



Exchange rate statistics

August 2022

Statistical Series

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Information pursuant to Section 5 of the German Tele-
media Act (Telemediengesetz) can be found at:
www.bundesbank.de/imprint

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ISSN 2699-9188

Finalized on 12 August 2022.

This Statistical Series is released once a month and pub-
lished on the basis of Section 18 of the Bundesbank Act
(Gesetz über die Deutsche Bundesbank).

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Abbreviations and symbols

| | |
|--------------|---|
| CU | Currency unit(s) |
| EC | European Community |
| ECB | European Central Bank |
| ECU | European Currency Unit |
| EER | Effective exchange rate |
| ERM | Exchange Rate Mechanism |
| EU | European Union |
| IMF | International Monetary Fund |
| ISO | International Organization for Standardization |
| SDR | Special drawing right |
| SITC | Standard International Trade Classification |
| SWIFT | Society for Worldwide Interbank Financial Telecommunication |
| B | Buying rate |
| M | Middle rate |
| S | Selling rate |
| V | Calculated value |
| e | Estimated |
| p | Provisional |
| r | Revised |
| . | Data unknown, not to be published or not meaningful |
| – | Nil |

Discrepancies in the totals are due to rounding.

I. Euro area and exchange rate stability convergence criterion

1. Euro area countries and irrevocable euro conversion rates in the third stage of Economic and Monetary Union

| From | Country | Currency | ISO currency code | EUR 1 = CU ... | Council Regulation (EU) No 1 | |
|----------------|----------------|--------------------|-------------------|----------------|------------------------------|-----------|
| 1999 January 1 | Austria | Austrian schilling | ATS | 13.7603 | 2866/98 | |
| | Belgium | Belgian franc | BEF | 40.3399 | 2866/98 | |
| | Finland | Finnish markka | FIM | 5.94573 | 2866/98 | |
| | France | French franc | FRF | 6.55957 | 2866/98 | |
| | Germany | Deutsche Mark | DEM | 1.95583 | 2866/98 | |
| | Ireland | Irish pound | IEP | 0.787564 | 2866/98 | |
| | Italy | Italian lira | ITL | 1,936.27 | 2866/98 | |
| | Luxembourg | Luxembourg franc | LUF | 40.3399 | 2866/98 | |
| | Netherlands | Dutch guilder | NLG | 2.20371 | 2866/98 | |
| | Portugal | Portuguese escudo | PTE | 200.482 | 2866/98 | |
| | Spain | Spanish peseta | ESP | 166.386 | 2866/98 | |
| | 2001 January 1 | Greece | Greek drachma | GRD | 340.750 | 1478/2000 |
| | 2007 January 1 | Slovenia | Slovenian tolar | SIT | 239.640 | 1086/2006 |
| | 2008 January 1 | Cyprus | Cyprus pound | CYP | 0.585274 | 1135/2007 |
| Malta | | Maltese lira | MTL | 0.429300 | 1134/2007 | |
| 2009 January 1 | Slovakia | Slovak koruna | SKK | 30.1260 | 694/2008 | |
| 2011 January 1 | Estonia | Estonian kroon | EEK | 15.6466 | 671/2010 | |
| 2014 January 1 | Latvia | Latvian lats | LVL | 0.702804 | 870/2013 | |
| 2015 January 1 | Lithuania | Lithuanian litas | LTL | 3.45280 | 851/2014 | |

1 The EU regulations can be found at <http://eur-lex.europa.eu>

2. Central rates and intervention rates in Exchange Rate Mechanism II *

| Country Currency ISO currency code | Type of rate | EUR 1 = CU ... | | | | | | | |
|--|--------------|----------------------|----------------------|--------------|------------|----------------------|-----------------------|-----------------------|----------------------|
| | | From ... | | | | | | | |
| | | 1 Jan. 1999 | 17 Jan. 2000 | 28 June 2004 | 2 May 2005 | 28 Nov. 2005 | 19 Mar. 2007 | 29 May 2008 | 13 July 2020 |
| Denmark | Upper rate | 7.62824 | 7.62824 | 7.62824 | 7.62824 | 7.62824 | 7.62824 | 7.62824 | 7.62824 |
| Danish krone | Central rate | ¹ 7.46038 | 7.46038 | 7.46038 | 7.46038 | 7.46038 | 7.46038 | 7.46038 | 7.46038 |
| DKK | Lower rate | 7.29252 | 7.29252 | 7.29252 | 7.29252 | 7.29252 | 7.29252 | 7.29252 | 7.29252 |
| Bulgaria | Upper rate | – | – | – | – | – | – | – | 2.24920 |
| Bulgarian lev | Central rate | – | – | – | – | – | – | – | ² 1.95583 |
| BGN | Lower rate | – | – | – | – | – | – | – | 1.66246 |
| Croatia | Upper rate | – | – | – | – | – | – | – | 8.66468 |
| Croatian kuna | Central rate | – | – | – | – | – | – | – | ² 7.53450 |
| HRK | Lower rate | – | – | – | – | – | – | – | 6.40433 |
| Greece | Upper rate | 406.075 | ³ 391.863 | – | – | – | – | – | – |
| Greek drachma | Central rate | ¹ 353.109 | ³ 340.750 | – | – | – | – | – | – |
| GRD | Lower rate | 300.143 | 289.638 | – | – | – | – | – | – |
| Estonia | Upper rate | – | – | 17.9936 | 17.9936 | 17.9936 | 17.9936 | 17.9936 | – |
| Estonian kroon | Central rate | – | – | 15.6466 | 15.6466 | 15.6466 | 15.6466 | ⁴ 15.6466 | – |
| EEK | Lower rate | – | – | 13.2996 | 13.2996 | 13.2996 | 13.2996 | 13.2996 | – |
| Lithuania | Upper rate | – | – | 3.97072 | 3.97072 | 3.97072 | 3.97072 | 3.97072 | – |
| Lithuanian litas | Central rate | – | – | 3.45280 | 3.45280 | 3.45280 | 3.45280 | ⁵ 3.45280 | – |
| LTL | Lower rate | – | – | 2.93488 | 2.93488 | 2.93488 | 2.93488 | 2.93488 | – |
| Slovenia | Upper rate | – | – | 275.586 | 275.586 | 275.586 | – | – | – |
| Slovenian tolar | Central rate | – | – | 239.640 | 239.640 | ⁶ 239.640 | – | – | – |
| SIT | Lower rate | – | – | 203.694 | 203.694 | 203.694 | – | – | – |
| Cyprus | Upper rate | – | – | – | 0.673065 | 0.673065 | 0.673065 | – | – |
| Cyprus pound | Central rate | – | – | – | 0.585274 | 0.585274 | ⁷ 0.585274 | – | – |
| CYP | Lower rate | – | – | – | 0.497483 | 0.497483 | 0.497483 | – | – |
| Latvia | Upper rate | – | – | – | 0.808225 | 0.808225 | 0.808225 | 0.808225 | – |
| Latvian lats | Central rate | – | – | – | 0.702804 | 0.702804 | 0.702804 | ⁸ 0.702804 | – |
| LVL | Lower rate | – | – | – | 0.597383 | 0.597383 | 0.597383 | 0.597383 | – |
| Malta | Upper rate | – | – | – | 0.493695 | 0.493695 | 0.493695 | – | – |
| Maltese lira | Central rate | – | – | – | 0.429300 | 0.429300 | ⁷ 0.429300 | – | – |
| MTL | Lower rate | – | – | – | 0.364905 | 0.364905 | 0.364905 | – | – |
| Slovakia | Upper rate | – | – | – | – | 44.2233 | 40.7588 | 34.6449 | – |
| Slovak koruna | Central rate | – | – | – | – | 38.4550 | 35.4424 | ⁹ 30.1260 | – |
| SKK | Lower rate | – | – | – | – | 32.6868 | 30.1260 | 25.6071 | – |

Source: ECB. * One prerequisite before an EU Member State can join the euro area is that its currency must have observed the normal fluctuation margins of Exchange Rate Mechanism II (the standard fluctuation band is $\pm 15\%$) for at least two years without devaluing against the euro. The Danish krone has a fluctuation band of $\pm 2.25\%$ on either side of the central rate. ¹ According to the EU communiqué of 31 December 1998. ² According to the EU communiqué of 10 July 2020. ³ Until 31 December 2000;

accession to the euro area on 1 January 2001. ⁴ Until 31 December 2010; accession to the euro area on 1 January 2011. ⁵ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁶ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁷ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁸ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁹ Until 31 December 2008; accession to the euro area on 1 January 2009.

II. Euro foreign exchange reference rates of the European Central Bank *

1. End-of-month and daily rates

EUR 1 = CU ...

| | | EU member countries | | | | | | | |
|--------|---------|----------------------|-------------|---------------------|---------------------|-------------------------|---------------------|---------------------|----------------------|
| | | Bulgaria | Croatia | Czechia | Denmark | Hungary | Poland | Romania | Sweden |
| Period | | Bulgarian lev BGN | Kuna HRK | Czech koruna CZK | Danish krone DKK | Hungarian forint HUF | Polish zloty PLN | Romanian leu RON | Swedish krona SEK |
| 2021 | July | 1.9558 | 7.5003 | 25.501 | 7.4379 | 357.20 | 4.5636 | 4.9203 | 10.1868 |
| | Aug. | 1.9558 | 7.4900 | 25.523 | 7.4360 | 348.80 | 4.5296 | 4.9359 | 10.1625 |
| | Sep. | 1.9558 | 7.4889 | 25.495 | 7.4360 | 360.19 | 4.6197 | 4.9475 | 10.1683 |
| | Oct. | 1.9558 | 7.5270 | 25.697 | 7.4389 | 360.00 | 4.6215 | 4.9493 | 9.9368 |
| | Nov. | 1.9558 | 7.5315 | 25.526 | 7.4368 | 365.68 | 4.6639 | 4.9510 | 10.2860 |
| | Dec. | 1.9558 | 7.5156 | 24.858 | 7.4364 | 369.19 | 4.5969 | 4.9490 | 10.2503 |
| 2022 | Jan. | 1.9558 | 7.5293 | 24.372 | 7.4419 | 357.19 | 4.5892 | 4.9475 | 10.4890 |
| | Feb. | 1.9558 | 7.5655 | 24.997 | 7.4404 | 369.72 | 4.6835 | 4.9484 | 10.6055 |
| | Mar. | 1.9558 | 7.5740 | 24.375 | 7.4379 | 369.77 | 4.6531 | 4.9463 | 10.3370 |
| | Apr. | 1.9558 | 7.5667 | 24.605 | 7.4415 | 378.71 | 4.6780 | 4.9479 | 10.2958 |
| | May | 1.9558 | 7.5410 | 24.714 | 7.4394 | 396.20 | 4.5805 | 4.9408 | 10.5053 |
| | June | 1.9558 | 7.5307 | 24.739 | 7.4392 | 397.04 | 4.6904 | 4.9464 | 10.7300 |
| | July | 1.9558 | 7.5180 | 24.610 | 7.4438 | 404.80 | 4.7375 | 4.9343 | 10.3875 |
| 2022 | July 18 | 1.9558 | 7.5130 | 24.508 | 7.4435 | 402.05 | 4.7760 | 4.9389 | 10.5265 |
| | 19 | 1.9558 | 7.5093 | 24.555 | 7.4449 | 397.45 | 4.7598 | 4.9395 | 10.4964 |
| | 20 | 1.9558 | 7.5143 | 24.493 | 7.4452 | 399.50 | 4.7820 | 4.9396 | 10.4606 |
| | 21 | 1.9558 | 7.5200 | 24.496 | 7.4446 | 400.13 | 4.7610 | 4.9391 | 10.4260 |
| | 22 | 1.9558 | 7.5234 | 24.514 | 7.4443 | 398.30 | 4.7508 | 4.9321 | 10.4328 |
| | 25 | 1.9558 | 7.5195 | 24.535 | 7.4449 | 396.50 | 4.7080 | 4.9339 | 10.3973 |
| | 26 | 1.9558 | 7.5145 | 24.607 | 7.4449 | 400.99 | 4.7420 | 4.9324 | 10.4445 |
| | 27 | 1.9558 | 7.5140 | 24.575 | 7.4446 | 404.67 | 4.7978 | 4.9334 | 10.4545 |
| | 28 | 1.9558 | 7.5200 | 24.609 | 7.4442 | 407.30 | 4.7908 | 4.9342 | 10.4490 |
| | 29 | 1.9558 | 7.5180 | 24.610 | 7.4438 | 404.80 | 4.7375 | 4.9343 | 10.3875 |
| | Aug. 1 | 1.9558 | 7.5210 | 24.628 | 7.4457 | 401.35 | 4.7340 | 4.9283 | 10.3668 |
| | 2 | 1.9558 | 7.5195 | 24.644 | 7.4432 | 396.82 | 4.7063 | 4.9298 | 10.3995 |
| | 3 | 1.9558 | 7.5178 | 24.650 | 7.4427 | 395.03 | 4.6910 | 4.9245 | 10.3913 |
| | 4 | 1.9558 | 7.5150 | 24.659 | 7.4425 | 395.98 | 4.7233 | 4.9261 | 10.3740 |
| | 5 | 1.9558 | 7.5148 | 24.581 | 7.4415 | 393.78 | 4.7085 | 4.9251 | 10.3573 |
| | 8 | 1.9558 | 7.5123 | 24.515 | 7.4405 | 394.27 | 4.7043 | 4.9163 | 10.3650 |
| | 9 | 1.9558 | 7.5140 | 24.532 | 7.4407 | 397.35 | 4.7085 | 4.9038 | 10.3875 |
| | 10 | 1.9558 | 7.5158 | 24.397 | 7.4397 | 397.65 | 4.7063 | 4.9138 | 10.3773 |
| | 11 | 1.9558 | 7.5150 | 24.346 | 7.4395 | 394.18 | 4.6828 | 4.9055 | 10.3600 |
| | 12 | 1.9558 | 7.5138 | 24.380 | 7.4395 | 392.30 | 4.6773 | 4.8915 | 10.4515 |

| | | Other European and non-European countries | | | | | | | |
|--------|---------|---|-----------------------|------------------------|------------------------|-------------------------|------------------------|---------------------|--------------------------|
| | | Australia | Brazil | Canada | China | Hong Kong | Iceland | India | Indonesia |
| Period | | Australian dollar AUD | Brazilian real BRL | Canadian dollar CAD | Yuan (renminbi) CNY | Hong Kong dollar HKD | Icelandic krona ISK | Indian rupee INR | Indonesian rupiah IDR |
| 2021 | July | 1.6133 | 6.0716 | 1.4791 | 7.6838 | 9.2451 | 146.60 | 88.3941 | 17,184.46 |
| | Aug. | 1.6156 | 6.1386 | 1.4896 | 7.6465 | 9.2086 | 149.60 | 86.3850 | 16,879.69 |
| | Sep. | 1.6095 | 6.2631 | 1.4750 | 7.4847 | 9.0184 | 150.90 | 86.0766 | 16,572.03 |
| | Oct. | 1.5455 | 6.5698 | 1.4383 | 7.4488 | 9.0563 | 149.80 | 87.1830 | 16,556.28 |
| | Nov. | 1.5898 | 6.3762 | 1.4518 | 7.2395 | 8.8601 | 147.00 | 85.3274 | 16,277.55 |
| | Dec. | 1.5615 | 6.3101 | 1.4393 | 7.1947 | 8.8333 | 147.60 | 84.2292 | 16,100.42 |
| 2022 | Jan. | 1.5820 | 6.0030 | 1.4233 | 7.0963 | 8.6994 | 143.20 | 83.3655 | 16,036.76 |
| | Feb. | 1.5508 | 5.7828 | 1.4264 | 7.0670 | 8.7514 | 141.80 | 84.5540 | 16,100.72 |
| | Mar. | 1.4829 | 5.3009 | 1.3896 | 7.0403 | 8.6918 | 142.00 | 84.1340 | 15,947.00 |
| | Apr. | 1.4699 | 5.1608 | 1.3426 | 6.9441 | 8.2703 | 137.80 | 80.6380 | 15,301.52 |
| | May | 1.4933 | 5.0965 | 1.3573 | 7.1402 | 8.4063 | 136.30 | 83.2310 | 15,580.15 |
| | June | 1.5099 | 5.4229 | 1.3425 | 6.9624 | 8.1493 | 138.90 | 82.1130 | 15,552.00 |
| | July | 1.4646 | 5.2739 | 1.3100 | 6.8705 | 8.0054 | 138.30 | 80.8820 | 15,155.56 |
| 2022 | July 18 | 1.4839 | 5.4505 | 1.3151 | 6.8266 | 7.9528 | 138.90 | 81.0340 | 15,157.63 |
| | 19 | 1.4869 | 5.5454 | 1.3264 | 6.9064 | 8.0423 | 138.90 | 81.8980 | 15,344.49 |
| | 20 | 1.4767 | 5.5427 | 1.3132 | 6.8892 | 8.0062 | 139.50 | 81.5990 | 15,275.82 |
| | 21 | 1.4848 | 5.5777 | 1.3178 | 6.9040 | 8.0056 | 139.70 | 81.4510 | 15,342.25 |
| | 22 | 1.4677 | 5.5821 | 1.3105 | 6.8852 | 7.9985 | 139.50 | 81.3840 | 15,275.69 |
| | 25 | 1.4707 | 5.5976 | 1.3168 | 6.9094 | 8.0345 | 139.50 | 81.6675 | 15,303.87 |
| | 26 | 1.4605 | 5.4437 | 1.3035 | 6.8451 | 7.9466 | 139.10 | 80.8050 | 15,185.27 |
| | 27 | 1.4620 | 5.4039 | 1.3049 | 6.8534 | 7.9692 | 139.10 | 81.1350 | 15,213.07 |
| | 28 | 1.4535 | 5.3300 | 1.2986 | 6.8325 | 7.9456 | 138.70 | 80.6535 | 15,107.59 |
| | 29 | 1.4646 | 5.2739 | 1.3100 | 6.8705 | 8.0054 | 138.30 | 80.8820 | 15,155.56 |
| | Aug. 1 | 1.4535 | 5.2723 | 1.3076 | 6.9105 | 8.0329 | 138.70 | 80.9335 | 15,203.21 |
| | 2 | 1.4745 | 5.3175 | 1.3150 | 6.9117 | 8.0257 | 139.30 | 80.3243 | 15,204.85 |
| | 3 | 1.4681 | 5.3547 | 1.3085 | 6.8830 | 8.0022 | 139.30 | 80.6895 | 15,184.35 |
| | 4 | 1.4607 | 5.3614 | 1.3070 | 6.8769 | 7.9919 | 138.70 | 80.7715 | 15,200.94 |
| | 5 | 1.4713 | 5.3348 | 1.3185 | 6.9068 | 8.0328 | 138.90 | 81.0469 | 15,236.20 |
| | 8 | 1.4607 | 5.2380 | 1.3134 | 6.8931 | 8.0061 | 140.10 | 81.1660 | 15,147.65 |
| | 9 | 1.4687 | 5.2478 | 1.3163 | 6.9106 | 8.0334 | 140.10 | 81.4060 | 15,197.09 |
| | 10 | 1.4682 | 5.2510 | 1.3207 | 6.9222 | 8.0460 | 139.70 | 81.4680 | 15,218.87 |
| | 11 | 1.4532 | 5.2447 | 1.3202 | 6.9668 | 8.1118 | 139.70 | 82.2845 | 15,215.93 |
| | 12 | 1.4496 | 5.3007 | 1.3148 | 6.9352 | 8.0600 | 140.30 | 81.9935 | 15,104.20 |

* See Explanatory notes, p. 48.

