366	12,725	4,499	2,831	1,990
2021	28,188	373	872	3,669	13,684	4,647	2,900	2,043
2022	29,450	301	852	3,928	14,430	4,805	3,010	2,124
2022 Q4	29,450	301	852	3,928	14,430	4,805	3,010	2,124
2023 Q1	29,083	293	850	3,914	14,288	4,680	2,949	2,109
Q2	29,489	284	850	3,937	14,456	4,793	3,015	2,153
2023 June	29,489	284	850	3,937	14,456	4,793	3,015	2,153
July	29,624	281	849	3,942	14,523	4,837	3,033	2,159
Aug.	29,507	278	845	3,932	14,473	4,809	3,013	2,158
Issued by Eurosystem (during period)								
2020	27,873	0	449	1,545	9,553	7,656	6,132	2,539
2021	25,951	0	446	1,522	8,834	7,038	5,757	2,353
2022	27,451	0	416	1,732	9,247	7,404	6,149	2,503
2022 Q4	7,028	0	83	423	2,403	1,894	1,579	645
2023 Q1	6,144	0	71	362	2,054	1,657	1,414	585
Q2	6,855	0	72	405	2,307	1,879	1,554	638
2023 June	2,410	0	25	144	812	663	544	223
July	2,342	0	24	138	798	650	521	209
Aug.	2,337	0	23	138	784	644	525	223
Returned to Eurosystem (during period)								
2020	25,461	41	208	1,230	8,044	7,348	6,053	2,538
2021	24,232	33	227	1,220	7,875	6,889	5,689	2,300
2022	26,188	73	436	1,472	8,500	7,246	6,039	2,422
2022 Q4	6,644	11	98	408	2,189	1,814	1,513	610
2023 Q1	6,511	8	73	376	2,197	1,781	1,475	600
Q2	6,449	9	72	382	2,138	1,767	1,487	594
2023 June	2,325	3	25	137	761	642	543	214
July	2,207	3	25	133	731	607	503	204
Aug.	2,455	3	27	148	834	672	546	224
Net issuance by Eurosystem (during period)								
2020	2,412	-40	240	315	1,509	308	79	1
2021	1,719	-32	219	302	959	149	68	53
2022	1,263	-73	-20	259	747	159	110	81
2022 Q4	384	-11	-15	15	214	80	66	35
2023 Q1	-367	-8	-2	-14	-142	-125	-61	-15
Q2	406	-9	0	23	168	113	67	44
2023 June	85	-3	-1	7	51	21	1	9
July	135	-3	-1	5	66	44	18	6
Aug.	-117	-3	-4	-10	-50	-28	-21	-1

Source: ECB.

1.1.1 Circulation of low denomination banknotes

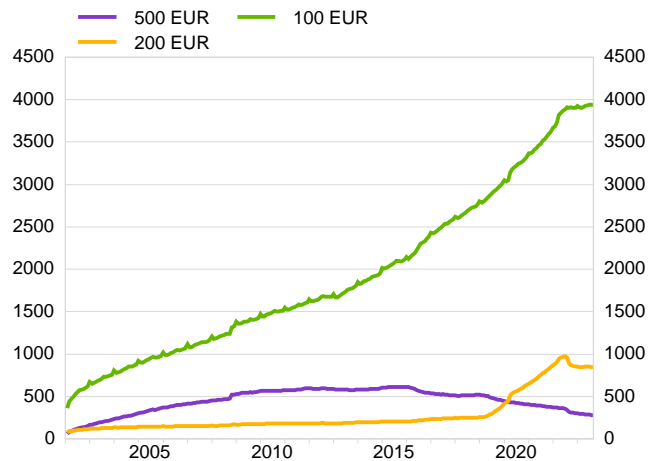
(millions, end of period)



Source: ECB.

