

## 8.2 Bilateral exchange rates (period averages; units of national currency per euro)

	Bulgarian lev	Czech koruna	Danish krone	Croatian kuna	Hungarian forint	Polish zloty	New Roman- ian leu	Swedish krona	Pound sterling	New Turkish lira
	1	2	3	4	5	6	7	8	9	10
2017	1.9558	26.326	7.4386	7.4637	309.19	4.2570	4.5688	9.6351	0.87667	4.1206
2018	1.9558	25.647	7.4532	7.4182	318.89	4.2615	4.6540	10.2583	0.88471	5.7077
2019	1.9558	25.670	7.4661	7.4180	325.30	4.2976	4.7453	10.5891	0.87777	6.3578
2019 Q2	1.9558	25.686	7.4665	7.4183	322.97	4.2823	4.7480	10.6191	0.87477	6.6061
Q3	1.9558	25.734	7.4631	7.3936	328.10	4.3184	4.7314	10.6622	0.90209	6.3065
Q4	1.9558	25.577	7.4710	7.4392	331.93	4.2871	4.7666	10.6524	0.86078	6.4137
2019 July	1.9558	25.548	7.4656	7.3903	325.27	4.2596	4.7286	10.5604	0.89942	6.3528
Aug.	1.9558	25.802	7.4602	7.3897	326.91	4.3466	4.7280	10.7356	0.91554	6.2869
Sep.	1.9558	25.868	7.4634	7.4012	332.45	4.3531	4.7381	10.6968	0.89092	6.2765
Oct.	1.9558	25.689	7.4693	7.4363	331.46	4.3013	4.7538	10.8023	0.87539	6.4023
Nov.	1.9558	25.531	7.4720	7.4400	333.62	4.2855	4.7698	10.6497	0.85761	6.3420
Dec.	1.9558	25.497	7.4720	7.4416	330.71	4.2726	4.7779	10.4827	0.84731	6.5022
2020 Jan.	1.9558	25.216	7.4729	7.4429	334.38	4.2507	4.7788	10.5544	0.84927	6.5808
<i>Percentage change versus previous month</i>										
2020 Jan.	0.0	-1.1	0.0	0.0	1.1	-0.5	0.0	0.7	0.2	1.2
<i>Percentage change versus previous year</i>										
2020 Jan.	0.0	-1.7	0.1	0.2	4.6	-1.0	1.5	2.8	-4.1	7.2

  

	Australian dollar	Brazilian real	Canadian dollar	Chinese yuan renminbi	Hong Kong dollar	Indian rupee	Indonesian rupiah	Israeli shekel	Japanese yen	Malaysian ringgit
	11	12	13	14	15	16	17	18	19	20
2017	1.4732	3.6054	1.4647	7.6290	8.8045	73.5324	15,118.01	4.0622	126.71	4.8527
2018	1.5797	4.3085	1.5294	7.8081	9.2559	80.7332	16,803.22	4.2423	130.40	4.7634
2019	1.6109	4.4134	1.4855	7.7355	8.7715	78.8361	15,835.27	3.9901	122.01	4.6374
2019 Q2	1.6063	4.4070	1.5036	7.6721	8.8098	78.1607	16,020.80	4.0400	123.47	4.6625
Q3	1.6216	4.4080	1.4681	7.8000	8.7057	78.2735	15,702.20	3.9206	119.32	4.6307
Q4	1.6205	4.5590	1.4616	7.8012	8.6644	78.8542	15,574.38	3.8669	120.32	4.6110
2019 July	1.6061	4.2416	1.4693	7.7151	8.7638	77.1279	15,745.50	3.9758	121.41	4.6258
Aug.	1.6431	4.4649	1.4768	7.8581	8.7243	79.1902	15,838.62	3.9046	118.18	4.6599
Sep.	1.6162	4.5307	1.4578	7.8323	8.6224	78.5678	15,511.84	3.8769	118.24	4.6056
Oct.	1.6271	4.5212	1.4581	7.8447	8.6678	78.5177	15,604.45	3.8882	119.51	4.6283
Nov.	1.6181	4.5900	1.4630	7.7571	8.6511	78.9799	15,546.69	3.8472	120.34	4.5937
Dec.	1.6154	4.5700	1.4640	7.7974	8.6744	79.1092	15,568.87	3.8630	121.24	4.6093
2020 Jan.	1.6189	4.6020	1.4523	7.6832	8.6283	79.1342	15,236.08	3.8417	121.36	4.5279
<i>Percentage change versus previous month</i>										
2020 Jan.	0.2	0.7	-0.8	-1.5	-0.5	0.0	-2.1	-0.6	0.1	-1.8
<i>Percentage change versus previous year</i>										
2020 Jan.	1.3	7.8	-4.4	-0.9	-3.6	-2.1	-5.7	-8.7	-2.4	-3.7

  

	Mexican peso	New Zealand dollar	Norwegian krone	Philippine peso	Russian rouble	Singapore dollar	South African rand	South Korean won	Swiss franc	Thai baht	US dollar
	21	22	23	24	25	26	27	28	29	30	31
2017	21.3286	1.5897	9.3270	56.973	65.9383	1.5588	15.0490	1,276.74	1.1117	38.296	1.1297
2018	22.7054	1.7065	9.5975	62.210	74.0416	1.5926	15.6186	1,299.07	1.1550	38.164	1.1810
2019	21.5565	1.6998	9.8511	57.985	72.4553	1.5273	16.1757	1,305.32	1.1124	34.757	1.1195
2019 Q2	21.5004	1.6968	9.7184	58.460	72.5606	1.5324	16.1683	1,312.07	1.1265	35.505	1.1237
Q3	21.5945	1.7137	9.8471	57.574	71.8369	1.5288	16.2996	1,327.55	1.0960	34.150	1.1119
Q4	21.3265	1.7208	10.0910	56.464	70.5754	1.5095	16.3062	1,302.15	1.0962	33.515	1.1071
2019 July	21.3614	1.6790	9.6587	57.338	70.9068	1.5268	15.7412	1,320.29	1.1076	34.550	1.1218
Aug.	21.8925	1.7303	9.9742	58.075	73.2161	1.5408	16.8632	1,347.10	1.0892	34.218	1.1126
Sep.	21.5374	1.7345	9.9203	57.306	71.4106	1.5183	16.3207	1,315.02	1.0903	33.639	1.1004
Oct.	21.3687	1.7455	10.1165	56.860	71.0858	1.5150	16.4939	1,308.65	1.0981	33.558	1.1053
Nov.	21.3399	1.7266	10.1087	56.062	70.5770	1.5047	16.3444	1,291.19	1.0978	33.422	1.1051
Dec.	21.2640	1.6864	10.0429	56.432	69.9867	1.5081	16.0502	1,306.19	1.0925	33.562	1.1113
2020 Jan.	20.8733	1.6811	9.9384	56.436	68.7690	1.5003	16.0091	1,296.12	1.0765	33.814	1.1100
<i>Percentage change versus previous month</i>											
2020 Jan.	-1.8	-0.3	-1.0	0.0	-1.7	-0.5	-0.3	-0.8	-1.5	0.8	-0.1
<i>Percentage change versus previous year</i>											
2020 Jan.	-4.7	-0.2	1.8	-5.8	-9.9	-3.1	1.2	1.1	-4.7	-6.9	-2.8

Source: ECB.