II. Euro foreign exchange reference rates of the European Central Bank *

1. End-of-month and daily rates (cont'd)

EUR 1 = CU ...

| Other European and non-European countries (cont'd) | | | | | | | | | | |
|--|-----------------------------|------------------------------|---|--------------------------------------|-------------------------------|--|----------------------------------|---------------------------------------|--|--|
| Period | Israel New shekel ILS | Japan Japanese yen JPY | Korea, Republic of South Korean won KRW | Malaysia Malaysian ringgit MYR | Mexico Mexican peso MXN | New Zealand New Zealand dollar NZD | Norway Norwegian krone NOK | Philippines Philippine peso PHP | | |
| 2021 July | 3.8403 | 130.39 | 1,368.74 | 5.0180 | 23.6277 | 1.6990 | 10.4405 | 59.479 | | |
| Aug. | 3.7951 | 129.95 | 1,370.03 | 4.9194 | 23.7864 | 1.6760 | 10.2600 | 58.765 | | |
| Sep. | 3.7363 | 129.67 | 1,371.58 | 4.8475 | 23.7439 | 1.6858 | 10.1650 | 59.066 | | |
| Oct. | 3.6670 | 132.62 | 1,362.92 | 4.8222 | 23.8048 | 1.6255 | 9.7495 | 58.654 | | |
| Nov. | 3.5887 | 128.20 | 1,350.29 | 4.7753 | 24.5059 | 1.6644 | 10.2795 | 57.271 | | |
| Dec. | 3.5159 | 130.38 | 1,346.38 | 4.7184 | 23.1438 | 1.6579 | 9.9888 | 57.763 | | |
| 2022 Jan. | 3.5640 | 128.79 | 1,349.08 | 4.6693 | 23.1856 | 1.6983 | 10.0085 | 56.985 | | |
| Feb. | 3.6300 | 129.31 | 1,347.62 | 4.7019 | 22.9011 | 1.6628 | 9.9465 | 57.432 | | |
| Mar. | 3.5243 | 135.17 | 1,347.37 | 4.6677 | 22.0903 | 1.6014 | 9.7110 | 57.514 | | |
| Apr. | 3.4993 | 137.01 | 1,326.71 | 4.5886 | 21.4181 | 1.6119 | 9.7525 | 55.200 | | |
| May | 3.5746 | 137.36 | 1,329.32 | 4.6907 | 20.9870 | 1.6459 | 10.0983 | 56.323 | | |
| June | 3.6392 | 141.54 | 1,351.60 | 4.5781 | 20.9641 | 1.6705 | 10.3485 | 57.150 | | |
| July | 3.4714 | 136.42 | 1,329.40 | 4.5386 | 20.6745 | 1.6283 | 9.8773 | 56.375 | | |
| 2022 July 18 | 3.5004 | 140.16 | 1,333.33 | 4.5113 | 20.7095 | 1.6432 | 10.2553 | 57.056 | | |
| 19 | 3.5295 | 141.01 | 1,340.33 | 4.5590 | 20.8552 | 1.6456 | 10.1760 | 57.583 | | |
| 20 | 3.5147 | 140.92 | 1,337.61 | 4.5406 | 20.8967 | 1.6308 | 10.1323 | 57.398 | | |
| 21 | 3.5203 | 141.46 | 1,337.47 | 4.5457 | 20.9410 | 1.6479 | 10.1750 | 57.512 | | |
| 22 | 3.5083 | 139.51 | 1,335.66 | 4.5366 | 20.9595 | 1.6265 | 10.1498 | 57.240 | | |
| 25 | 3.5201 | 139.84 | 1,341.25 | 4.5586 | 20.9376 | 1.6325 | 10.0704 | 57.209 | | |
| 26 | 3.4891 | 138.35 | 1,326.65 | 4.5113 | 20.7845 | 1.6235 | 10.0105 | 56.160 | | |
| 27 | 3.4855 | 138.89 | 1,333.99 | 4.5263 | 20.7530 | 1.6306 | 9.9558 | 56.455 | | |
| 28 | 3.4701 | 137.26 | 1,320.45 | 4.5071 | 20.6760 | 1.6172 | 9.8983 | 56.592 | | |
| 29 | 3.4714 | 136.42 | 1,329.40 | 4.5386 | 20.6745 | 1.6283 | 9.8773 | 56.375 | | |
| Aug. 1 | 3.4546 | 135.38 | 1,333.30 | 4.5568 | 20.7635 | 1.6160 | 9.8638 | 56.734 | | |
| 2 | 3.4486 | 133.90 | 1,339.16 | 4.5531 | 20.9520 | 1.6254 | 9.9305 | 56.834 | | |
| 3 | 3.4362 | 136.18 | 1,336.03 | 4.5435 | 21.0788 | 1.6266 | 9.8743 | 56.855 | | |
| 4 | 3.4101 | 135.81 | 1,333.70 | 4.5387 | 20.7560 | 1.6172 | 9.9065 | 56.633 | | |
| 5 | 3.4033 | 136.22 | 1,324.53 | 4.5598 | 20.8367 | 1.6248 | 9.9820 | 56.524 | | |
| 8 | 3.3895 | 137.62 | 1,329.93 | 4.5477 | 20.6810 | 1.6202 | 9.9405 | 56.554 | | |
| 9 | 3.3865 | 138.26 | 1,336.74 | 4.5592 | 20.7145 | 1.6304 | 9.9365 | 56.939 | | |
| 10 | 3.3773 | 138.16 | 1,344.16 | 4.5693 | 20.7130 | 1.6211 | 9.9118 | 57.061 | | |
| 11 | 3.3505 | 136.57 | 1,344.62 | 4.5952 | 20.6398 | 1.6045 | 9.8040 | 57.225 | | |
| 12 | 3.3450 | 137.47 | 1,342.59 | 4.5709 | 20.4925 | 1.5985 | 9.8130 | 57.246 | | |

| Other European and non-European countries (cont'd) | | | | | | | | | | |
|--|---|--------------------------------------|---|-----------------------------------|------------------------------|-------------------------------|---|-----------------------------------|--|--|
| Period | Russian Federation Russian rouble RUB 1 | Singapore Singapore dollar SGD | South Africa South African rand ZAR | Switzerland Swiss franc CHF | Thailand Thai baht THB | Turkey Turkish lira TRY | United Kingdom Pound sterling GBP | United States US dollar USD | | |
| 2021 July | 86.7116 | 1.6090 | 17.3283 | 1.0771 | 39.098 | 9.9985 | 0.85140 | 1.1891 | | |
| Aug. | 86.7600 | 1.5897 | 17.2282 | 1.0799 | 38.129 | 9.8310 | 0.85875 | 1.1834 | | |
| Sep. | 84.3391 | 1.5760 | 17.5629 | 1.0830 | 39.235 | 10.2981 | 0.86053 | 1.1579 | | |
| Oct. | 82.3284 | 1.5676 | 17.7447 | 1.0611 | 38.720 | 11.1393 | 0.84490 | 1.1645 | | |
| Nov. | 84.6123 | 1.5521 | 18.2269 | 1.0430 | 38.282 | 14.9342 | 0.85173 | 1.1363 | | |
| Dec. | 85.3004 | 1.5279 | 18.0625 | 1.0331 | 37.653 | 15.2335 | 0.84028 | 1.1326 | | |
| 2022 Jan. | 86.7251 | 1.5110 | 17.3734 | 1.0404 | 37.144 | 14.9310 | 0.83153 | 1.1156 | | |
| Feb. | 115.4842 | 1.5201 | 17.2863 | 1.0336 | 36.593 | 15.4532 | 0.83550 | 1.1199 | | |
| Mar. | – | 1.5028 | 16.1727 | 1.0267 | 36.911 | 16.2823 | 0.84595 | 1.1101 | | |
| Apr. | – | 1.4545 | 16.6473 | 1.0229 | 36.026 | 15.6385 | 0.83908 | 1.0540 | | |
| May | – | 1.4687 | 16.7450 | 1.0281 | 36.751 | 17.5817 | 0.85138 | 1.0713 | | |
| June | – | 1.4483 | 17.0143 | 0.9960 | 36.754 | 17.3220 | 0.85820 | 1.0387 | | |
| July | – | 1.4088 | 16.8627 | 0.9744 | 36.978 | 18.2472 | 0.83990 | 1.0198 | | |
| 2022 July 18 | – | 1.4153 | 17.3830 | 0.9911 | 37.130 | 17.7225 | 0.84708 | 1.0131 | | |
| 19 | – | 1.4269 | 17.4570 | 0.9918 | 37.492 | 18.0180 | 0.85303 | 1.0245 | | |
| 20 | – | 1.4204 | 17.3924 | 0.9896 | 37.405 | 17.9444 | 0.85178 | 1.0199 | | |
| 21 | – | 1.4218 | 17.5195 | 0.9924 | 37.660 | 18.0327 | 0.85545 | 1.0199 | | |
| 22 | – | 1.4151 | 17.2009 | 0.9832 | 37.392 | 18.0940 | 0.85141 | 1.0190 | | |
| 25 | – | 1.4176 | 17.1502 | 0.9869 | 37.525 | 18.2653 | 0.84813 | 1.0236 | | |
| 26 | – | 1.4066 | 17.0870 | 0.9765 | 37.180 | 18.0705 | 0.84558 | 1.0124 | | |
| 27 | – | 1.4088 | 17.1347 | 0.9768 | 37.400 | 18.1859 | 0.84138 | 1.0152 | | |
| 28 | – | 1.4009 | 17.0011 | 0.9745 | 37.097 | 18.1417 | 0.83586 | 1.0122 | | |
| 29 | – | 1.4088 | 16.8627 | 0.9744 | 36.978 | 18.2472 | 0.83990 | 1.0198 | | |
| Aug. 1 | – | 1.4087 | 16.8613 | 0.9717 | 36.977 | 18.3475 | 0.83700 | 1.0233 | | |
| 2 | – | 1.4103 | 16.9820 | 0.9744 | 36.914 | 18.3564 | 0.83665 | 1.0224 | | |
| 3 | – | 1.4069 | 17.1283 | 0.9773 | 36.963 | 18.3112 | 0.83629 | 1.0194 | | |
| 4 | – | 1.4037 | 17.0352 | 0.9765 | 36.606 | 18.2922 | 0.84231 | 1.0181 | | |
| 5 | – | 1.4077 | 17.0342 | 0.9776 | 36.373 | 18.3853 | 0.84268 | 1.0233 | | |
| 8 | – | 1.4058 | 16.9694 | 0.9763 | 36.380 | 18.3175 | 0.84165 | 1.0199 | | |
| 9 | – | 1.4110 | 17.0500 | 0.9763 | 36.264 | 18.3342 | 0.84520 | 1.0234 | | |
| 10 | – | 1.4107 | 16.8788 | 0.9713 | 36.420 | 18.4099 | 0.84608 | 1.0252 | | |
| 11 | – | 1.4151 | 16.7083 | 0.9712 | 36.343 | 18.5674 | 0.84575 | 1.0338 | | |
| 12 | – | 1.4106 | 16.7318 | 0.9689 | 36.393 | 18.4733 | 0.84715 | 1.0285 | | |

* See Explanatory notes, p. 48. 1 The ECB has suspended the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

II. Euro foreign exchange reference rates of the European Central Bank *

2. Annual and monthly averages +

EUR 1 = CU ...

| EU member countries | | | | | | | | |
|---------------------|----------------------|-------------|---------------------|---------------------|-------------------------|---------------------|---------------------|----------------------|
| | Bulgaria | Croatia | Czechia | Denmark | Hungary | Poland | Romania | Sweden |
| Period | Bulgarian lev BGN | Kuna HRK | Czech koruna CZK | Danish krone DKK | Hungarian forint HUF | Polish zloty PLN | Romanian leu RON | Swedish krona SEK |
| 2020 | 1.9558 | 7.5384 | 26.455 | 7.4542 | 351.25 | 4.4430 | 4.8383 | 10.4848 |
| 2021 | 1.9558 | 7.5284 | 25.640 | 7.4370 | 358.52 | 4.5652 | 4.9215 | 10.1465 |
| 2020 June | 1.9558 | 7.5682 | 26.681 | 7.4548 | 347.69 | 4.4450 | 4.8392 | 10.4869 |
| July | 1.9558 | 7.5296 | 26.514 | 7.4467 | 351.16 | 4.4493 | 4.8383 | 10.3538 |
| Aug. | 1.9558 | 7.5077 | 26.167 | 7.4460 | 348.93 | 4.3995 | 4.8376 | 10.3087 |
| Sep. | 1.9558 | 7.5417 | 26.741 | 7.4418 | 360.61 | 4.4727 | 4.8602 | 10.4279 |
| Oct. | 1.9558 | 7.5746 | 27.213 | 7.4424 | 362.53 | 4.5414 | 4.8747 | 10.3967 |
| Nov. | 1.9558 | 7.5623 | 26.466 | 7.4459 | 359.84 | 4.4949 | 4.8704 | 10.2311 |
| Dec. | 1.9558 | 7.5417 | 26.311 | 7.4412 | 359.02 | 4.4786 | 4.8703 | 10.1736 |
| 2021 Jan. | 1.9558 | 7.5653 | 26.141 | 7.4387 | 359.19 | 4.5333 | 4.8732 | 10.0952 |
| Feb. | 1.9558 | 7.5729 | 25.876 | 7.4367 | 358.15 | 4.4968 | 4.8750 | 10.0887 |
| Mar. | 1.9558 | 7.5783 | 26.178 | 7.4363 | 365.61 | 4.5991 | 4.8884 | 10.1692 |
| Apr. | 1.9558 | 7.5679 | 25.924 | 7.4367 | 360.58 | 4.5615 | 4.9231 | 10.1620 |
| May | 1.9558 | 7.5226 | 25.558 | 7.4362 | 353.65 | 4.5281 | 4.9250 | 10.1471 |
| June | 1.9558 | 7.4980 | 25.454 | 7.4364 | 349.94 | 4.5005 | 4.9238 | 10.1172 |
| July | 1.9558 | 7.5027 | 25.636 | 7.4373 | 357.26 | 4.5616 | 4.9255 | 10.1979 |
| Aug. | 1.9558 | 7.4960 | 25.470 | 7.4369 | 351.84 | 4.5687 | 4.9232 | 10.2157 |
| Sep. | 1.9558 | 7.4924 | 25.392 | 7.4361 | 352.51 | 4.5681 | 4.9471 | 10.1710 |
| Oct. | 1.9558 | 7.5135 | 25.496 | 7.4398 | 360.82 | 4.5909 | 4.9480 | 10.0557 |
| Nov. | 1.9558 | 7.5195 | 25.391 | 7.4373 | 364.50 | 4.6462 | 4.9494 | 10.0459 |
| Dec. | 1.9558 | 7.5201 | 25.246 | 7.4362 | 367.50 | 4.6137 | 4.9492 | 10.2726 |
| 2022 Jan. | 1.9558 | 7.5247 | 24.470 | 7.4411 | 358.68 | 4.5522 | 4.9454 | 10.3579 |
| Feb. | 1.9558 | 7.5338 | 24.437 | 7.4408 | 356.97 | 4.5487 | 4.9458 | 10.5342 |
| Mar. | 1.9558 | 7.5711 | 25.007 | 7.4404 | 376.64 | 4.7522 | 4.9482 | 10.5463 |
| Apr. | 1.9558 | 7.5577 | 24.435 | 7.4391 | 374.87 | 4.6485 | 4.9442 | 10.3175 |
| May | 1.9558 | 7.5356 | 24.750 | 7.4405 | 384.45 | 4.6485 | 4.9460 | 10.4956 |
| June | 1.9558 | 7.5252 | 24.719 | 7.4392 | 396.66 | 4.6471 | 4.9444 | 10.6005 |
| July | 1.9558 | 7.5185 | 24.594 | 7.4426 | 404.10 | 4.7682 | 4.9396 | 10.5752 |