1.1.2 Circulation of high denomination banknotes

(millions, end of period)



1.2 Euro banknotes, values

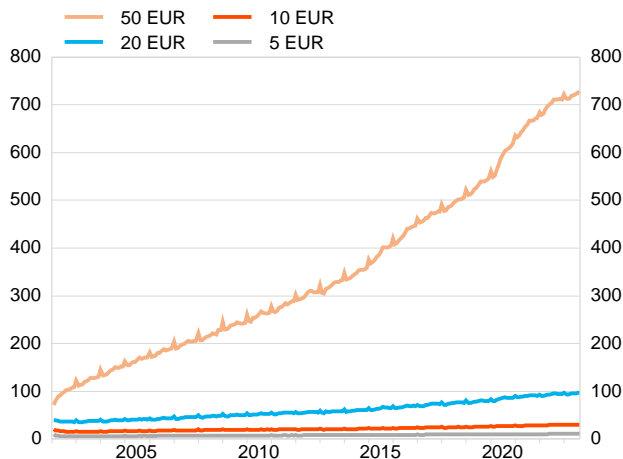
(EUR billions, unless otherwise indicated, not seasonally adjusted)

	TOTAL	500 EUR	200 EUR	100 EUR	50 EUR	20 EUR	10 EUR	5 EUR
% share of total banknotes (circulation of euro banknotes)								
2023 Aug.	100.0	8.9	10.8	25.2	46.3	6.2	1.9	0.7
Circulation of euro banknotes (outstanding amount, end of period)								
2020	1,434.5	202.9	130.6	336.6	636.2	90.0	28.3	9.9
2021	1,544.4	186.7	174.4	366.9	684.2	92.9	29.0	10.2
2022	1,572.0	150.4	170.4	392.8	721.5	96.1	30.1	10.6
2022 Q4	1,572.0	150.4	170.4	392.8	721.5	96.1	30.1	10.6
2023 Q1	1,555.8	146.4	170.0	391.4	714.4	93.6	29.5	10.5
Q2	1,565.4	142.1	170.0	393.7	722.8	95.9	30.2	10.8
2023 June	1,565.4	142.1	170.0	393.7	722.8	95.9	30.2	10.8
July	1,568.6	140.5	169.9	394.2	726.1	96.7	30.3	10.8
Aug.	1,561.9	138.9	169.0	393.2	723.7	96.2	30.1	10.8
Issued by Eurosystem (during period)								
2020	949.2	0.2	89.7	154.5	477.7	153.1	61.3	12.7
2021	893.4	0.2	89.2	152.2	441.7	140.8	57.6	11.8
2022	941.0	0.2	83.1	173.2	462.3	148.1	61.5	12.5
2022 Q4	236.1	0.1	16.7	42.3	120.2	37.9	15.8	3.2
2023 Q1	203.3	0.0	14.1	36.2	102.7	33.1	14.1	2.9
Q2	226.7	0.0	14.4	40.5	115.3	37.6	15.5	3.2
2023 June	79.7	0.0	4.9	14.4	40.6	13.3	5.4	1.1
July	77.9	0.0	4.9	13.8	39.9	13.0	5.2	1.0
Aug.	76.9	0.0	4.7	13.8	39.2	12.9	5.3	1.1
Returned to Eurosystem (during period)								
2020	807.4	20.4	41.7	123.0	402.2	147.0	60.5	12.7
2021	783.5	16.3	45.4	122.0	393.7	137.8	56.9	11.5
2022	913.3	36.5	87.1	147.2	425.0	144.9	60.4	12.1
2022 Q4	230.1	5.7	19.6	40.8	109.5	36.3	15.1	3.1
2023 Q1	219.5	4.1	14.6	37.6	109.8	35.6	14.8	3.0
Q2	217.1	4.4	14.4	38.2	106.9	35.3	14.9	3.0
2023 June	77.7	1.6	5.0	13.7	38.0	12.8	5.4	1.1
July	74.7	1.6	5.1	13.3	36.6	12.1	5.0	1.0
Aug.	83.6	1.6	5.5	14.8	41.7	13.4	5.5	1.1
Net issuance by Eurosystem (during period)								
2020	141.8	-20.2	48.0	31.5	75.4	6.2	0.8	0.0
2021	109.9	-16.1	43.8	30.2	48.0	3.0	0.7	0.3
2022	27.6	-36.3	-4.0	25.9	37.3	3.2	1.1	0.4
2022 Q4	6.0	-5.7	-2.9	1.5	10.7	1.6	0.7	0.2
2023 Q1	-16.2	-4.0	-0.4	-1.4	-7.1	-2.5	-0.6	-0.1
Q2	9.6	-4.3	0.1	2.3	8.4	2.3	0.7	0.2
2023 June	2.0	-1.6	-0.1	0.7	2.5	0.4	0.0	0.0
July	3.2	-1.5	-0.2	0.5	3.3	0.9	0.2	0.0
Aug.	-6.7	-1.6	-0.8	-1.0	-2.5	-0.6	-0.2	0.0

Source: ECB.

1.2.1 Circulation of low denomination banknotes

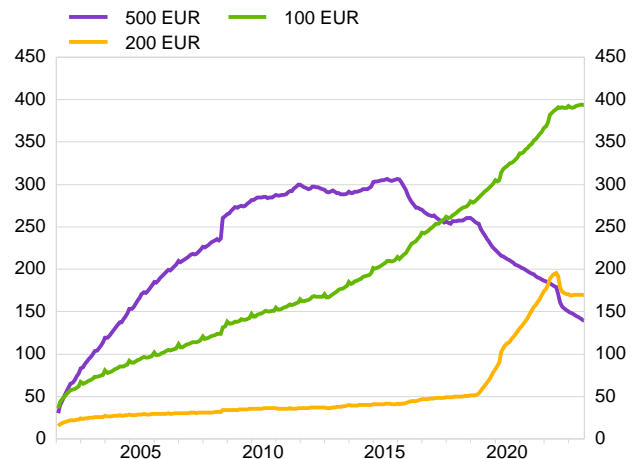
(EUR billions, outstanding amounts)



Source: ECB.

1.2.2 Circulation of high denomination banknotes

(EUR billions, outstanding amounts)



2 Euro coins

2.1 Euro coins, quantities

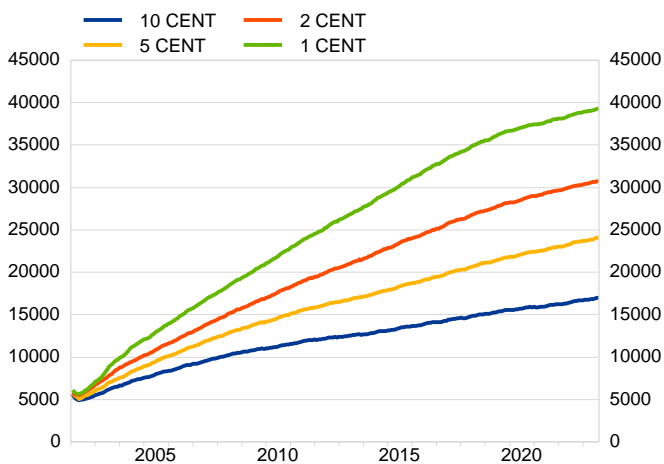
(millions, unless otherwise indicated, not seasonally adjusted)

	TOTAL	2 EUR	1 EUR	50 CENT	20 CENT	10 CENT	5 CENT	2 CENT	1 CENT
% share of total coins (circulation of euro coins)									
2023 Aug.	100.0	5.0	5.6	4.8	9.1	11.5	16.3	20.9	26.7
Circulation of euro coins (outstanding amount, end of period)									
2020	138,070	6,689	7,592	6,583	12,396	15,914	22,447	29,028	37,422
2021	141,184	6,917	7,748	6,711	12,725	16,248	23,036	29,680	38,120
2022	144,995	7,227	8,055	6,964	13,146	16,712	23,686	30,347	38,857
2022 Q4	144,995	7,227	8,055	6,964	13,146	16,712	23,686	30,347	38,857
2023 Q1	145,581	7,255	8,069	6,984	13,208	16,784	23,787	30,499	38,995
Q2	146,803	7,377	8,185	7,087	13,350	16,927	23,977	30,688	39,213
2023 June	146,803	7,377	8,185	7,087	13,350	16,927	23,977	30,688	39,213
July	147,211	7,411	8,230	7,123	13,403	16,972	24,048	30,745	39,280
Aug.	147,395	7,430	8,254	7,144	13,427	16,989	24,075	30,764	39,312
Issued by Eurosystem (during period)									
2020	13,000	1,043	977	968	1,710	1,412	1,743	2,672	2,475
2021	11,524	1,035	958	890	1,544	1,270	1,595	2,219	2,014
2022	12,972	1,131	1,122	1,035	1,739	1,491	1,785	2,450	2,220
2022 Q4	3,225	284	275	253	410	373	446	621	562
2023 Q1	3,187	277	265	247	416	363	407	639	572
Q2	3,457	312	315	288	452	382	475	598	635
2023 June	1,316	113	123	115	170	154	203	216	223
July	1,221	108	120	102	164	140	176	211	200
Aug.	1,086	98	96	88	153	123	142	206	180
Returned to Eurosystem (during period)									
2020	9,997	949	951	883	1,370	1,085	1,120	1,871	1,767
2021	8,403	800	802	762	1,216	936	1,005	1,567	1,316
2022	9,162	821	815	781	1,317	1,027	1,135	1,783	1,482
2022 Q4	2,600	223	236	218	379	303	331	505	406
2023 Q1	2,600	249	251	228	354	290	306	487	435
Q2	2,237	191	199	185	310	240	285	409	417
2023 June	822	68	71	65	110	91	120	152	145
July	814	73	75	67	112	95	105	154	132
Aug.	902	79	72	67	128	105	115	187	148
Net issuance by Eurosystem (during period)									
2020	3,003	94	26	84	340	327	623	801	708
2021	3,121	235	156	128	328	334	590	652	698
2022	3,810	310	307	254	421	464	649	667	737
2022 Q4	624	62	39	35	31	69	115	116	157
2023 Q1	586	28	14	19	62	72	101	152	138
Q2	1,220	121	115	103	142	142	189	189	218
2023 June	494	45	52	50	60	63	83	64	78
July	408	34	45	36	52	45	71	57	67
Aug.	184	19	24	21	25	18	26	19	32