| Other European and non-European countries | | | | | | | | |
|---|--------------------------|-----------------------|------------------------|------------------------|-------------------------|------------------------|---------------------|--------------------------|
| | Australia | Brazil | Canada | China | Hong Kong | Iceland | India | Indonesia |
| | Australian dollar AUD | Brazilian real BRL | Canadian dollar CAD | Yuan (renminbi) CNY | Hong Kong dollar HKD | Icelandic krona ISK | Indian rupee INR | Indonesian rupiah IDR |
| 2020 | 1.6549 | 5.8943 | 1.5300 | 7.8747 | 8.8587 | 154.59 | 84.6392 | 16,627.37 |
| 2021 | 1.5749 | 6.3779 | 1.4826 | 7.6282 | 9.1932 | 150.15 | 87.4392 | 16,920.72 |
| 2020 June | 1.6322 | 5.8377 | 1.5254 | 7.9734 | 8.7226 | 152.71 | 85.2212 | 15,987.12 |
| July | 1.6304 | 6.0590 | 1.5481 | 8.0352 | 8.8854 | 158.49 | 85.8847 | 16,659.27 |
| Aug. | 1.6433 | 6.4381 | 1.5654 | 8.1954 | 9.1671 | 161.77 | 88.2309 | 17,402.53 |
| Sep. | 1.6307 | 6.3663 | 1.5586 | 8.0333 | 9.1393 | 162.69 | 86.7266 | 17,491.99 |
| Oct. | 1.6521 | 6.6170 | 1.5559 | 7.9225 | 9.1262 | 163.65 | 86.5891 | 17,348.27 |
| Nov. | 1.6266 | 6.4324 | 1.5472 | 7.8152 | 9.1775 | 161.90 | 87.8553 | 16,824.32 |
| Dec. | 1.6166 | 6.2658 | 1.5595 | 7.9602 | 9.4341 | 155.13 | 89.6081 | 17,226.83 |
| 2021 Jan. | 1.5764 | 6.5102 | 1.5494 | 7.8730 | 9.4362 | 156.48 | 88.9936 | 17,111.98 |
| Feb. | 1.5605 | 6.5434 | 1.5354 | 7.8136 | 9.3794 | 155.26 | 88.0756 | 17,002.56 |
| Mar. | 1.5444 | 6.7247 | 1.4970 | 7.7465 | 9.2400 | 151.51 | 86.6550 | 17,135.25 |
| Apr. | 1.5544 | 6.6565 | 1.4975 | 7.8051 | 9.3064 | 150.75 | 89.4210 | 17,414.37 |
| May | 1.5653 | 6.4462 | 1.4732 | 7.8109 | 9.4317 | 149.66 | 88.9171 | 17,393.13 |
| June | 1.5761 | 6.0693 | 1.4713 | 7.7391 | 9.3507 | 146.84 | 88.6298 | 17,295.86 |
| July | 1.5926 | 6.0930 | 1.4806 | 7.6536 | 9.1862 | 147.10 | 88.1134 | 17,148.30 |
| Aug. | 1.6118 | 6.1884 | 1.4827 | 7.6237 | 9.1633 | 148.45 | 87.2573 | 16,926.94 |
| Sep. | 1.6087 | 6.1966 | 1.4910 | 7.6007 | 9.1583 | 150.96 | 86.6330 | 16,781.39 |
| Oct. | 1.5669 | 6.4204 | 1.4436 | 7.4500 | 9.0257 | 149.66 | 86.9571 | 16,450.02 |
| Nov. | 1.5615 | 6.3434 | 1.4339 | 7.2927 | 8.8922 | 149.16 | 85.0038 | 16,298.12 |
| Dec. | 1.5781 | 6.3841 | 1.4463 | 7.1993 | 8.8155 | 147.15 | 85.1762 | 16,184.17 |
| 2022 Jan. | 1.5770 | 6.2673 | 1.4282 | 7.1922 | 8.8166 | 146.09 | 84.2273 | 16,227.12 |
| Feb. | 1.5825 | 5.8903 | 1.4422 | 7.1957 | 8.8461 | 141.99 | 85.0312 | 16,271.78 |
| Mar. | 1.4946 | 5.4884 | 1.3950 | 6.9916 | 8.6199 | 143.39 | 83.9933 | 15,802.12 |
| Apr. | 1.4663 | 5.1342 | 1.3652 | 6.9605 | 8.4828 | 139.83 | 82.4033 | 15,566.64 |
| May | 1.4995 | 5.2460 | 1.3588 | 7.0830 | 8.3030 | 138.46 | 81.7828 | 15,422.62 |
| June | 1.5044 | 5.3209 | 1.3537 | 7.0734 | 8.2922 | 138.47 | 82.5112 | 15,531.74 |
| July | 1.4856 | 5.4718 | 1.3180 | 6.8538 | 7.9895 | 139.05 | 81.0182 | 15,258.22 |

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

II. Euro foreign exchange reference rates of the European Central Bank *

2. Annual and monthly averages + (cont'd)

EUR 1 = CU ...

| Other European and non-European countries (cont'd) | | | | | | | | |
|--|-------------------|---------------------|-------------------------|--------------------------|---------------------|---------------------------|------------------------|------------------------|
| | Israel | Japan | Korea, Republic of | Malaysia | Mexico | New Zealand | Norway | Philippines |
| Period | New shekel ILS | Japanese yen JPY | South Korean won KRW | Malaysian ringgit MYR | Mexican peso MXN | New Zealand dollar NZD | Norwegian krone NOK | Philippine peso PHP |
| 2020 | 3.9258 | 121.85 | 1,345.58 | 4.7959 | 24.5194 | 1.7561 | 10.7228 | 56.615 |
| 2021 | 3.8208 | 129.88 | 1,354.06 | 4.9015 | 23.9852 | 1.6724 | 10.1633 | 58.299 |
| 2020 June | 3.8893 | 121.12 | 1,358.75 | 4.8118 | 25.0828 | 1.7473 | 10.7298 | 56.333 |
| July | 3.9331 | 122.38 | 1,374.16 | 4.8878 | 25.6999 | 1.7406 | 10.6544 | 56.619 |
| Aug. | 4.0214 | 125.40 | 1,403.44 | 4.9506 | 26.2544 | 1.7931 | 10.5797 | 57.682 |
| Sep. | 4.0350 | 124.50 | 1,388.68 | 4.8935 | 25.5361 | 1.7681 | 10.7769 | 57.223 |
| Oct. | 3.9966 | 123.89 | 1,347.03 | 4.8891 | 25.0613 | 1.7736 | 10.9220 | 57.107 |
| Nov. | 3.9773 | 123.61 | 1,319.66 | 4.8673 | 24.1554 | 1.7237 | 10.7453 | 57.127 |
| Dec. | 3.9513 | 126.28 | 1,332.54 | 4.9363 | 24.2914 | 1.7161 | 10.6008 | 58.527 |
| 2021 Jan. | 3.9249 | 126.31 | 1,338.64 | 4.9154 | 24.2483 | 1.6924 | 10.3661 | 58.498 |
| Feb. | 3.9581 | 127.49 | 1,345.06 | 4.8944 | 24.5557 | 1.6702 | 10.2791 | 58.401 |
| Mar. | 3.9402 | 129.38 | 1,345.58 | 4.8907 | 24.7451 | 1.6686 | 10.1469 | 57.783 |
| Apr. | 3.9205 | 130.49 | 1,337.96 | 4.9358 | 24.0005 | 1.6788 | 10.0376 | 58.067 |
| May | 3.9623 | 132.57 | 1,364.47 | 5.0142 | 24.2682 | 1.6817 | 10.0931 | 58.222 |
| June | 3.9179 | 132.63 | 1,352.47 | 4.9808 | 24.1066 | 1.6944 | 10.1444 | 58.040 |
| July | 3.8668 | 130.35 | 1,354.46 | 4.9680 | 23.6101 | 1.6933 | 10.3767 | 59.264 |
| Aug. | 3.7942 | 129.28 | 1,366.74 | 4.9660 | 23.6237 | 1.6872 | 10.4195 | 59.088 |
| Sep. | 3.7744 | 129.66 | 1,380.51 | 4.9054 | 23.5675 | 1.6676 | 10.1861 | 59.115 |
| Oct. | 3.7292 | 131.21 | 1,371.23 | 4.8307 | 23.7308 | 1.6452 | 9.8143 | 58.835 |
| Nov. | 3.5588 | 130.12 | 1,351.74 | 4.7695 | 23.8113 | 1.6261 | 9.9661 | 57.473 |
| Dec. | 3.5426 | 128.80 | 1,338.49 | 4.7599 | 23.6159 | 1.6649 | 10.1308 | 56.917 |
| 2022 Jan. | 3.5487 | 130.01 | 1,353.61 | 4.7405 | 23.1891 | 1.6789 | 10.0070 | 58.000 |
| Feb. | 3.6452 | 130.66 | 1,358.53 | 4.7492 | 23.1808 | 1.6982 | 10.0544 | 58.163 |
| Mar. | 3.5710 | 130.71 | 1,345.66 | 4.6277 | 22.6476 | 1.6049 | 9.7367 | 57.415 |
| Apr. | 3.5106 | 136.61 | 1,337.58 | 4.6208 | 21.7206 | 1.5978 | 9.6191 | 56.264 |
| May | 3.5758 | 136.24 | 1,340.10 | 4.6344 | 21.1861 | 1.6515 | 10.1453 | 55.421 |
| June | 3.6038 | 141.57 | 1,351.47 | 4.6496 | 21.1240 | 1.6640 | 10.2972 | 56.756 |
| July | 3.5309 | 139.17 | 1,332.00 | 4.5197 | 20.8955 | 1.6436 | 10.1823 | 56.917 |

| Other European and non-European countries (cont'd) | | | | | | | | |
|--|-------------------------|-------------------------|---------------------------|--------------------|------------------|---------------------|-----------------------|------------------|
| | Russian Federation | Singapore | South Africa | Switzerland | Thailand | Turkey | United Kingdom | United States |
| | Russian rouble RUB 1 | Singapore dollar SGD | South African rand ZAR | Swiss franc CHF | Thai baht THB | Turkish lira TRY | Pound sterling GBP | US dollar USD |
| 2020 | 82.7248 | 1.5742 | 18.7655 | 1.0705 | 35.708 | 8.0547 | 0.88970 | 1.1422 |
| 2021 | 87.1527 | 1.5891 | 17.4766 | 1.0811 | 37.837 | 10.5124 | 0.85960 | 1.1827 |
| 2020 June | 78.0103 | 1.5686 | 19.2726 | 1.0712 | 35.077 | 7.6807 | 0.89878 | 1.1255 |
| July | 82.0171 | 1.5906 | 19.2174 | 1.0711 | 36.014 | 7.8843 | 0.90467 | 1.1463 |
| Aug. | 87.3520 | 1.6195 | 20.3836 | 1.0767 | 36.911 | 8.6144 | 0.90081 | 1.1828 |
| Sep. | 89.5997 | 1.6104 | 19.7338 | 1.0786 | 36.997 | 8.9084 | 0.90947 | 1.1792 |
| Oct. | 91.4320 | 1.6008 | 19.3657 | 1.0739 | 36.796 | 9.3701 | 0.90741 | 1.1775 |
| Nov. | 91.0097 | 1.5944 | 18.4019 | 1.0785 | 36.041 | 9.4522 | 0.89605 | 1.1838 |
| Dec. | 90.2398 | 1.6218 | 18.1286 | 1.0814 | 36.610 | 9.3817 | 0.90624 | 1.2170 |
| 2021 Jan. | 90.5697 | 1.6140 | 18.4295 | 1.0794 | 36.528 | 9.0059 | 0.89267 | 1.2171 |
| Feb. | 89.9554 | 1.6060 | 17.8629 | 1.0858 | 36.307 | 8.5785 | 0.87268 | 1.2098 |
| Mar. | 88.6326 | 1.5975 | 17.8284 | 1.1065 | 36.632 | 9.1301 | 0.85873 | 1.1899 |
| Apr. | 91.1446 | 1.5975 | 17.2486 | 1.1031 | 37.551 | 9.7936 | 0.86527 | 1.1979 |
| May | 89.8737 | 1.6153 | 17.0766 | 1.0968 | 37.992 | 10.1852 | 0.86258 | 1.2146 |
| June | 87.4561 | 1.6062 | 16.7540 | 1.0940 | 37.873 | 10.3823 | 0.85872 | 1.2047 |
| July | 87.3970 | 1.6019 | 17.1648 | 1.0856 | 38.586 | 10.1587 | 0.85613 | 1.1822 |
| Aug. | 86.6067 | 1.5947 | 17.3827 | 1.0762 | 38.956 | 9.9788 | 0.85287 | 1.1772 |
| Sep. | 85.7740 | 1.5864 | 17.1373 | 1.0857 | 38.919 | 10.0691 | 0.85683 | 1.1770 |
| Oct. | 82.7727 | 1.5673 | 17.2300 | 1.0708 | 38.813 | 10.6809 | 0.84694 | 1.1601 |
| Nov. | 83.1111 | 1.5487 | 17.7055 | 1.0522 | 37.773 | 12.2361 | 0.84786 | 1.1414 |
| Dec. | 83.4913 | 1.5403 | 17.9331 | 1.0408 | 37.931 | 15.4045 | 0.84875 | 1.1304 |
| 2022 Jan. | 86.5552 | 1.5286 | 17.5286 | 1.0401 | 37.607 | 15.3525 | 0.83503 | 1.1314 |
| Feb. | 88.8910 | 1.5274 | 17.2663 | 1.0461 | 37.014 | 15.4901 | 0.83787 | 1.1342 |
| Mar. | - | 1.4972 | 16.5138 | 1.0245 | 36.648 | 16.1233 | 0.83638 | 1.1019 |
| Apr. | - | 1.4775 | 16.2796 | 1.0211 | 36.559 | 15.9311 | 0.83655 | 1.0819 |
| May | - | 1.4621 | 16.8131 | 1.0355 | 36.392 | 16.5412 | 0.84969 | 1.0579 |
| June | - | 1.4624 | 16.6961 | 1.0245 | 36.928 | 17.9599 | 0.85759 | 1.0566 |
| July | - | 1.4211 | 17.1606 | 0.9876 | 37.028 | 17.7896 | 0.84955 | 1.0179 |

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 The ECB has suspended

the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

II. Euro foreign exchange reference rates of the European Central Bank *

3. End-of-year rates and annual averages

EUR 1 = CU ...

| Period | EU member countries | | | | | | | | |
|--------|--------------------------|-------------|---------------------|---------------------|----------------------------|----------------------------|-----------------------|------------------------------|---------------------|
| | Bulgaria | Croatia | Czechia | Denmark | Estonia | Hungary | Latvia | Lithuania | Poland |
| | Bulgarian lev BGN | Kuna HRK | Czech koruna CZK | Danish krone DKK | Estonian kroon EEK 1 | Hungarian forint HUF | Latvian lats LVL 1 | Lithuanian litas LTL 1 | Polish zloty PLN |
| | End of year | | | | | | | | |
| 2008 | 1.9558 | 7.3555 | 26.875 | 7.4506 | 15.6466 | 266.70 | 0.708300 | 3.4528 | 4.1535 |
| 2009 | 1.9558 | 7.3000 | 26.473 | 7.4418 | 15.6466 | 270.42 | 0.709300 | 3.4528 | 4.1045 |
| 2010 | 1.9558 | 7.3830 | 25.061 | 7.4535 | 15.6466 | 277.95 | 0.709400 | 3.4528 | 3.9750 |
| 2011 | 1.9558 | 7.5370 | 25.787 | 7.4342 | – | 314.58 | 0.699500 | 3.4528 | 4.4580 |
| 2012 | 1.9558 | 7.5575 | 25.151 | 7.4610 | – | 292.30 | 0.697700 | 3.4528 | 4.0740 |
| 2013 | 1.9558 | 7.6265 | 27.427 | 7.4593 | – | 297.04 | 0.702804 | 3.4528 | 4.1543 |
| 2014 | 1.9558 | 7.6580 | 27.735 | 7.4453 | – | 315.54 | – | 3.4528 | 4.2732 |
| 2015 | 1.9558 | 7.6380 | 27.023 | 7.4626 | – | 315.98 | – | – | 4.2639 |
| 2016 | 1.9558 | 7.5597 | 27.021 | 7.4344 | – | 309.83 | – | – | 4.4103 |
| 2017 | 1.9558 | 7.4400 | 25.535 | 7.4449 | – | 310.33 | – | – | 4.1770 |
| 2018 | 1.9558 | 7.4125 | 25.724 | 7.4673 | – | 320.98 | – | – | 4.3014 |
| 2019 | 1.9558 | 7.4395 | 25.408 | 7.4715 | – | 330.53 | – | – | 4.2568 |
| 2020 | 1.9558 | 7.5519 | 26.242 | 7.4409 | – | 363.89 | – | – | 4.5597 |
| 2021 | 1.9558 | 7.5156 | 24.858 | 7.4364 | – | 369.19 | – | – | 4.5969 |
| | Annual averages + | | | | | | | | |
| 2008 | 1.9558 | 7.2239 | 24.946 | 7.4560 | 15.6466 | 251.51 | 0.7027 | 3.4528 | 3.5121 |
| 2009 | 1.9558 | 7.3400 | 26.435 | 7.4462 | 15.6466 | 280.33 | 0.7057 | 3.4528 | 4.3276 |
| 2010 | 1.9558 | 7.2891 | 25.284 | 7.4473 | 15.6466 | 275.48 | 0.7087 | 3.4528 | 3.9947 |
| 2011 | 1.9558 | 7.4390 | 24.590 | 7.4506 | – | 279.37 | 0.7063 | 3.4528 | 4.1206 |
| 2012 | 1.9558 | 7.5217 | 25.149 | 7.4437 | – | 289.25 | 0.6973 | 3.4528 | 4.1847 |
| 2013 | 1.9558 | 7.5786 | 25.980 | 7.4579 | – | 296.87 | 0.7015 | 3.4528 | 4.1975 |
| 2014 | 1.9558 | 7.6344 | 27.536 | 7.4548 | – | 308.71 | – | 3.4528 | 4.1843 |
| 2015 | 1.9558 | 7.6137 | 27.279 | 7.4587 | – | 310.00 | – | – | 4.1841 |
| 2016 | 1.9558 | 7.5333 | 27.034 | 7.4452 | – | 311.44 | – | – | 4.3632 |
| 2017 | 1.9558 | 7.4637 | 26.326 | 7.4386 | – | 309.19 | – | – | 4.2570 |
| 2018 | 1.9558 | 7.4182 | 25.647 | 7.4532 | – | 318.89 | – | – | 4.2615 |
| 2019 | 1.9558 | 7.4180 | 25.670 | 7.4661 | – | 325.30 | – | – | 4.2976 |
| 2020 | 1.9558 | 7.5384 | 26.455 | 7.4542 | – | 351.25 | – | – | 4.4430 |
| 2021 | 1.9558 | 7.5284 | 25.640 | 7.4370 | – | 358.52 | – | – | 4.5652 |