Source: ECB.

2.1.1 Circulation of low denomination coins

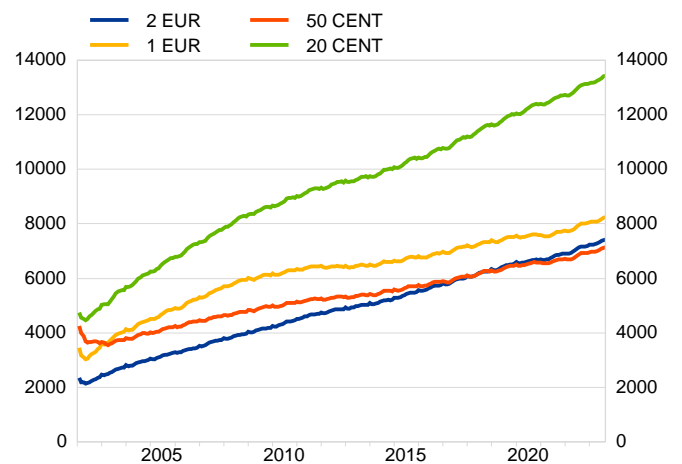
(millions, outstanding amounts)



Source: ECB.

2.1.2 Circulation of high denomination coins

(millions, outstanding amounts)



2.2 Euro coins, values

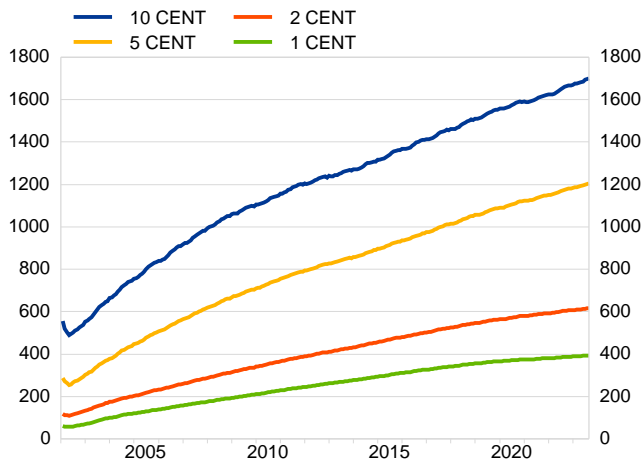
(EUR millions, unless otherwise indicated, not seasonally adjusted)

	TOTAL	2 EUR	1 EUR	50 CENT	20 CENT	10 CENT	5 CENT	2 CENT	1 CENT
% share of total coins (circulation of euro coins)									
2023 Aug.	100.0	44.6	24.8	10.7	8.1	5.1	3.6	1.8	1.2
Circulation of euro coins (outstanding amount, end of period)									
2020	30,409	13,378	7,592	3,291	2,479	1,591	1,122	581	374
2021	31,233	13,834	7,748	3,355	2,545	1,625	1,152	594	381
2022	32,472	14,455	8,055	3,482	2,629	1,671	1,184	607	389
2022 Q4	32,472	14,455	8,055	3,482	2,629	1,671	1,184	607	389
2023 Q1	32,581	14,511	8,069	3,492	2,642	1,678	1,189	610	390
Q2	33,049	14,753	8,185	3,544	2,670	1,693	1,199	614	392
2023 June	33,049	14,753	8,185	3,544	2,670	1,693	1,199	614	392
July	33,201	14,822	8,230	3,561	2,681	1,697	1,202	615	393
Aug.	33,283	14,860	8,254	3,572	2,685	1,699	1,204	615	393
Issued by Eurosystem (during period)									
2020	4,195	2,086	977	484	342	141	87	53	25
2021	4,052	2,070	958	445	309	127	80	44	20
2022	4,559	2,262	1,122	518	348	149	89	49	22
2022 Q4	1,130	569	275	127	82	37	22	12	6
2023 Q1	1,101	555	265	124	83	36	20	13	6
Q2	1,253	624	315	144	90	38	24	12	6
2023 June	472	226	123	57	34	15	10	4	2
July	449	216	120	51	33	14	9	4	2
Aug.	392	197	96	44	31	12	7	4	2
Returned to Eurosystem (during period)									
2020	3,785	1,899	951	442	274	109	56	37	18
2021	3,214	1,600	802	381	243	94	50	31	13
2022	3,321	1,641	815	391	263	103	57	36	15
2022 Q4	927	445	236	109	76	30	17	10	4
2023 Q1	993	499	251	114	71	29	15	10	4
Q2	786	381	199	93	62	24	14	8	4
2023 June	281	136	71	33	22	9	6	3	1
July	297	147	75	33	22	10	5	3	1
Aug.	310	158	72	33	26	11	6	4	1
Net issuance by Eurosystem (during period)									
2020	410	187	26	42	68	33	31	16	7
2021	838	470	156	64	66	33	29	13	7
2022	1,239	621	307	127	84	46	32	13	7
2022 Q4	203	124	39	18	6	7	6	2	2
2023 Q1	109	56	14	10	12	7	5	3	1
Q2	467	242	115	51	28	14	9	4	2
2023 June	191	89	52	25	12	6	4	1	1
July	152	69	45	18	10	4	4	1	1
Aug.	82	39	24	11	5	2	1	0	0

Source: ECB.

2.2.1 Circulation of low denomination coins

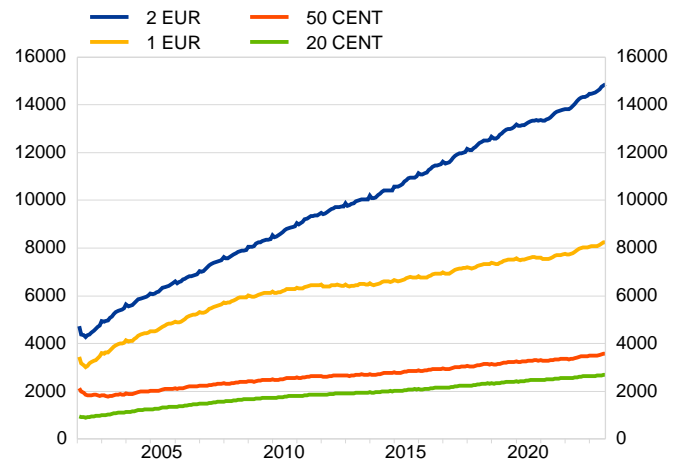
(EUR millions, outstanding amounts)



Source: ECB.

2.2.2 Circulation of high denomination coins

(EUR millions, outstanding amounts)



3 Euro banknotes in circulation by country

3.1 Quantities

(data reference: December 2021, millions, unless otherwise indicated, not seasonally adjusted)