| Period | EU member countries (cont'd) | | | Other European and non-European countries | | | | | |
|--------|------------------------------|---------------------------|----------------------|---|-----------------------|---------------------------|------------------------|----------------------------|-----------------------------|
| | Romania | Slovakia | Sweden | Australia | Brazil | Canada | China | Hong Kong | Iceland |
| | Romanian leu RON | Slovak koruna SKK 1 | Swedish krona SEK | Australian dollar AUD | Brazilian real BRL | Canadian dollar CAD | Yuan (renminbi) CNY | Hong Kong dollar HKD | Icelandic krona ISK 2 |
| | End of year | | | | | | | | |
| 2008 | 4.0225 | 30.126 | 10.8700 | 2.0274 | 3.2436 | 1.6998 | 9.4956 | 10.7858 | – |
| 2009 | 4.2363 | – | 10.2520 | 1.6008 | 2.5113 | 1.5128 | 9.8350 | 11.1709 | – |
| 2010 | 4.2620 | – | 8.9655 | 1.3136 | 2.2177 | 1.3322 | 8.8220 | 10.3856 | – |
| 2011 | 4.3233 | – | 8.9120 | 1.2723 | 2.4159 | 1.3215 | 8.1588 | 10.0510 | – |
| 2012 | 4.4445 | – | 8.5820 | 1.2712 | 2.7036 | 1.3137 | 8.2207 | 10.2260 | – |
| 2013 | 4.4710 | – | 8.8591 | 1.5423 | 3.2576 | 1.4671 | 8.3491 | 10.6933 | – |
| 2014 | 4.4828 | – | 9.3930 | 1.4829 | 3.2207 | 1.4063 | 7.5358 | 9.4170 | – |
| 2015 | 4.5240 | – | 9.1895 | 1.4897 | 4.3117 | 1.5116 | 7.0608 | 8.4376 | – |
| 2016 | 4.5390 | – | 9.5525 | 1.4596 | 3.4305 | 1.4188 | 7.3202 | 8.1751 | – |
| 2017 | 4.6585 | – | 9.8438 | 1.5346 | 3.9729 | 1.5039 | 7.8044 | 9.3720 | – |
| 2018 | 4.6635 | – | 10.2548 | 1.6220 | 4.4440 | 1.5605 | 7.8751 | 8.9675 | 133.20 |
| 2019 | 4.7830 | – | 10.4468 | 1.5995 | 4.5157 | 1.4598 | 7.8205 | 8.7473 | 135.80 |
| 2020 | 4.8683 | – | 10.0343 | 1.5896 | 6.3735 | 1.5633 | 8.0225 | 9.5142 | 156.10 |
| 2021 | 4.9490 | – | 10.2503 | 1.5615 | 6.3101 | 1.4393 | 7.1947 | 8.8333 | 147.60 |
| | Annual averages + | | | | | | | | |
| 2008 | 3.6826 | 31.262 | 9.6152 | 1.7416 | 2.6737 | 1.5594 | 10.2236 | 11.4541 | 143.83 |
| 2009 | 4.2399 | – | 10.6191 | 1.7727 | 2.7674 | 1.5850 | 9.5277 | 10.8114 | – |
| 2010 | 4.2122 | – | 9.5373 | 1.4423 | 2.3314 | 1.3651 | 8.9712 | 10.2994 | – |
| 2011 | 4.2391 | – | 9.0298 | 1.3484 | 2.3265 | 1.3761 | 8.9960 | 10.8362 | – |
| 2012 | 4.4593 | – | 8.7041 | 1.2407 | 2.5084 | 1.2842 | 8.1052 | 9.9663 | – |
| 2013 | 4.4190 | – | 8.6515 | 1.3777 | 2.8687 | 1.3684 | 8.1646 | 10.3016 | – |
| 2014 | 4.4437 | – | 9.0985 | 1.4719 | 3.1211 | 1.4661 | 8.1857 | 10.3025 | – |
| 2015 | 4.4454 | – | 9.3535 | 1.4777 | 3.7004 | 1.4186 | 6.9733 | 8.6014 | – |
| 2016 | 4.4904 | – | 9.4689 | 1.4883 | 3.8561 | 1.4659 | 7.3522 | 8.5922 | – |
| 2017 | 4.5688 | – | 9.6351 | 1.4732 | 3.6054 | 1.4647 | 7.6290 | 8.8045 | – |
| 2018 | 4.6540 | – | 10.2583 | 1.5797 | 4.3085 | 1.5294 | 7.8081 | 9.2559 | 127.89 |
| 2019 | 4.7453 | – | 10.5891 | 1.6109 | 4.4134 | 1.4855 | 7.7355 | 8.7715 | 137.28 |
| 2020 | 4.8383 | – | 10.4848 | 1.6549 | 5.8943 | 1.5300 | 7.8747 | 8.8587 | 154.59 |
| 2021 | 4.9215 | – | 10.1465 | 1.5749 | 6.3779 | 1.4826 | 7.6282 | 9.1932 | 150.15 |

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Accession to the euro area, see p. 7 (Table I. 1.). 2 The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018.

II. Euro foreign exchange reference rates of the European Central Bank *

3. End-of-year rates and annual averages (cont'd)

EUR 1 = CU ...

| Other European and non-European countries (cont'd) | | | | | | | | | |
|--|--------------------------|---------------------|---------------------|-------------------------|--------------------------|---------------------|---------------------------|------------------------|---------|
| India | Indonesia | Israel | Japan | Korea, Republic of | Malaysia | Mexico | New Zealand | Norway | |
| Indian rupee INR 1 | Indonesian rupiah IDR | New shekel ILS 2 | Japanese yen JPY | South Korean won KRW | Malaysian ringgit MYR | Mexican peso MXN | New Zealand dollar NZD | Norwegian krone NOK | |
| End of year | | | | | | | | | |
| 2008 | 67.4370 | 15,239.12 | 5.2919 | 126.14 | 1,839.13 | 4.8048 | 19.2333 | 2.4191 | 9.7500 |
| 2009 | 67.0400 | 13,626.13 | 5.4524 | 133.16 | 1,666.97 | 4.9326 | 18.9223 | 1.9803 | 8.3000 |
| 2010 | 59.7580 | 12,002.14 | 4.7321 | 108.65 | 1,499.06 | 4.0950 | 16.5475 | 1.7200 | 7.8000 |
| 2011 | 68.7130 | 11,731.47 | 4.9453 | 100.20 | 1,498.69 | 4.1055 | 18.0512 | 1.6737 | 7.7540 |
| 2012 | 72.5600 | 12,713.97 | 4.9258 | 113.61 | 1,406.23 | 4.0347 | 17.1845 | 1.6045 | 7.3483 |
| 2013 | 85.3660 | 16,764.78 | 4.7880 | 144.72 | 1,450.93 | 4.5221 | 18.0731 | 1.6762 | 8.3630 |
| 2014 | 76.7190 | 15,076.10 | 4.7200 | 145.23 | 1,324.80 | 4.2473 | 17.8679 | 1.5525 | 9.0420 |
| 2015 | 72.0215 | 15,039.99 | 4.2481 | 131.07 | 1,280.78 | 4.6959 | 18.9145 | 1.5923 | 9.6030 |
| 2016 | 71.5935 | 14,173.43 | 4.0477 | 123.40 | 1,269.36 | 4.7287 | 21.7719 | 1.5158 | 9.0863 |
| 2017 | 76.6055 | 16,239.12 | 4.1635 | 135.01 | 1,279.61 | 4.8536 | 23.6612 | 1.6850 | 9.8403 |
| 2018 | 79.7298 | 16,500.00 | 4.2972 | 125.85 | 1,277.93 | 4.7317 | 22.4921 | 1.7056 | 9.9483 |
| 2019 | 80.1870 | 15,595.60 | 3.8845 | 121.94 | 1,296.28 | 4.5953 | 21.2202 | 1.6653 | 9.8638 |
| 2020 | 89.6605 | 17,240.76 | 3.9447 | 126.49 | 1,336.00 | 4.9340 | 24.4160 | 1.6984 | 10.4703 |
| 2021 | 84.2292 | 16,100.42 | 3.5159 | 130.38 | 1,346.38 | 4.7184 | 23.1438 | 1.6579 | 9.9888 |
| Annual averages + | | | | | | | | | |
| 2008 | 63.6143 | 14,165.16 | 5.2561 | 152.45 | 1,606.09 | 4.8893 | 16.2911 | 2.0770 | 8.2237 |
| 2009 | 67.3611 | 14,443.74 | 5.4668 | 130.34 | 1,772.90 | 4.9079 | 18.7989 | 2.2121 | 8.7278 |
| 2010 | 60.5878 | 12,041.70 | 4.9457 | 116.24 | 1,531.82 | 4.2668 | 16.7373 | 1.8377 | 8.0043 |
| 2011 | 64.8859 | 12,206.51 | 4.9775 | 110.96 | 1,541.23 | 4.2558 | 17.2877 | 1.7600 | 7.7934 |
| 2012 | 68.5973 | 12,045.73 | 4.9536 | 102.49 | 1,447.69 | 3.9672 | 16.9029 | 1.5867 | 7.4751 |
| 2013 | 77.9300 | 13,857.50 | 4.7948 | 129.66 | 1,453.91 | 4.1855 | 16.9641 | 1.6206 | 7.8067 |
| 2014 | 81.0406 | 15,748.92 | 4.7449 | 140.31 | 1,398.14 | 4.3446 | 17.6550 | 1.5995 | 8.3544 |
| 2015 | 71.1956 | 14,870.39 | 4.3122 | 134.31 | 1,256.54 | 4.3373 | 17.6157 | 1.5930 | 8.9496 |
| 2016 | 74.3717 | 14,720.83 | 4.2489 | 120.20 | 1,284.18 | 4.5835 | 20.6673 | 1.5886 | 9.2906 |
| 2017 | 73.5324 | 15,118.01 | 4.0622 | 126.71 | 1,276.74 | 4.8527 | 21.3286 | 1.5897 | 9.3270 |
| 2018 | 80.7332 | 16,803.22 | 4.2423 | 130.40 | 1,299.07 | 4.7634 | 22.7054 | 1.7065 | 9.5975 |
| 2019 | 78.8361 | 15,835.27 | 3.9901 | 122.01 | 1,305.32 | 4.6374 | 21.5565 | 1.6998 | 9.8511 |
| 2020 | 84.6392 | 16,627.37 | 3.9258 | 121.85 | 1,345.58 | 4.7959 | 24.5194 | 1.7561 | 10.7228 |
| 2021 | 87.4392 | 16,920.72 | 3.8208 | 129.88 | 1,354.06 | 4.9015 | 23.9852 | 1.6724 | 10.1633 |

| Other European and non-European countries (cont'd) | | | | | | | | | |
|--|-----------------------|-------------------------|---------------------------|--------------------|------------------|-----------------------|-----------------------|------------------|--------|
| Philippines | Russian Federation | Singapore | South Africa | Switzerland | Thailand | Turkey | United Kingdom | United States | |
| Philippine peso PHP | Russian rouble RUB | Singapore dollar SGD | South African rand ZAR | Swiss franc CHF | Thai baht THB | Turkish lira TRY 3 | Pound sterling GBP | US dollar USD | |
| End of year | | | | | | | | | |
| 2008 | 65.930 | 41.2830 | 2.0040 | 13.0667 | 1.4850 | 48.285 | 2.1488 | 0.95250 | 1.3917 |
| 2009 | 66.507 | 43.1540 | 2.0194 | 10.6660 | 1.4836 | 47.986 | 2.1547 | 0.88810 | 1.4406 |
| 2010 | 58.300 | 40.8200 | 1.7136 | 8.8625 | 1.2504 | 40.170 | 2.0694 | 0.86075 | 1.3362 |
| 2011 | 56.754 | 41.7650 | 1.6819 | 10.4830 | 1.2156 | 40.991 | 2.4432 | 0.83530 | 1.2939 |
| 2012 | 54.107 | 40.3295 | 1.6111 | 11.1727 | 1.2072 | 40.347 | 2.3551 | 0.81610 | 1.3194 |
| 2013 | 61.289 | 45.3246 | 1.7414 | 14.5660 | 1.2276 | 45.178 | 2.9605 | 0.83370 | 1.3791 |
| 2014 | 54.436 | 72.3370 | 1.6058 | 14.0353 | 1.2024 | 39.910 | 2.8320 | 0.77890 | 1.2141 |
| 2015 | 50.999 | 80.6736 | 1.5417 | 16.9530 | 1.0835 | 39.248 | 3.1765 | 0.73395 | 1.0887 |
| 2016 | 52.268 | 64.3000 | 1.5234 | 14.4570 | 1.0739 | 37.726 | 3.7072 | 0.85618 | 1.0541 |
| 2017 | 59.795 | 69.3920 | 1.6024 | 14.8054 | 1.1702 | 39.121 | 4.5464 | 0.88723 | 1.1993 |
| 2018 | 60.113 | 79.7153 | 1.5591 | 16.4594 | 1.1269 | 37.052 | 6.0588 | 0.89453 | 1.1450 |
| 2019 | 56.900 | 69.9563 | 1.5111 | 15.7773 | 1.0854 | 33.415 | 6.6843 | 0.85080 | 1.1234 |
| 2020 | 59.125 | 91.4671 | 1.6218 | 18.0219 | 1.0802 | 36.727 | 9.1131 | 0.89903 | 1.2271 |
| 2021 | 57.763 | 85.3004 | 1.5279 | 18.0625 | 1.0331 | 37.653 | 15.2335 | 0.84028 | 1.1326 |
| Annual averages + | | | | | | | | | |
| 2008 | 65.172 | 36.4207 | 2.0762 | 12.0590 | 1.5874 | 48.475 | 1.9064 | 0.79628 | 1.4708 |
| 2009 | 66.338 | 44.1376 | 2.0241 | 11.6737 | 1.5100 | 47.804 | 2.1631 | 0.89094 | 1.3948 |
| 2010 | 59.739 | 40.2629 | 1.8055 | 9.6984 | 1.3803 | 42.014 | 1.9965 | 0.85784 | 1.3257 |
| 2011 | 60.260 | 40.8846 | 1.7489 | 10.0970 | 1.2326 | 42.429 | 2.3378 | 0.86788 | 1.3920 |
| 2012 | 54.246 | 39.9262 | 1.6055 | 10.5511 | 1.2053 | 39.928 | 2.3135 | 0.81087 | 1.2848 |
| 2013 | 56.428 | 42.3370 | 1.6619 | 12.8330 | 1.2311 | 40.830 | 2.5335 | 0.84926 | 1.3281 |
| 2014 | 58.979 | 50.9518 | 1.6823 | 14.4037 | 1.2146 | 43.147 | 2.9065 | 0.80612 | 1.3285 |
| 2015 | 50.522 | 68.0720 | 1.5255 | 14.1723 | 1.0679 | 38.028 | 3.0255 | 0.72584 | 1.1095 |
| 2016 | 52.556 | 74.1446 | 1.5275 | 16.2645 | 1.0902 | 39.043 | 3.3433 | 0.81948 | 1.1069 |
| 2017 | 56.973 | 65.9383 | 1.5588 | 15.0490 | 1.1117 | 38.296 | 4.1206 | 0.87667 | 1.1297 |
| 2018 | 62.210 | 74.0416 | 1.5926 | 15.6186 | 1.1550 | 38.164 | 5.7077 | 0.88471 | 1.1810 |
| 2019 | 57.985 | 72.4553 | 1.5273 | 16.1757 | 1.1124 | 34.757 | 6.3578 | 0.87777 | 1.1195 |
| 2020 | 56.615 | 82.7248 | 1.5742 | 18.7655 | 1.0705 | 35.708 | 8.0547 | 0.88970 | 1.1422 |
| 2021 | 58.299 | 87.1527 | 1.5891 | 17.4766 | 1.0811 | 37.837 | 10.5124 | 0.85960 | 1.1827 |

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to December 2008, ECB indicative rates. 2 Up to December 2010, ECB indicative rates. 3 Up to end-2008, New Turkish lira.

II. Euro foreign exchange reference rates of the European Central Bank*

4. Exchange rates of major currencies

EUR 1 = CU ..., monthly averages¹, log. scale

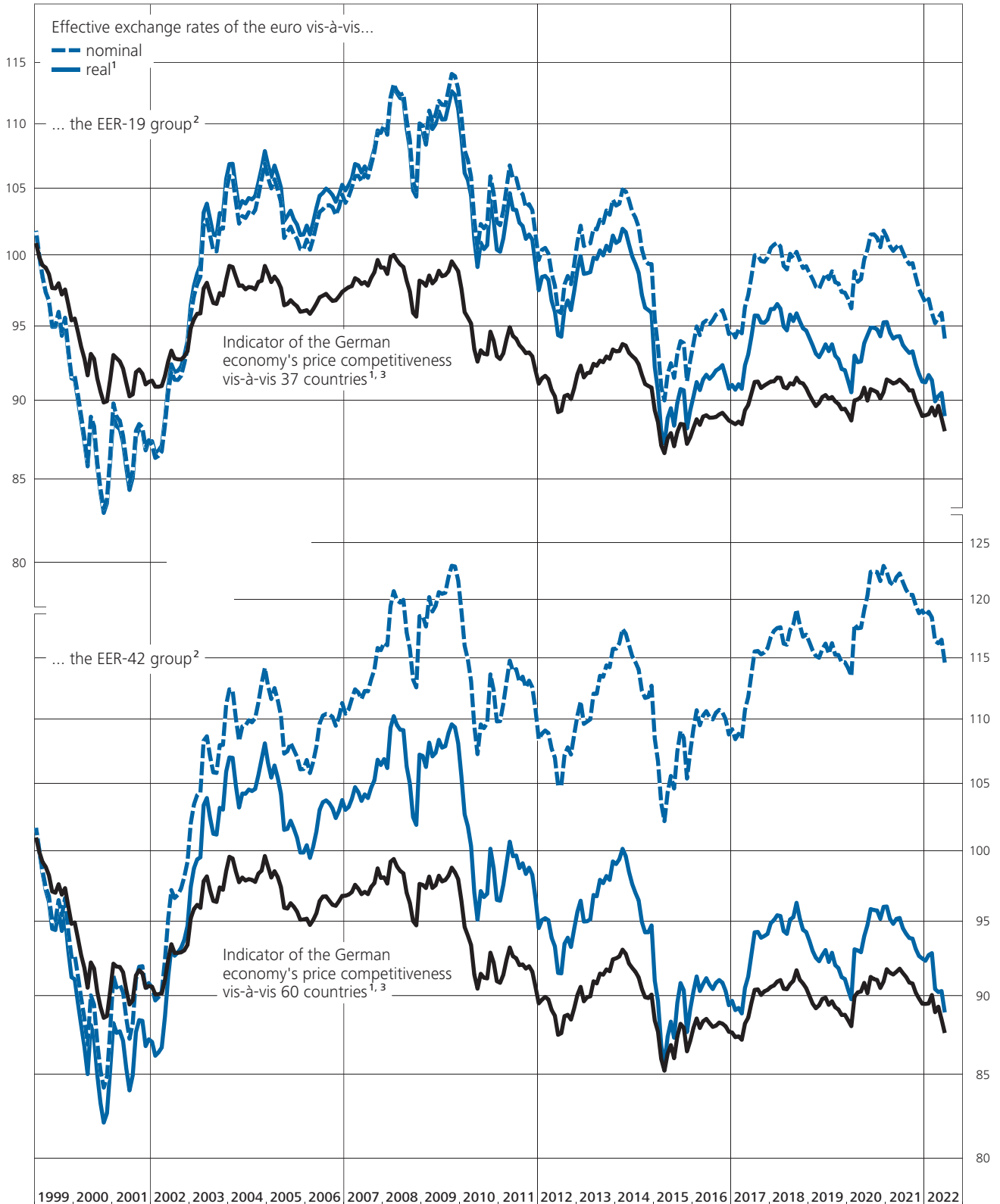


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

III. Effective exchange rates

1. Effective exchange rates of the euro and indicators of the German economy's price competitiveness*

Q1 1999 = 100, monthly averages, log. scale



* The weights are based on trade in manufactured goods and services. For more detailed information on methodology and definition of country groups, see Explanatory notes, pp. 48–50. A decline in the figures implies an increase in competitiveness. **1** Based on consumer price indices. **2** Includes the 19 respectively 42 most important trading partners of the euro area economy. **3** Includes the 37 respectively 60 most important trading partners of the German economy.