	TOTAL	500 EUR	200 EUR	100 EUR	50 EUR	20 EUR	10 EUR	5 EUR
Euro area	28,188	373	872	3,669	13,684	4,647	2,900	2,043
Belgium	944	-25	-10	117	957	108	-369	166
Germany	17,817	282	704	2,379	5,015	3,198	3,728	2,510
Estonia	66	1	0	-7	54	-13	6	25
Ireland	902	-1	-1	-11	924	15	-67	43
Greece	-81	-13	0	-2	752	-343	-403	-72
Spain	-2,613	15	1	-122	1,471	-2,193	-1,575	-210
France	7,023	-31	-27	114	2,131	3,760	1,371	-295
Italy	5,245	-103	-75	-11	4,984	570	-235	116
Cyprus	-68	0	0	-2	58	-48	-63	-13
Latvia	62	-3	1	-9	35	14	14	10
Lithuania	140	-3	4	37	61	22	17	2
Luxembourg	380	117	91	203	103	-109	-53	27
Malta	30	1	1	-4	41	9	-8	-9
Netherlands	-283	-17	27	-75	806	-602	-225	-196
Austria	-2,904	145	142	1,052	-3,600	-931	396	-109
Portugal	369	-3	-5	-76	-503	695	213	48
Slovenia	475	1	8	-5	91	294	112	-25
Slovakia	261	7	7	102	47	38	51	10
Finland	421	4	4	-12	256	163	-9	15

Source: ECB.

Note: Banknotes in circulation is calculated for each individual country as the total euro banknotes put into circulation by the national central bank (NCB) of that country since the introduction of the euro, minus all euro banknotes returned to that NCB. Outstanding amounts may also be negative if the value/number of banknotes returned to an NCB is greater than the value/number it has issued because of banknote migration between the euro area countries. Aggregated for the whole euro area, these amounts give the 'net circulation of banknotes' data item.

These data do not indicate whether the banknotes are physically circulating within the euro area or outside the euro area. Please see the 'Background' tab of the Banknotes and coins circulation site (https://www.ecb.europa.eu/stats/policy_and_exchange_rates/banknotes+coins/circulation/html/index.en.html) for further information.

3.2 Values

(data reference: December 2021, EUR billions, unless otherwise indicated, not seasonally adjusted)

	TOTAL	500 EUR	200 EUR	100 EUR	50 EUR	20 EUR	10 EUR	5 EUR
Euro area	1,544.4	186.7	174.4	366.9	684.2	92.9	29.0	10.2
Belgium	44.3	-12.5	-2.0	11.7	47.9	2.2	-3.7	0.8
Germany	884.4	141.1	140.8	237.9	250.8	64.0	37.3	12.6
Estonia	2.7	0.7	0.1	-0.7	2.7	-0.3	0.1	0.1
Ireland	44.3	-0.5	-0.2	-1.1	46.2	0.3	-0.7	0.2
Greece	19.8	-6.3	-0.1	-0.2	37.6	-6.9	-4.0	-0.4
Spain	8.4	7.5	0.2	-12.2	73.6	-43.9	-15.7	-1.1
France	184.4	-15.7	-5.3	11.4	106.6	75.2	13.7	-1.5
Italy	191.1	-51.7	-15.0	-1.1	249.2	11.4	-2.4	0.6
Cyprus	1.1	0.0	0.0	-0.2	2.9	-1.0	-0.6	-0.1
Latvia	-0.1	-1.6	0.2	-0.9	1.8	0.3	0.1	0.1
Lithuania	6.7	-1.5	0.8	3.7	3.0	0.4	0.2	0.0
Luxembourg	99.7	58.7	18.1	20.3	5.2	-2.2	-0.5	0.1
Malta	2.1	0.3	0.1	-0.4	2.1	0.2	-0.1	0.0
Netherlands	14.4	-8.5	5.4	-7.5	40.3	-12.0	-2.2	-1.0
Austria	11.1	72.7	28.5	105.2	-180.0	-18.6	4.0	-0.5
Portugal	-19.2	-1.7	-1.1	-7.6	-25.1	13.9	2.1	0.2
Slovenia	12.8	0.3	1.5	-0.5	4.5	5.9	1.1	-0.1
Slovakia	18.5	3.3	1.4	10.2	2.3	0.8	0.5	0.0
Finland	17.8	2.2	0.8	-1.2	12.8	3.3	-0.1	0.1

Source: ECB.

Note: Banknotes in circulation is calculated for each individual country as the total euro banknotes put into circulation by the national central bank (NCB) of that country since the introduction of the euro, minus all euro banknotes returned to that NCB. Outstanding amounts may also be negative if the value/number of banknotes returned to an NCB is greater than the value/number it has issued because of banknote migration between the euro area countries. Aggregated for the whole euro area, these amounts give the 'net circulation of banknotes' data item.

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