III. Effective exchange rates

2. Effective exchange rates of the euro *

Q1 1999 = 100

| | | Effective exchange rates of the euro vis-à-vis the currencies of the group | | | | | |
|--------------------------------------|---------|--|--|--|-----------------------|---|------|
| | | EER-19 ¹ | | | EER-42 ^{1 2} | | |
| Yearly, quarterly or monthly average | Nominal | In real terms based on consumer price indices | In real terms based on the deflators of gross domestic product | In real terms based on unit labour costs of national economy | Nominal | In real terms based on consumer price indices | |
| | 1999 | 96.2 | 96.2 | 96.1 | 96.2 | 96.6 | 96.0 |
| 2000 | 87.1 | 86.9 | 86.2 | 85.6 | 88.1 | 86.2 | |
| 2001 | 87.6 | 87.2 | 86.7 | 84.5 | 90.2 | 86.9 | |
| 2002 | 89.8 | 90.2 | 89.8 | 88.0 | 94.5 | 90.5 | |
| 2003 | 100.4 | 101.4 | 100.8 | 99.0 | 106.4 | 101.6 | |
| 2004 | 104.2 | 105.2 | 103.8 | 102.2 | 110.9 | 105.4 | |
| 2005 | 102.8 | 103.9 | 101.8 | 100.5 | 109.0 | 102.9 | |
| 2006 | 102.8 | 103.9 | 101.2 | 99.3 | 109.1 | 102.3 | |
| 2007 | 106.3 | 106.8 | 103.3 | 101.0 | 112.7 | 104.5 | |
| 2008 | 110.1 | 109.7 | 105.5 | 104.8 | 117.4 | 106.9 | |
| 2009 | 111.6 | 110.6 | 106.7 | 108.5 | 120.5 | 108.0 | |
| 2010 | 104.4 | 102.9 | 98.5 | 100.9 | 111.9 | 99.0 | |
| 2011 | 104.2 | 101.9 | 96.7 | 99.3 | 112.7 | 98.5 | |
| 2012 | 98.5 | 96.7 | 91.1 | 93.6 | 107.5 | 93.7 | |
| 2013 | 102.0 | 99.8 | 94.1 | 96.5 | 112.2 | 96.8 | |
| 2014 | 102.3 | 99.1 | 94.0 | 96.6 | 114.5 | 97.1 | |
| 2015 | 92.5 | 89.5 | 85.5 | 86.0 | 106.1 | 88.6 | |
| 2016 | 95.2 | 91.4 | 87.8 | p 87.3 | 110.1 | 90.6 | |
| 2017 | 97.4 | 93.4 | 88.9 | p 88.0 | 112.4 | 91.8 | |
| 2018 | 99.9 | 95.5 | 90.5 | p 89.6 | 117.3 | 95.0 | |
| 2019 | 98.1 | 93.1 | 88.7 | p 87.1 | 115.4 | 92.4 | |
| 2020 | 99.6 | 93.5 | 89.4 | p 87.7 | 119.4 | 93.9 | |
| 2021 | 99.6 | 93.4 | p 88.6 | p 86.1 | 120.8 | 94.2 | |
| 2020 Aug. | 101.5 | 94.9 | 90.3 | p 88.5 | 122.4 | 95.8 | |
| 2020 Sep. | 101.5 | 94.9 | | | 122.4 | 95.8 | |
| 2020 Oct. | 101.3 | 94.8 | | | 122.4 | 95.7 | |
| 2020 Nov. | 100.6 | 94.3 | 90.5 | p 87.9 | 121.6 | 95.2 | |
| 2020 Dec. | 101.8 | 95.2 | | | 122.9 | 96.0 | |
| 2021 Jan. | 101.3 | 95.3 | | | 122.4 | 96.0 | |
| 2021 Feb. | 100.6 | 94.5 | 90.0 | p 88.0 | 121.5 | 95.1 | |
| 2021 Mar. | 100.3 | 94.1 | | | 121.2 | 94.8 | |
| 2021 Apr. | 100.6 | 94.3 | | | 121.9 | 95.2 | |
| 2021 May | 100.8 | 94.3 | 89.3 | p 86.4 | 122.3 | 95.2 | |
| 2021 June | 100.2 | 93.7 | | | 121.5 | 94.5 | |
| 2021 July | 99.7 | 93.4 | | | 120.8 | 94.1 | |
| 2021 Aug. | 99.3 | 93.1 | p 88.7 | p 85.7 | 120.4 | 93.8 | |
| 2021 Sep. | 99.4 | 93.3 | | | 120.4 | 93.8 | |
| 2021 Oct. | 98.4 | 92.4 | | | 119.5 | 93.1 | |
| 2021 Nov. | 97.6 | 91.7 | p 86.5 | p 84.3 | 118.8 | 92.6 | |
| 2021 Dec. | 97.1 | 91.2 | | | 119.0 | 92.5 | |
| 2022 Jan. | 96.6 | 91.2 | | | 118.6 | p 92.3 | |
| 2022 Feb. | 96.9 | 91.7 | p 84.6 | p 83.1 | 118.9 | p 92.7 | |
| 2022 Mar. | 95.9 | 91.3 | | | 118.4 | p 92.8 | |
| 2022 Apr. | 95.2 | p 89.9 | | | 116.4 | p 90.4 | |
| 2022 May | 95.6 | p 90.3 | ... | ... | 116.2 | p 90.2 | |
| 2022 June | 95.9 | p 90.5 | | | 116.5 | p 90.3 | |
| 2022 July | 94.1 | p 89.0 | | | 114.6 | p 88.9 | |
| 2022 July 13 | 93.5 | - | - | - | 113.8 | - | |
| 2022 July 14 | 93.5 | - | - | - | 113.7 | - | |
| 2022 July 15 | 93.8 | - | - | - | 114.0 | - | |
| 2022 July 18 | 93.9 | - | - | - | 114.3 | - | |
| 2022 July 19 | 94.5 | - | - | - | 115.0 | - | |
| 2022 July 20 | 94.3 | - | - | - | 114.6 | - | |
| 2022 July 21 | 94.4 | - | - | - | 115.0 | - | |
| 2022 July 22 | 94.1 | - | - | - | 114.7 | - | |
| 2022 July 25 | 94.2 | - | - | - | 114.9 | - | |
| 2022 July 26 | 93.6 | - | - | - | 114.2 | - | |
| 2022 July 27 | 93.8 | - | - | - | 114.4 | - | |
| 2022 July 28 | 93.4 | - | - | - | 114.0 | - | |
| 2022 July 29 | 93.7 | - | - | - | 114.4 | - | |
| 2022 Aug. 1 | 93.7 | - | - | - | 114.5 | - | |
| 2022 Aug. 2 | 93.6 | - | - | - | 114.3 | - | |
| 2022 Aug. 3 | 93.5 | - | - | - | 114.2 | - | |
| 2022 Aug. 4 | 93.6 | - | - | - | 114.2 | - | |
| 2022 Aug. 5 | 93.8 | - | - | - | 114.5 | - | |
| 2022 Aug. 8 | 93.7 | - | - | - | 114.3 | - | |
| 2022 Aug. 9 | 93.9 | - | - | - | 114.6 | - | |
| 2022 Aug. 10 | 94.0 | - | - | - | 114.7 | - | |
| 2022 Aug. 11 | 94.1 | - | - | - | 114.9 | - | |
| 2022 Aug. 12 | 93.9 | - | - | - | 114.7 | - | |

* The weights are based on trade in manufactured goods and services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the figures implies an increase in competitiveness. Where current price and wage indices were not available, estimates were used. ¹ Includes the 19 respectively 42 most important trading partners for the euro area economy. ² The ECB suspends the publication and calculation of the euro foreign exchange reference rate against Russian

rouble with effect from March 2, 2022 until further notice. For the calculation of effective exchange rates, an indicative rate is used for the Russian Federation from that date. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

III. Effective exchange rates

3. Indicators of the German economy's price competitiveness *

Q1 1999 = 100

| Yearly, quarterly or monthly average | Based on the deflators of total sales vis-à-vis | | | | Based on consumer price indices vis-à-vis | | | | | | |
|--------------------------------------|---|---------------------|-------------------------|---------------------------|---|---------------------|-------------------------|--------|--------|---------------------------|-----------------------------|
| | 26 selected industrial countries ¹ | | | 37 countries ² | 26 selected industrial countries ¹ | | | | | 37 countries ² | 60 countries ^{2 3} |
| | Total | of which: | | | Total | of which: | | | | | |
| | | Euro area countries | Non-euro area countries | | | Euro area countries | Non-euro area countries | | | | |
| 1999 | 97.9 | 99.6 | 95.9 | 97.7 | 98.3 | 100.1 | 96.1 | 98.1 | 97.8 | | |
| 2000 | 92.0 | 97.5 | 85.5 | 91.2 | 93.1 | 99.0 | 86.1 | 92.3 | 91.2 | | |
| 2001 | 91.7 | 96.6 | 86.0 | 90.5 | 93.0 | 98.1 | 86.9 | 91.7 | 91.0 | | |
| 2002 | 92.4 | 95.7 | 88.5 | 91.1 | 93.5 | 96.9 | 89.4 | 92.2 | 91.9 | | |
| 2003 | 95.9 | 94.8 | 97.6 | 95.3 | 97.0 | 95.7 | 99.0 | 96.7 | 96.8 | | |
| 2004 | 96.2 | 93.6 | 100.0 | 95.6 | 98.5 | 95.4 | 102.8 | 98.2 | 98.4 | | |
| 2005 | 94.8 | 92.0 | 98.8 | 93.3 | 98.4 | 95.2 | 103.1 | 97.1 | 96.7 | | |
| 2006 | 93.5 | 90.4 | 98.2 | 91.6 | 98.6 | 94.8 | 104.0 | 96.7 | 96.0 | | |
| 2007 | 94.5 | 89.6 | 102.0 | 92.0 | 100.9 | 95.1 | 109.6 | 98.3 | 97.3 | | |
| 2008 | 94.9 | 88.3 | 105.1 | 91.3 | 102.4 | 94.5 | 114.6 | 98.4 | 97.5 | | |
| 2009 | 95.2 | 89.2 | 104.7 | 92.0 | 101.9 | 94.4 | 113.5 | 98.6 | 97.9 | | |
| 2010 | 92.5 | 88.7 | 98.2 | 88.2 | 98.8 | 94.0 | 105.7 | 94.3 | 92.5 | | |
| 2011 | 92.1 | 88.5 | 97.6 | 87.4 | 98.2 | 93.7 | 104.7 | 93.5 | 91.9 | | |
| 2012 | 90.1 | 88.3 | 92.5 | 84.7 | 95.9 | 93.2 | 99.5 | 90.5 | 88.9 | | |
| 2013 | 92.3 | 88.8 | 97.5 | 86.7 | 98.1 | 93.3 | 105.2 | 92.3 | 90.9 | | |
| 2014 | 92.9 | 89.6 | 97.7 | 87.4 | 98.2 | 93.6 | 104.7 | 92.5 | 91.5 | | |
| 2015 | 89.8 | 90.3 | 88.9 | 83.6 | 94.4 | 94.1 | 94.4 | 87.8 | 86.9 | | |
| 2016 | 90.7 | 90.7 | 90.4 | 84.9 | 95.0 | 94.1 | 96.1 | 88.8 | 88.1 | | |
| 2017 | 91.9 | 90.9 | 93.3 | 85.7 | 96.3 | 94.3 | 99.2 | 89.9 | 88.9 | | |
| 2018 | 93.2 | 91.0 | 96.4 | 86.7 | 97.7 | 94.4 | 102.4 | 91.2 | 90.8 | | |
| 2019 | 92.2 | 91.2 | 93.5 | 85.8 | 96.4 | 94.3 | 99.2 | 89.9 | 89.4 | | |
| 2020 | 92.1 | 91.3 | 93.3 | 86.2 | 96.4 | 94.2 | 99.5 | 90.1 | 90.2 | | |
| 2021 | 93.3 | 91.8 | 95.4 | 86.6 | 97.4 | 94.8 | 100.9 | 90.7 | 91.0 | | |
| 2019 Feb. | 92.1 | 90.8 | 94.1 | 85.7 | 96.5 | 94.0 | 99.9 | 90.0 | 89.5 | | |
| Mar. | | | | | 96.2 | 93.9 | 99.2 | 89.6 | 89.2 | | |
| Apr. | | | | | 96.5 | 94.4 | 99.4 | 89.8 | 89.4 | | |
| May | 92.2 | 91.1 | 93.8 | 85.7 | 96.7 | 94.5 | 99.7 | 90.2 | 89.8 | | |
| June | | | | | 96.8 | 94.4 | 100.2 | 90.3 | 89.9 | | |
| July | | | | | 96.7 | 94.4 | 99.8 | 90.1 | 89.4 | | |
| Aug. | 92.2 | 91.3 | 93.5 | 86.0 | 96.4 | 94.2 | 99.4 | 90.2 | 89.6 | | |
| Sep. | | | | | 96.1 | 94.4 | 98.4 | 89.9 | 89.2 | | |
| Oct. | | | | | 96.1 | 94.4 | 98.5 | 89.8 | 89.1 | | |
| Nov. | 92.0 | 91.4 | 92.8 | 85.9 | 95.9 | 94.4 | 97.9 | 89.4 | 88.7 | | |
| Dec. | | | | | 95.9 | 94.4 | 97.8 | 89.4 | 88.8 | | |
| 2020 Jan. | | | | | 95.8 | 94.4 | 97.6 | 89.1 | 88.4 | | |
| Feb. | 91.7 | 91.4 | 92.0 | 85.4 | 95.5 | 94.5 | 96.6 | 88.7 | 88.0 | | |
| Mar. | | | | | 96.3 | 94.5 | 98.8 | 90.0 | 89.9 | | |
| Apr. | | | | | 96.1 | 94.7 | 98.0 | 90.1 | 90.2 | | |
| May | 91.3 | 91.2 | 91.2 | 85.8 | 96.4 | 94.9 | 98.3 | 90.2 | 90.3 | | |
| June | | | | | 97.0 | 94.8 | 100.1 | 90.8 | 90.8 | | |
| July | | | | | 96.0 | 93.4 | 99.7 | 90.0 | 90.2 | | |
| Aug. | 92.6 | 91.3 | 94.5 | 86.9 | 97.0 | 94.1 | 101.0 | 90.7 | 91.2 | | |
| Sep. | | | | | 96.8 | 93.9 | 100.9 | 90.6 | 91.1 | | |
| Oct. | | | | | 96.7 | 93.8 | 100.7 | 90.5 | 91.0 | | |
| Nov. | 93.0 | 91.3 | 95.4 | 86.8 | 96.5 | 93.7 | 100.5 | 90.1 | 90.5 | | |
| Dec. | | | | | 97.0 | 93.6 | 101.8 | 90.5 | 90.9 | | |
| 2021 Jan. | | | | | 98.0 | 94.7 | 102.7 | 91.4 | 91.7 | | |
| Feb. | 93.2 | 91.5 | 95.6 | 86.8 | 98.0 | 95.0 | 102.2 | 91.3 | 91.5 | | |
| Mar. | | | | | 97.7 | 94.9 | 101.6 | 91.1 | 91.4 | | |
| Apr. | | | | | 97.8 | 94.9 | 102.0 | 91.2 | 91.6 | | |
| May | 93.0 | 91.1 | 95.6 | 86.4 | 98.1 | 95.0 | 102.4 | 91.4 | 91.8 | | |
| June | | | | | 98.0 | 95.2 | 101.9 | 91.2 | 91.5 | | |
| July | | | | | 97.6 | 95.2 | 101.1 | 91.0 | 91.2 | | |
| Aug. | 93.8 | 92.2 | 96.0 | 87.1 | 97.3 | 95.0 | 100.5 | 90.6 | 90.9 | | |
| Sep. | | | | | 97.3 | 94.9 | 100.6 | 90.7 | 90.8 | | |
| Oct. | | | | | 96.6 | 94.6 | 99.4 | 90.0 | 90.2 | | |
| Nov. | 93.3 | 92.4 | 94.5 | 86.4 | 96.2 | 94.4 | 98.5 | 89.5 | 89.8 | | |
| Dec. | | | | | 95.8 | 94.1 | 97.8 | 89.0 | 89.5 | | |
| 2022 Jan. | | | | | 96.0 | 94.2 | 98.3 | 89.0 | P 89.5 | | |
| Feb. | 92.1 | 91.4 | 93.0 | 84.9 | 96.1 | 94.1 | 98.8 | 89.1 | P 89.5 | | |
| Mar. | | | | | 96.3 | 94.5 | 98.6 | 89.5 | P 90.0 | | |
| Apr. | | | | | 96.2 | 94.9 | 97.8 | P 89.0 | P 88.9 | | |
| May | ... | ... | ... | ... | 96.6 | 95.4 | 98.1 | P 89.6 | P 89.3 | | |
| June | | | | | P 95.7 | P 94.3 | 97.5 | P 88.8 | P 88.5 | | |
| July | | | | | P 94.9 | P 94.3 | P 95.5 | P 88.0 | P 87.6 | | |

* The weights are based on trade in manufactured goods and services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the figures implies an increase in competitiveness. Where current price and wage indices were not available, estimates were used. ¹ Includes euro area countries (moving composition) as well as the 8 most important trading partners for the German

economy. ² Includes the 37 respectively 60 most important trading partners for the German economy. ³ As of March 2022, for the Russian Federation a monthly average indicative rate is used. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|----------------------------|---|-----------------|--------------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Afghanistan | | | | | | | |
| Kabul | Afghani = 100 puls | B | USD 1 = | AFN 84.6650 | AFN 89.1375 | AFN 87.6750 | AFN 90.0494 |
| | | S | USD 1 = | AFN 84.7650 | AFN 89.2375 | AFN 87.7750 | AFN 90.1494 |
| | AFN | B | EUR 1 = | AFN 98.5505 | AFN 95.7575 | AFN 93.0825 | AFN 91.5419 |
| S | | EUR 1 = | AFN 98.8105 | AFN 96.0175 | AFN 93.3425 | AFN 91.8019 | |
| Albania | | | | | | | |
| Tirana | Albanian lek = 100 qindarka ALL | M | USD 1 = | ALL 103.55 | ALL 112.51 | ALL 114.22 | ALL 114.46 |
| | | M | EUR 1 = | ALL 122.44 | ALL 120.75 | ALL 119.13 | ALL 116.78 |
| Algeria | | | | | | | |
| Algiers | Algerian dinar = 100 centimes DZD | B | USD 1 = | DZD 135.0950 | DZD 145.4752 | DZD 146.4372 | DZD 145.6235 |
| | | S | USD 1 = | DZD 135.1100 | DZD 145.4902 | DZD 146.4522 | DZD 145.6385 |
| | B | EUR 1 = | DZD 159.7263 | DZD 155.6148 | DZD 152.2361 | DZD 148.5797 | |
| | S | EUR 1 = | DZD 159.7809 | DZD 155.6600 | DZD 152.2810 | DZD 148.6532 | |
| Angola | | | | | | | |
| Luanda | Kwanza = 100 cêntimos AOA | B | USD 1 = | AOA . | AOA 418.2620 | AOA 421.9900 | AOA 426.5310 |
| | | S | USD 1 = | AOA . | AOA 428.4500 | AOA 434.4270 | AOA 439.9980 |
| | | M | USD 1 = | AOA 618.5901 | AOA 423.3560 | AOA 428.2085 | AOA 433.2645 |
| | B | EUR 1 = | AOA . | AOA 448.0010 | AOA 439.6290 | AOA 433.4400 | |
| | S | EUR 1 = | AOA . | AOA 458.9560 | AOA 452.6300 | AOA 447.1700 | |
| | M | EUR 1 = | AOA 731.6493 | AOA 453.4785 | AOA 446.1295 | AOA 440.3050 | |
| Antigua und Barbuda | | | | | | | |
| St John's | East Caribbean dollar = 100 cents XCD | 2 B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | 2 S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | V, B | EUR 1 = | XCD 3.1793 | XCD 2.8799 | XCD 2.7922 | XCD 2.7414 | |
| | V, S | EUR 1 = | XCD 3.2133 | XCD 2.9106 | XCD 2.8220 | XCD 2.7707 | |
| Argentina 1 | | | | | | | |
| Buenos Aires | Argentine peso = 100 centavos ARS | B | USD 1 = | ARS 94.9607 | ARS 120.0000 | ARS 125.0300 | ARS 131.0700 |
| | | S | USD 1 = | ARS 95.1607 | ARS 120.2000 | ARS 125.2300 | ARS 131.2700 |
| | B | EUR 1 = | ARS 112.1389 | ARS 128.7240 | ARS 130.8814 | ARS 133.6521 | |
| S | EUR 1 = | ARS 112.6132 | ARS 129.2390 | ARS 131.4038 | ARS 134.1842 | | |
| Armenia | | | | | | | |
| Yerevan | Armenian dram = 100 luma AMD | M | USD 1 = | AMD 502.79 | AMD 447.99 | AMD 407.21 | AMD 407.71 |
| | | M | EUR 1 = | AMD 595.28 | AMD 478.90 | AMD 423.54 | AMD 417.45 |
| Aruba | | | | | | | |
| Oranjestad | Aruban florin = 100 cents AWG | 2 B | USD 1 = | AWG 1.78 | AWG 1.78 | AWG 1.78 | AWG 1.78 |
| | | 2 S | USD 1 = | AWG 1.80 | AWG 1.80 | AWG 1.80 | AWG 1.80 |
| | B | EUR 100 = | AWG 210.44 | AWG 190.56 | AWG 185.15 | AWG 182.08 | |
| | S | EUR 100 = | AWG 212.56 | AWG 192.48 | AWG 187.01 | AWG 183.91 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|----------------------|---|-----------------|---------|------------------------|----------------------|---------------|---------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Australia | | | | | | | |
| Canberra | Australian dollar = 100 cents AUD | M | AUD 1 = | USD 0.7514 | USD 0.7187 | USD 0.6889 | USD 0.7007 |
| | | M | AUD 1 = | EUR 0.6346 | EUR 0.6688 | EUR 0.6589 | EUR 0.6862 |
| Austria | | | | | | | |
| Vienna | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Azerbaijan | | | | | | | |
| Baku | Azerbaijan manat = 100 qapik AZN | M | USD 1 = | AZN 1.7000 | AZN 1.7000 | AZN 1.7000 | AZN 1.7000 |
| | | M | EUR 1 = | AZN 2.0116 | AZN 1.8267 | AZN 1.7771 | AZN 1.7361 |
| Bahamas | | | | | | | |
| Nassau | Bahamian dollar = 100 cents BSD | 2 B | USD 1 = | BSD 0.9950 | BSD 0.9950 | BSD 0.9950 | BSD 0.9950 |
| | | 2 S | USD 1 = | BSD 1.0125 | BSD 1.0125 | BSD 1.0125 | BSD 1.0125 |
| | | V, B | EUR 1 = | BSD 1.17679 | BSD 1.06594 | BSD 1.03351 | BSD 1.01470 |
| | | V, S | EUR 1 = | BSD 1.19748 | BSD 1.08469 | BSD 1.05168 | BSD 1.03255 |
| Bahrain | | | | | | | |
| Manama | Bahraini dinar = 1,000 fils BHD | 2 M | USD 1 = | BHD 0.376081 | BHD 0.376081 | BHD 0.376081 | BHD 0.376081 |
| | | M | EUR 1 = | BHD 0.4436253 | BHD 0.4051340 | BHD 0.3928730 | BHD 0.3838850 |
| Bangladesh 1 | | | | | | | |
| Dhaka | Taka = 100 poisha BDT | B | USD 1 = | BDT 85.1309 | BDT 89.0000 | BDT 93.4500 | BDT 94.7000 |
| | | S | USD 1 = | BDT 85.1410 | BDT 89.0000 | BDT 93.4500 | BDT 94.7000 |
| | | B | EUR 1 = | BDT 100.4158 | BDT 95.9153 | BDT 97.5525 | BDT 96.7645 |
| | | S | EUR 1 = | BDT 100.4638 | BDT 95.9509 | BDT 97.5898 | BDT 96.8023 |
| Barbados | | | | | | | |
| Bridgetown | Barbados dollar = 100 cents BBD | 2 B | USD 1 = | BBD 1.99375 | BBD 1.99375 | BBD 1.99375 | BBD 1.99375 |
| | | 2 S | USD 1 = | BBD 2.02768 | BBD 2.02768 | BBD 2.02768 | BBD 2.02768 |
| | | B | EUR 1 = | BBD 2.35384 | BBD 2.14705 | BBD 2.07935 | BBD 2.02370 |
| | | S | EUR 1 = | BBD 2.39797 | BBD 2.18731 | BBD 2.11834 | BBD 2.06164 |
| Belarus | | | | | | | |
| Minsk | Belarusian rouble = 100 kopecks BYN | M | USD 1 = | BYN 2.5377 | BYN 2.5884 | BYN 2.5235 | BYN 2.6170 |
| | | M | EUR 1 = | BYN 3.0020 | BYN 2.6864 | BYN 2.6630 | BYN 2.6642 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|---|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Belgium | | | | | | | |
| Brussels | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Belize | | | | | | | |
| Belmopan | Belize dollar = 100 cents BZD | 2 B | USD 1 = | BZD 1.9825 | BZD 1.9825 | BZD 1.9825 | BZD 1.9825 |
| | | 2 S | USD 1 = | BZD 2.0175 | BZD 2.0175 | BZD 2.0175 | BZD 2.0175 |
| | | B | EUR 1 = | BZD 2.3422 | BZD 2.1229 | BZD 2.0658 | BZD 2.0148 |
| | | S | EUR 1 = | BZD 2.3835 | BZD 2.1603 | BZD 2.1022 | BZD 2.0504 |
| Benin ¹ | | | | | | | |
| Porto-Novo Seat of government: Cotonou | CFA franc XOF | B | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | S | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | | 3 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Bermuda | | | | | | | |
| Hamilton | Bermudian dollar = 100 cents BMD | 2 B | USD 1 = | BMD 0.9960 | BMD 0.9960 | BMD 0.9960 | BMD 0.9960 |
| | | 2 S | USD 1 = | BMD 1.0043 | BMD 1.0043 | BMD 1.0043 | BMD 1.0043 |
| | | V, B | EUR 1 = | BMD 1.1780 | BMD 1.0670 | BMD 1.0345 | BMD 1.0157 |
| | | V, S | EUR 1 = | BMD 1.1878 | BMD 1.0759 | BMD 1.0432 | BMD 1.0242 |
| Bhutan ¹ | | | | | | | |
| Thimphu | Ngultrum = 100 chhetrum BTN | B | USD 1 = | BTN 72.7250 | BTN 76.40 | BTN 77.80 | BTN 78.55 |
| | | S | USD 1 = | BTN 74.9833 | BTN 78.75 | BTN 80.20 | BTN 81.00 |
| | | B | EUR 1 = | BTN 85.8208 | BTN 82.15 | BTN 81.70 | BTN 79.70 |
| | | S | EUR 1 = | BTN 88.2042 | BTN 84.45 | BTN 83.95 | BTN 81.90 |
| Bolivia, Plurinational State of | | | | | | | |
| Sucre Seat of government: La Paz | Boliviano = 100 centavos BOB | B | USD 1 = | BOB 6.86 | BOB 6.86 | BOB 6.86 | BOB 6.86 |
| | | S | USD 1 = | BOB 6.96 | BOB 6.96 | BOB 6.96 | BOB 6.96 |
| | | V, B | EUR 1 = | BOB 8.1115 | BOB 7.3491 | BOB 7.1255 | BOB 6.9958 |
| | | V, S | EUR 1 = | BOB 8.2297 | BOB 7.4562 | BOB 7.2294 | BOB 7.0978 |
| Bosnia and Herzegovina | | | | | | | |
| Sarajevo | Convertible marka = 100 feninga BAM | B | USD 1 = | BAM 1.652476 | BAM 1.812467 | BAM 1.855035 | BAM 1.927425 |
| | | S | USD 1 = | BAM 1.660759 | BAM 1.821553 | BAM 1.864333 | BAM 1.937087 |
| | | 3 | EUR 1 = | BAM 1.95583 | BAM 1.95583 | BAM 1.95583 | BAM 1.95583 |
| Botswana | | | | | | | |
| Gaborone | Pula = 100 thebe BWP | B | BWP 1 = | USD 0.0899 | USD 0.0831 | USD 0.0805 | USD 0.0798 |
| | | S | BWP 1 = | USD 0.0897 | USD 0.0829 | USD 0.0803 | USD 0.0796 |
| | | B | BWP 1 = | EUR 0.0761 | EUR 0.0778 | EUR 0.0774 | EUR 0.0784 |
| | | S | BWP 1 = | EUR 0.0759 | EUR 0.0776 | EUR 0.0772 | EUR 0.0783 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---------------------------------------|---|-----------------|---------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Brazil | | | | | | | |
| Brasília | Brazilian real = 100 centavos | B | USD 1 = | BRL 5.3949 | BRL 4.7283 | BRL 5.2374 | BRL 5.1878 |
| | | S | USD 1 = | BRL 5.3956 | BRL 4.7289 | BRL 5.2380 | BRL 5.1884 |
| | BRL | B | EUR 1 = | BRL 6.3727 | BRL 5.0730 | BRL 5.4830 | BRL 5.2910 |
| | | S | EUR 1 = | BRL 6.3752 | BRL 5.0755 | BRL 5.4842 | BRL 5.2937 |
| Brunei Darussalam ¹ | | | | | | | |
| Bandar Seri Begawan | Brunei dollar = 100 cents | B | USD 1 = | BND 1.3349 | BND 1.3601 | BND 1.3798 | BND 1.3714 |
| | | S | USD 1 = | BND 1.3524 | BND 1.3771 | BND 1.3968 | BND 1.3887 |
| | BND | B | EUR 1 = | BND 1.5607 | BND 1.4428 | BND 1.4350 | BND 1.3816 |
| | | S | EUR 1 = | BND 1.6152 | BND 1.4969 | BND 1.4890 | BND 1.4359 |
| Bulgaria | | | | | | | |
| Sofia | Bulgarian lev = 100 stotinkas BGN | M | USD 1 = | BGN 1.65458 | BGN 1.82566 | BGN 1.88296 | BGN 1.91786 |
| | | ² | EUR 1 = | BGN 1.95583 | BGN 1.95583 | BGN 1.95583 | BGN 1.95583 |
| Burkina Faso ¹ | | | | | | | |
| Ouagadougou | CFA franc | B | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | S | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | XOF | ² | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Burundi | | | | | | | |
| Gitega | Burundi franc = 100 centimes | B | USD 1 = | BIF 1,958.5533 | BIF 2,008.8288 | BIF 2,013.2145 | BIF 2,017.6200 |
| | | S | USD 1 = | BIF 1,998.1200 | BIF 2,049.4112 | BIF 2,053.8855 | BIF 2,058.3800 |
| | BIF | B | EUR 1 = | BIF 2,313.7970 | BIF 2,159.4910 | BIF 2,105.4197 | BIF 2,060.9988 |
| | | S | EUR 1 = | BIF 2,360.5404 | BIF 2,203.1170 | BIF 2,147.9535 | BIF 2,102.6352 |
| Cabo Verde | | | | | | | |
| Praia | Cabo Verde escudo = 100 centavos | B | USD 1 = | CVE 93.355 | CVE 102.33768 | CVE 104.74354 | CVE 108.83498 |
| | | S | USD 1 = | CVE 93.557 | CVE 102.53968 | CVE 104.94554 | CVE 109.03698 |
| | CVE | ² | EUR 1 = | CVE 110.265 | CVE 110.265 | CVE 110.265 | CVE 110.265 |
| Cambodia | | | | | | | |
| Phnom Penh | Riel = 100 sen KHR | M | USD 1 = | KHR 4,068 | KHR 4,062 | KHR 4,070 | KHR 4,099 |
| | | B | EUR 1 = | KHR 4,804 | KHR 4,376 | KHR 4,250 | KHR 4,177 |
| | KHR | S | EUR 1 = | KHR 4,852 | KHR 4,419 | KHR 4,293 | KHR 4,219 |
| Cameroon ¹ | | | | | | | |
| Yaoundé | CFA franc | B | USD 1 = | XAF 552.0688 | XAF 607.8791 | XAF 620.8187 | XAF 639.1489 |
| | | S | USD 1 = | XAF 556.8834 | XAF 613.1929 | XAF 621.9429 | XAF 646.2519 |
| | XAF | ² | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Canada | | | | | | | |
| Ottawa | Canadian dollar = 100 cents CAD | M | USD 1 = | CAD 1.2535 | CAD 1.2648 | CAD 1.2886 | CAD 1.2824 |
| | | M | EUR 1 = | CAD 1.4798 | CAD 1.3561 | CAD 1.3467 | CAD 1.3072 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|--|---|-----------------|---------|------------------------|----------------------|---------------|---------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Cayman Islands | | | | | | | |
| George Town | Cayman Islands dollar = 100 cents KYD | 2 | KYD 1 = | USD 1.20 | USD 1.20 | USD 1.20 | USD 1.20 |
| | | | V | EUR 1 = | KYD 0.9856 | KYD 0.8928 | KYD 0.8656 |
| | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Central African Republic ¹ | | | | | | | |
| Bangui | CFA franc XAF | B S | USD 1 = | XAF 552.0688 | XAF 607.8791 | XAF 620.8187 | XAF 639.1489 |
| | | | USD 1 = | XAF 556.8834 | XAF 613.1929 | XAF 621.9429 | XAF 646.2519 |
| | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Chad ¹ | | | | | | | |
| N'Djaména | CFA franc XAF | B S | USD 1 = | XAF 552.0688 | XAF 607.8791 | XAF 620.8187 | XAF 639.1489 |
| | | | USD 1 = | XAF 556.8834 | XAF 613.1929 | XAF 621.9429 | XAF 646.2519 |
| | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Chile | | | | | | | |
| Santiago | Chilean peso = 100 centavos CLP | M | USD 1 = | CLP 759.27 | CLP 826.26 | CLP 919.97 | CLP 911.42 |
| | | M | EUR 1 = | CLP 897.37 | CLP 890.85 | CLP 960.90 | CLP 926.24 |
| China | | | | | | | |
| Beijing | Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY | M | USD 1 = | CNY 6.4515 | CNY 6.6607 | CNY 6.7114 | CNY 6.7437 |
| | | M | EUR 1 = | CNY 7.6186 | CNY 7.1747 | CNY 7.0084 | CNY 6.8739 |
| | | M | HKD 1 = | CNY 0.82956 | CNY 0.84865 | CNY 0.85519 | CNY 0.85908 |
| China (Taiwan) | | | | | | | |
| Taipei | New Taiwan dollar = 100 cents TWD | B S | USD 1 = | TWD 27.948 | TWD 28.995 | TWD 29.670 | TWD 29.890 |
| | | | USD 1 = | TWD 28.048 | TWD 29.095 | TWD 29.770 | TWD 29.990 |
| | | B S | EUR 1 = | TWD 32.91 | TWD 30.99 | TWD 30.85 | TWD 30.45 |
| | | | EUR 1 = | TWD 33.31 | TWD 31.39 | TWD 31.25 | TWD 30.85 |
| Colombia | | | | | | | |
| Bogotá | Colombian peso = 100 centavos COP | M | USD 1 = | COP 3,745.89 | COP 3,912.34 | COP 4,127.47 | COP 4,375.51 |
| | | V, M | EUR 1 = | COP 4,427.750 | COP 4,191.290 | COP 4,287.203 | COP 4,462.145 |
| Comoros | | | | | | | |
| Moroni | Comorian franc = 100 centimes KMF | V 3 | USD 1 = | KMF 554.47610 | KMF 459.22501 | KMF 473.63796 | KMF 482.41591 |
| | | | EUR 1 = | KMF 491.96775 | KMF 491.96775 | KMF 491.96775 | KMF 491.96775 |
| Congo ¹ | | | | | | | |
| Brazzaville | CFA franc XAF | B S | USD 1 = | XAF 552.0688 | XAF 607.8791 | XAF 620.8187 | XAF 639.1489 |
| | | | USD 1 = | XAF 556.8834 | XAF 613.1929 | XAF 621.9429 | XAF 646.2519 |
| | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against

the US dollar. ³ Value against the euro. ⁴ Currency amounts are denoted using the designation yuan (renminbi).

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|---|-----------------|-----------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Congo, Democratic Republic of the | | | | | | | |
| Kinshasa | Congo franc = 100 centimes | B | USD 1 = | CDF 1,949.9472 | CDF 1,964.4909 | CDF 1,964.8507 | CDF 1,965.1102 |
| | | S | USD 1 = | CDF 2,029.5369 | CDF 2,044.6742 | CDF 2,045.0487 | CDF 2,045.3188 |
| | CDF | B | EUR 1 = | CDF 2,291.5890 | CDF 2,108.7248 | CDF 2,083.0434 | CDF 1,987.1512 |
| | | S | EUR 1 = | CDF 2,385.1233 | CDF 2,194.7952 | CDF 2,168.0656 | CDF 2,068.2594 |
| Cook Islands 1 | | | | | | | |
| Avarua | Cook Islands dollar 2 = 100 cents | B | NZD 1 = | EUR 0.6094 | EUR 0.6201 | EUR 0.6065 | EUR 0.6301 |
| | | S | NZD 1 = | EUR 0.5865 | EUR 0.5968 | EUR 0.5836 | EUR 0.6064 |
| | NZD | | | | | | |
| Costa Rica | | | | | | | |
| San José | Costa Rican colón = 100 céntimos | B | USD 1 = | CRC 619.28 | CRC 681.62 | CRC 684.76 | CRC 667.61 |
| | | S | USD 1 = | CRC 625.65 | CRC 689.74 | CRC 692.25 | CRC 675.02 |
| | CRC | V, B | EUR 1 = | CRC 731.5009 | CRC 730.2195 | CRC 711.2602 | CRC 680.8287 |
| | | V, S | EUR 1 = | CRC 739.0335 | CRC 738.9185 | CRC 719.0401 | CRC 688.3854 |
| Côte d'Ivoire 1 | | | | | | | |
| Yamoussoukro Seat of government: Abidjan | CFA franc | B | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | S | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | XOF | 3 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Croatia | | | | | | | |
| Zagreb | Kuna = 100 lipa | B | USD 1 = | HRK 6.346188 | HRK 7.011057 | HRK 7.141979 | HRK 7.376954 |
| | | S | USD 1 = | HRK 6.384379 | HRK 7.053249 | HRK 7.184959 | HRK 7.421348 |
| | HRK | B | EUR 1 = | HRK 7.501896 | HRK 7.511646 | HRK 7.505506 | HRK 7.488345 |
| | | S | EUR 1 = | HRK 7.547043 | HRK 7.556852 | HRK 7.550674 | HRK 7.533411 |
| Cuba 1 | | | | | | | |
| Havana | Cuban peso = 100 centavos | 4 B | USD 1 = | CUP 23.76 | CUP 23.76 | CUP 23.76 | CUP 23.76 |
| | | 4 S | USD 1 = | CUP 24.24 | CUP 24.24 | CUP 24.24 | CUP 24.24 |
| | CUP | B | EUR 1 = | CUP 28.08531 | CUP 25.61566 | CUP 25.01215 | CUP 24.23520 |
| | | S | EUR 1 = | CUP 28.65269 | CUP 26.13314 | CUP 25.51745 | CUP 24.72480 |
| Curaçao | | | | | | | |
| Willemstad | Netherlands Antillean guilder = 100 cents | 4 B | USD 1 = | ANG 1.78 | ANG 1.78 | ANG 1.78 | ANG 1.78 |
| | | 4 S | USD 1 = | ANG 1.82 | ANG 1.82 | ANG 1.82 | ANG 1.82 |
| | ANG | B | EUR 100 = | ANG 210.45 | ANG 190.57 | ANG 185.16 | ANG 182.08 |
| | | S | EUR 100 = | ANG 214.69 | ANG 194.41 | ANG 188.89 | ANG 185.75 |
| Cyprus | | | | | | | |
| Nicosia | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Czechia | | | | | | | |
| Prague | Czech koruna = 100 heller CZK | M | USD 1 = | CZK 21.682 | CZK 23.070 | CZK 23.821 | CZK 24.135 |
| | | M | EUR 1 = | CZK 25.648 | CZK 24.710 | CZK 24.740 | CZK 24.610 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Parity in relation to the New Zealand dollar. 3 Value against the euro. 4 Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---------------------------------------|---|-----------------|-----------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Denmark | | | | | | | |
| Copenhagen | Danish krone = 100 øre DKK | M | USD 100 = | DKK 629.18 | DKK 694.43 | DKK 716.20 | DKK 729.93 |
| | | M | EUR 100 = | DKK 743.68 | DKK 743.94 | DKK 743.92 | DKK 744.38 |
| Djibouti | | | | | | | |
| Djibouti | Djibouti franc = 100 centimes DJF | 2 B | USD 1 = | DJF 176.832 | DJF 176.832 | DJF 176.832 | DJF 176.832 |
| | | 2 S | USD 1 = | DJF 179.498 | DJF 179.498 | DJF 179.498 | DJF 179.498 |
| | | B | EUR 1 = | DJF 206.82 | DJF 188.63 | DJF 183.48 | DJF 178.41 |
| | | S | EUR 1 = | DJF 215.43 | DJF 196.00 | DJF 190.64 | DJF 187.23 |
| Dominica | | | | | | | |
| Roseau | East Caribbean dollar = 100 cents XCD | 2 B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | 2 S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | | V, B | EUR 1 = | XCD 3.1793 | XCD 2.8799 | XCD 2.7922 | XCD 2.7414 |
| | | V, S | EUR 1 = | XCD 3.2133 | XCD 2.9106 | XCD 2.8220 | XCD 2.7707 |
| Dominican Republic | | | | | | | |
| Santo Domingo | Dominican peso = 100 centavos DOP | B | USD 1 = | DOP 56.4066 | DOP 54.4615 | DOP 54.0534 | DOP 53.8997 |
| | | S | USD 1 = | DOP 57.5248 | DOP 55.5162 | DOP 55.2379 | DOP 55.0952 |
| | | B | EUR 1 = | DOP 65.9005 | DOP 57.5767 | DOP 56.1653 | DOP 54.3235 |
| | | S | EUR 1 = | DOP 69.5595 | DOP 61.2534 | DOP 59.7821 | DOP 57.8516 |
| Egypt | | | | | | | |
| Cairo | Egyptian pound = 100 piastres = 1,000 milliems EGP | B | USD 1 = | EGP 15.63 | EGP 18.55 | EGP 18.76 | EGP 18.91 |
| | | S | USD 1 = | EGP 15.73 | EGP 18.61 | EGP 18.82 | EGP 18.97 |
| | | B | EUR 1 = | EGP 18.4380 | EGP 19.8114 | EGP 19.4785 | EGP 19.1880 |
| | | S | EUR 1 = | EGP 18.6426 | EGP 20.0579 | EGP 19.7008 | EGP 19.4518 |
| El Salvador ¹ | | | | | | | |
| San Salvador | El Salvador colón = 100 centavos SVC | 2 | USD 1 = | SVC 8.75 | SVC 8.75 | SVC 8.75 | SVC 8.75 |
| | | V, B / S | EUR 1 = | SVC 10.3486 | SVC 9.3739 | SVC 9.0886 | SVC 8.9233 |
| Equatorial Guinea ¹ | | | | | | | |
| Malabo | CFA franc XAF | B | USD 1 = | XAF 552.0688 | XAF 607.8791 | XAF 620.8187 | XAF 639.1489 |
| | | S | USD 1 = | XAF 556.8834 | XAF 613.1929 | XAF 621.9429 | XAF 646.2519 |
| | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Eritrea | | | | | | | |
| Asmara | Nakfa = 100 centes ERN | 2 B | USD 1 = | ERN 15.00 | ERN 15.00 | ERN 15.00 | ERN 15.00 |
| | | 2 S | USD 1 = | ERN 15.15 | ERN 15.15 | ERN 15.15 | ERN 15.15 |
| | | B | EUR 1 = | ERN 17.7440 | ERN 16.1625 | ERN 15.8775 | ERN 15.1995 |
| | | S | EUR 1 = | ERN 18.3802 | ERN 16.7987 | ERN 16.5137 | ERN 15.8357 |
| Estonia | | | | | | | |
| Tallinn | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|--|---|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Eswatini ¹ | | | | | | | |
| Mbabane | Lilangeni = 100 cents | B | USD 1 = | SZL 14.9300 | SZL 15.5362 | SZL 16.1889 | SZL 16.3990 |
| | | S | USD 1 = | SZL 14.9386 | SZL 15.5435 | SZL 16.1951 | SZL 16.4064 |
| | SZL | B | EUR 1 = | SZL 17.6211 | SZL 16.6823 | SZL 16.9014 | SZL 16.8035 |
| | | S | EUR 1 = | SZL 17.6331 | SZL 16.6915 | SZL 16.9133 | SZL 16.8190 |
| Ethiopia | | | | | | | |
| Addis Ababa | Birr = 100 cents | B | USD 1 = | ETB 44.1351 | ETB 51.5678 | ETB 51.9938 | ETB 52.1427 |
| | | S | USD 1 = | ETB 45.0178 | ETB 52.5992 | ETB 53.0337 | ETB 53.1856 |
| | ETB | B | EUR 1 = | ETB 52.0705 | ETB 55.5540 | ETB 54.7339 | ETB 52.9666 |
| | | S | EUR 1 = | ETB 53.1119 | ETB 56.6651 | ETB 55.8286 | ETB 54.0259 |
| Falkland Islands (Islas Malvinas) | | | | | | | |
| Stanley | Falkland Islands pound ² = 100 pence FKP | V | USD 1 = | FKP 0.72681 | FKP 0.79472 | FKP 0.82623 | FKP 0.82359 |
| | | V | EUR 1 = | FKP 0.85960 | FKP 0.85138 | FKP 0.85820 | FKP 0.83990 |
| Fiji | | | | | | | |
| Suva | Fiji dollar = 100 cents | B | FJD 1 = | USD 0.4911 | USD 0.4722 | USD 0.4588 | USD 0.4619 |
| | | S | FJD 1 = | USD 0.4741 | USD 0.4552 | USD 0.4418 | USD 0.4449 |
| | FJD | B | FJD 1 = | EUR 0.4137 | EUR 0.4356 | EUR 0.4367 | EUR 0.4502 |
| | | S | FJD 1 = | EUR 0.4017 | EUR 0.4236 | EUR 0.4247 | EUR 0.4382 |
| Finland | | | | | | | |
| Helsinki | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| France | | | | | | | |
| Paris | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Gabon ¹ | | | | | | | |
| Libreville | CFA franc | B | USD 1 = | XAF 552.0688 | XAF 607.8791 | XAF 620.8187 | XAF 639.1489 |
| | | S | USD 1 = | XAF 556.8834 | XAF 613.1929 | XAF 621.9429 | XAF 646.2519 |
| | XAF | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Gambia | | | | | | | |
| Banjul | Dalasi = 100 bututs GMD | M | USD 1 = | GMD 51.51 | GMD 53.27 | GMD 53.79 | GMD 53.77 |
| | | M | EUR 1 = | GMD 60.85 | GMD 58.39 | GMD 57.57 | GMD 56.85 |
| Georgia | | | | | | | |
| Tbilisi | Lari = 100 tetri GEL | M | USD 1 = | GEL 3.2239 | GEL 2.9546 | GEL 2.9289 | GEL 2.7652 |
| | | M | EUR 1 = | GEL 3.8152 | GEL 3.1833 | GEL 3.0821 | GEL 2.8299 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|-----------------------------------|--|-----------------|---------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Germany | | | | | | | |
| Berlin | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Ghana | | | | | | | |
| Accra | Ghana cedi = 100 Ghana pesewas GHS | B S | USD 1 = | GHS 5.8147 | GHS 7.1405 | GHS 7.2269 | GHS 7.6082 |
| | | | USD 1 = | GHS 5.8206 | GHS 7.1477 | GHS 7.2341 | GHS 7.6158 |
| | | B S | EUR 1 = | GHS 6.8619 | GHS 7.6615 | GHS 7.5759 | GHS 7.7619 |
| | | | EUR 1 = | GHS 6.8688 | GHS 7.6685 | GHS 7.5835 | GHS 7.7697 |
| Gibraltar | | | | | | | |
| Gibraltar | Gibraltar pound ² = 100 pence GIP | V V | USD 1 = | GIP 0.72681 | GIP 0.79472 | GIP 0.82623 | GIP 0.82359 |
| | | | EUR 1 = | GIP 0.85960 | GIP 0.85138 | GIP 0.85820 | GIP 0.83990 |
| Greece | | | | | | | |
| Athens | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Grenada | | | | | | | |
| St George's | East Caribbean dollar = 100 cents XCD | 3 B 3 S | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | | V, B V, S | EUR 1 = | XCD 3.1793 | XCD 2.8799 | XCD 2.7922 | XCD 2.7414 |
| | | | EUR 1 = | XCD 3.2133 | XCD 2.9106 | XCD 2.8220 | XCD 2.7707 |
| Guatemala | | | | | | | |
| Guatemala City | Quetzal = 100 centavos GTQ | M V, M | USD 1 = | GTQ 7.73242 | GTQ 7.68434 | GTQ 7.75608 | GTQ 7.73654 |
| | | | EUR 1 = | GTQ 9.13640 | GTQ 8.23223 | GTQ 8.05624 | GTQ 7.88972 |
| Guinea | | | | | | | |
| Conakry | Guinean franc GNF | M M | USD 1 = | GNF 9,723.6035 | GNF 8,630.1948 | GNF 8,639.0667 | GNF 8,606.5243 |
| | | | EUR 1 = | GNF 11,495.2927 | GNF 9,253.2906 | GNF 9,123.7180 | GNF 8,711.5232 |
| Guinea-Bissau ¹ | | | | | | | |
| Bissau | CFA franc XOF | B S | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | | 4 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Guyana | | | | | | | |
| Georgetown | Guyana dollar = 100 cents GYD | B S | USD 1 = | GYD 207.98 | GYD 207.98 | GYD 207.98 | GYD 207.98 |
| | | | USD 1 = | GYD 210.45 | GYD 210.45 | GYD 210.45 | GYD 210.45 |
| | | B S | EUR 1 = | GYD 245.64 | GYD 222.52 | GYD 216.00 | GYD 212.49 |
| | | | EUR 1 = | GYD 248.77 | GYD 225.38 | GYD 218.79 | GYD 215.23 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the US dollar. ⁴ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|---|-----------------|---------|------------------------|----------------------|---------------|---------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Haiti | | | | | | | |
| Port-au-Prince | Gourde = 100 centimes HTG | M | USD 1 = | HTG 89.8776 | HTG 109.1853 | HTG 113.2073 | HTG 116.3167 |
| | | V, M | EUR 1 = | HTG 106.0149 | HTG 116.9702 | HTG 117.5884 | HTG 118.6198 |
| Honduras | | | | | | | |
| Tegucigalpa | Lempira = 100 centavos HNL | B | USD 1 = | HNL 24.0308 | HNL 24.3988 | HNL 24.4124 | HNL 24.4587 |
| | | S | USD 1 = | HNL 24.1990 | HNL 24.5696 | HNL 24.5833 | HNL 24.6299 |
| | | V, B | EUR 1 = | HNL 28.3919 | HNL 26.1384 | HNL 25.3572 | HNL 24.9430 |
| | | V, S | EUR 1 = | HNL 28.5906 | HNL 26.3214 | HNL 25.5347 | HNL 25.1176 |
| Hong Kong | | | | | | | |
| Hong Kong | Hong Kong dollar = 100 cents HKD | B | USD 1 = | HKD 7.74263 | HKD 7.81760 | HKD 7.81470 | HKD 7.81910 |
| | | S | USD 1 = | HKD 7.80440 | HKD 7.87930 | HKD 7.87640 | HKD 7.88080 |
| | | B | EUR 1 = | HKD 9.11766 | HKD 8.36750 | HKD 8.09850 | HKD 7.94660 |
| | | S | EUR 1 = | HKD 9.26113 | HKD 8.51010 | HKD 8.24090 | HKD 8.08880 |
| Hungary | | | | | | | |
| Budapest | Hungarian forint = 100 fillér HUF | M | USD 1 = | HUF 303.29 | HUF 367.31 | HUF 379.99 | HUF 395.42 |
| | | M | EUR 1 = | HUF 358.85 | HUF 394.05 | HUF 396.75 | HUF 404.20 |
| Iceland | | | | | | | |
| Reykjavík | Icelandic krona ISK | M | USD 1 = | ISK 126.865 | ISK 127.23 | ISK 133.72 | ISK 135.61 |
| | | M | EUR 1 = | ISK 149.360 | ISK 136.30 | ISK 138.90 | ISK 138.30 |
| India ¹ | | | | | | | |
| New Delhi | Indian rupee = 100 paise INR | M | USD 1 = | INR 73.9236 | INR 77.6641 | INR 78.9421 | INR 79.4203 |
| | | M | EUR 1 = | INR 87.2595 | INR 83.4107 | INR 82.5803 | INR 81.1675 |
| Indonesia | | | | | | | |
| Jakarta | Indonesian rupiah = 100 sen IDR | B | USD 1 = | IDR 14,244.17 | IDR 14,471.28 | IDR 14,773.76 | IDR 14,883.21 |
| | | S | USD 1 = | IDR 14,387.33 | IDR 14,616.72 | IDR 14,922.24 | IDR 15,032.79 |
| | | B | EUR 1 = | IDR 16,855.79 | IDR 15,573.99 | IDR 15,528.70 | IDR 15,195.76 |
| | | S | EUR 1 = | IDR 17,029.16 | IDR 15,731.98 | IDR 15,690.74 | IDR 15,349.98 |
| Iran, Islamic Republic of ¹ | | | | | | | |
| Tehran | Iranian rial = 100 dinars IRR | 2 M | USD 1 = | IRR 42,000 | IRR 42,000 | IRR 42,000 | IRR 42,000 |
| | | 2 M | EUR 1 = | IRR 49,539 | IRR 45,264 | IRR 43,991 | IRR 42,946 |
| | | 3 M | USD 1 = | IRR 264,425 | IRR 311,000 | IRR 316,000 | IRR 319,500 |
| | | 3 M | EUR 1 = | IRR 311,408 | IRR 334,300 | IRR 330,150 | IRR 326,700 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Central bank rate. ³ Bureau de change rate.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---------------------------------|--|-----------------|---------------|------------------------|----------------------|---------------|---------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Iraq ¹ | | | | | | | |
| Baghdad | Iraqi dinar = 1,000 fils | 2 B 2 S | USD 1 = | IQD 1,450.00 | IQD 1,450.00 | IQD 1,450.00 | IQD 1,450.00 |
| | | | USD 1 = | IQD 1,460.00 | IQD 1,460.00 | IQD 1,460.00 | |
| | | B S | EUR 1 = | IQD 1,716.752 | IQD 1,553.385 | IQD 1,506.115 | IQD 1,467.690 |
| | | | EUR 1 = | IQD 1,728.592 | IQD 1,564.098 | IQD 1,516.502 | IQD 1,477.812 |
| IQD | 3 S V, S | USD 1 = | IQD 1,472.492 | IQD 1,482.518 | IQD 1,479.442 | IQD 1,478.747 | |
| | | EUR 1 = | IQD 1,739.80 | IQD 1,588.22 | IQD 1,536.70 | IQD 1,508.03 | |
| Ireland | | | | | | | |
| Dublin | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Israel | | | | | | | |
| Jerusalem | New shekel = 100 agorot ILS | M M | USD 1 = | ILS 3.2293 | ILS 3.3380 | ILS 3.5000 | ILS 3.3910 |
| | | | EUR 1 = | ILS 3.8217 | ILS 3.5757 | ILS 3.6364 | ILS 3.4710 |
| Italy | | | | | | | |
| Rome | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Jamaica | | | | | | | |
| Kingston | Jamaican dollar = 100 cents JMD | B S | USD 1 = | JMD 150.6347 | JMD 152.8689 | JMD 150.0296 | JMD 152.8882 |
| | | | USD 1 = | JMD 151.7728 | JMD 154.6535 | JMD 151.3959 | JMD 154.1970 |
| | | B S | EUR 1 = | JMD 173.5355 | JMD 159.0222 | JMD 153.4536 | JMD 149.5886 |
| | | | EUR 1 = | JMD 181.5006 | JMD 168.3090 | JMD 162.1547 | JMD 158.8878 |
| Japan | | | | | | | |
| Tokyo | Japanese yen = 100 sen JPY | B S | USD 1 = | JPY 108.90 | JPY 127.21 | JPY 135.68 | JPY 133.61 |
| | | | USD 1 = | JPY 110.90 | JPY 129.21 | JPY 137.68 | JPY 135.61 |
| | | B S | EUR 1 = | JPY 128.84 | JPY 136.26 | JPY 141.17 | JPY 135.75 |
| | | | EUR 1 = | JPY 131.84 | JPY 139.26 | JPY 144.17 | JPY 138.75 |
| Jordan | | | | | | | |
| Amman | Jordanian dinar = 1,000 fils JOD | 2 B 2 S | USD 1 = | JOD 0.7080 | JOD 0.7080 | JOD 0.7080 | JOD 0.7080 |
| | | | USD 1 = | JOD 0.7100 | JOD 0.7100 | JOD 0.7100 | |
| | | B S | EUR 1 = | JOD 0.83394 | JOD 0.75664 | JOD 0.73497 | JOD 0.71834 |
| | | | EUR 1 = | JOD 0.84081 | JOD 0.76524 | JOD 0.74323 | JOD 0.72803 |
| Kazakhstan | | | | | | | |
| Nur-Sultan | Tenge = 100 tiyn KZT | M M | USD 1 = | KZT 426.17 | KZT 427.39 | KZT 465.08 | KZT 477.09 |
| | | | EUR 1 = | KZT 503.87 | KZT 460.04 | KZT 488.75 | KZT 486.73 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. **1** See Explanatory notes on individual countries, pp. 53 ff. **2** Official rate; value against the US dollar. **3** Market rate.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|--|----------------------------------|-----------------|---------|----------------------------|----------------------|---------------|---------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Kenya ¹ | | | | | | | |
| Nairobi | Kenya shilling = 100 cents | B | USD 1 = | KES 109.7793 | KES 116.6382 | KES 117.7324 | KES 118.7000 |
| | | S | USD 1 = | KES 109.9793 | KES 116.8382 | KES 117.9324 | KES 118.9000 |
| | KES | B | EUR 1 = | KES 129.5884 | KES 125.4729 | KES 123.8929 | KES 120.5447 |
| | | S | EUR 1 = | KES 129.8556 | KES 125.7224 | KES 124.1476 | KES 120.7882 |
| Korea, Democratic People's Republic of ¹ | | | | | | | |
| Pyongyang | North Korean won = 100 chon | B | USD 1 = | . | . | . | . |
| | | S | USD 1 = | . | . | . | . |
| | KPW | B | EUR 1 = | . | . | . | . |
| | | S | EUR 1 = | . | . | . | . |
| Korea, Republic of | | | | | | | |
| Seoul | South Korean won = 100 chon | B | USD 1 = | KRW 1,134.40 | KRW 1,235.80 | KRW 1,288.80 | KRW 1,291.80 |
| | | S | USD 1 = | KRW 1,156.75 | KRW 1,260.20 | KRW 1,314.20 | KRW 1,317.20 |
| | KRW | B | EUR 1 = | KRW 1,340.63 | KRW 1,322.75 | KRW 1,340.03 | KRW 1,319.87 |
| | | S | EUR 1 = | KRW 1,367.70 | KRW 1,349.47 | KRW 1,367.09 | KRW 1,346.53 |
| Kuwait | | | | | | | |
| Kuwait | Kuwaiti dinar = 1,000 fils | B | USD 1 = | KWD 0.30033 | KWD 0.30435 | KWD 0.30540 | KWD 0.30560 |
| | | S | USD 1 = | KWD 0.30393 | KWD 0.30795 | KWD 0.30900 | KWD 0.30920 |
| | KWD | B | EUR 1 = | KWD 0.354874 | KWD 0.325411 | KWD 0.317891 | KWD 0.310428 |
| | | S | EUR 1 = | KWD 0.359128 | KWD 0.329260 | KWD 0.321638 | KWD 0.314085 |
| Kyrgyzstan | | | | | | | |
| Bishkek | Kyrgyz som = 100 tyjyn KGS | M | USD 1 = | KGS 84.6925 | KGS 82.5680 | KGS 79.5000 | KGS 83.1740 |
| | | M | EUR 1 = | KGS 100.1818 | KGS 88.8762 | KGS 83.5625 | KGS 85.0205 |
| Lao People's Democratic Republic | | | | | | | |
| Vientiane | Kip | B | USD 1 = | LAK 9,812 | LAK 13,415 | LAK 15,004 | LAK 15,066 |
| | | S | USD 1 = | LAK 9,831 | LAK 13,442 | LAK 15,034 | LAK 15,096 |
| | LAK | B | EUR 1 = | LAK 11,579 | LAK 14,396 | LAK 15,644 | LAK 15,344 |
| | | S | EUR 1 = | LAK 11,644 | LAK 14,502 | LAK 15,759 | LAK 15,457 |
| Latvia | | | | | | | |
| Riga | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Lebanon ¹ | | | | | | | |
| Beirut | Lebanese pound = 100 piastres | ² M | USD 1 = | LBP 1,507.50 | LBP 1,507.50 | LBP 1,507.50 | LBP 1,507.50 |
| | | ² M | EUR 1 = | LBP 1,784.25 | LBP 1,618.00 | LBP 1,572.02 | LBP 1,540.36 |
| | LBP | ³ M | USD 1 = | LBP 17,817.00 ⁴ | LBP 24,500.00 | LBP 25,200.00 | LBP 25,700.00 |
| | | V, M | EUR 1 = | LBP 20,625.24 ⁴ | LBP 26,246.85 | LBP 26,175.24 | LBP 26,208.86 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Official rate. ³ Sayrafa market rate. ⁴ Average from July to December 2021.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|---------------------------------------|-----------------|--------------------|------------------------------|----------------------|------------------------------|------------------------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Lesotho ¹ | | | | | | | |
| Maseru | Loti = 100 lisente LSL | M | USD 1 = | LSL 14.9194 | LSL 15.6021 | LSL 16.4264 | LSL 16.69770 |
| | | M | EUR 1 = | LSL 17.6004 | LSL 16.7192 | LSL 17.0817 | LSL 16.96320 |
| Liberia ¹ | | | | | | | |
| Monrovia | Liberian dollar = 100 cents LRD | B | USD 1 = | LRD 164.6458 | LRD . | LRD 151.9841 | LRD 152.5175 |
| | | S | USD 1 = | LRD 166.1336 | LRD . | LRD 153.7470 | LRD 154.2447 |
| | | V, B V, S | EUR 1 = EUR 1 = | LRD 194.7908 LRD 196.5456 | LRD . LRD . | LRD 157.8659 LRD 159.6970 | LRD 155.5373 LRD 157.2987 |
| Libya | | | | | | | |
| Tripoli | Libyan dinar = 1,000 dirham LYD | B | USD 1 = | LYD 4.5088 | LYD 4.7440 | LYD 4.8196 | LYD 4.8493 |
| | | S | USD 1 = | LYD 4.5314 | LYD 4.7677 | LYD 4.8437 | LYD 4.8736 |
| | | B | EUR 1 = | LYD 5.3197 | LYD 5.0955 | LYD 5.0432 | LYD 4.9589 |
| | | S | EUR 1 = | LYD 5.3464 | LYD 5.1210 | LYD 5.0685 | LYD 4.9838 |
| Lithuania | | | | | | | |
| Luxembourg | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Macao ¹ | | | | | | | |
| Macao | Pataca = 100 avos MOP | B | USD 1 = | MOP 8.0001 | MOP 8.0765 | MOP 8.0746 | MOP 8.0780 |
| | | S | USD 1 = | MOP 8.0263 | MOP 8.1027 | MOP 8.1008 | MOP 8.1042 |
| | | B | EUR 1 = | MOP 9.4482 | MOP 8.6742 | MOP 8.4358 | MOP 8.2474 |
| | | S | EUR 1 = | MOP 9.4897 | MOP 8.7157 | MOP 8.4773 | MOP 8.2889 |
| Madagascar | | | | | | | |
| Antananarivo | Ariary = 5 iraimbilanja MGA | M | USD 1 = | MGA 3,837.78 | MGA 3,990.77 | MGA 4,074.57 | MGA 4,098.95 |
| | | M | EUR 1 = | MGA 4,529.18 | MGA 4,269.92 | MGA 4,260.54 | MGA 4,176.69 |
| Malawi | | | | | | | |
| Lilongwe | Malawi kwacha = 100 tambala MWK | B | USD 1 = | MWK 793.6108 | MWK 1,011.9512 | MWK 1,016.6837 | MWK 1,016.6837 |
| | | S | USD 1 = | MWK 809.3864 | MWK 1,031.3626 | MWK 1,036.1859 | MWK 1,036.1859 |
| | | B | EUR 1 = | MWK 937.3776 | MWK 1,086.4308 | MWK 1,063.6545 | MWK 1,040.9824 |
| | | S | EUR 1 = | MWK 956.0102 | MWK 1,107.2709 | MWK 1,084.0577 | MWK 1,060.9508 |
| Malaysia | | | | | | | |
| Kuala Lumpur Seat of government: Putrajaya | Malaysian ringgit = 100 sen MYR | B | USD 1 = | MYR 4.0772 | MYR 4.3001 | MYR 4.3246 | MYR 4.3703 |
| | | S | USD 1 = | MYR 4.2153 | MYR 4.4409 | MYR 4.4814 | MYR 4.5287 |
| | | B | EUR 1 = | MYR 4.8162 | MYR 4.6112 | MYR 4.4984 | MYR 4.4389 |
| | | S | EUR 1 = | MYR 4.9977 | MYR 4.7937 | MYR 4.6951 | MYR 4.6330 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|-----------------------------|--|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Maldives | | | | | | | |
| Malé | Rufiyaa = 100 laari MVR | M | USD 1 = | MVR 15.38 | MVR 15.40 | MVR 15.41 | MVR 15.40 |
| | | V, M | EUR 1 = | MVR 18.16588 | MVR 16.49802 | MVR 16.00637 | MVR 15.70492 |
| Mali 1 | | | | | | | |
| Bamako | CFA franc XOF | B | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | S | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Malta | | | | | | | |
| Valletta | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Mauritania | | | | | | | |
| Nouakchott | Ouguiya MRU | B | USD 1 = | MRU 35.97 | MRU 36.25 | MRU 36.25 | MRU 37.49 |
| | | S | USD 1 = | MRU 36.33 | MRU 36.61 | MRU 36.61 | MRU 37.86 |
| | | B | EUR 1 = | MRU 42.51 | MRU 38.76 | MRU 37.71 | MRU 37.97 |
| | | S | EUR 1 = | MRU 42.94 | MRU 39.15 | MRU 38.08 | MRU 38.36 |
| Mauritius | | | | | | | |
| Port Louis | Mauritian rupee = 100 cents MUR | B | USD 1 = | MUR 41.2469 | MUR 42.9429 | MUR 44.7343 | MUR 44.6971 |
| | | S | USD 1 = | MUR 42.1464 | MUR 43.8421 | MUR 45.6336 | MUR 45.5964 |
| | | B | EUR 1 = | MUR 48.5562 | MUR 46.0719 | MUR 46.6871 | MUR 45.5726 |
| | | S | EUR 1 = | MUR 49.8831 | MUR 47.3564 | MUR 47.9713 | MUR 46.8609 |
| Mexico | | | | | | | |
| Mexico City | Mexican peso = 100 centavos MXN | M | USD 1 = | MXN 20.30618 | MXN 19.6855 | MXN 20.1353 | MXN 20.3626 |
| | | V, M | EUR 1 = | MXN 24.12793 | MXN 21.0891 | MXN 20.9145 | MXN 20.7658 |
| Moldova, Republic of | | | | | | | |
| Chisinau | Moldovan leu = 100 bani MDL | M | USD 1 = | MDL 17.67450 | MDL 19.0703 | MDL 19.1216 | MDL 19.3318 |
| | | M | EUR 1 = | MDL 20.89660 | MDL 20.5472 | MDL 20.1130 | MDL 19.5831 |
| Mongolia | | | | | | | |
| Ulan Bator | Togrog = 100 mongo MNT | M | USD 1 = | MNT 2,849.38 | MNT 3,120.84 | MNT 3,134.10 | MNT 3,168.09 |
| | | M | EUR 1 = | MNT 3,367.11 | MNT 3,352.09 | MNT 3,273.57 | MNT 3,242.86 |
| Morocco | | | | | | | |
| Rabat | Moroccan dirham = 100 centimes MAD | M | USD 1 = | MAD 8.9920 | MAD 9.8868 | MAD 10.1539 | MAD 10.2880 |
| | | M | EUR 1 = | MAD 10.6331 | MAD 10.5848 | MAD 10.5631 | MAD 10.5164 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|--|--------------------------------------|-----------------|-------------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Mozambique | | | | | | | |
| Maputo | Metical = 100 centavos | B S | USD 1 = | MZN 64.55 | MZN 63.21 | MZN 63.23 | MZN 63.23 |
| | | | USD 1 = | MZN 65.84 | MZN 64.47 | MZN 64.49 | MZN 64.50 |
| | MZN | B S | EUR 1 = | MZN 76.28 | MZN 67.56 | MZN 65.80 | MZN 64.33 |
| | | | EUR 1 = | MZN 77.80 | MZN 68.91 | MZN 67.11 | MZN 65.62 |
| Myanmar | | | | | | | |
| Nay Pyi Taw | Kyat = 100 pyas MMK | M M | USD 1 = | MMK 1,630.93 | MMK 1,850.00 | MMK 1,850.00 | MMK 1,850.00 |
| | | | EUR 1 = | MMK 1,924.25 | MMK 1,987.50 | MMK 1,929.20 | MMK 1,886.40 |
| Namibia 1 | | | | | | | |
| Windhoek | Namibia dollar = 100 cents NAD | M M | USD 1 = | NAD 14.9336 | NAD 15.5638 | NAD 16.2458 | NAD 16.4558 |
| | | | EUR 1 = | NAD 17.6294 | NAD 16.7126 | NAD 16.9874 | NAD 16.8132 |
| Nepal | | | | | | | |
| Kathmandu | Nepalese rupee = 100 paisa | B S | USD 1 = | NPR 117.93 | NPR 123.77 | NPR 126.05 | NPR 126.51 |
| | | | USD 1 = | NPR 118.53 | NPR 124.37 | NPR 126.65 | NPR 127.11 |
| | NPR | B S | EUR 1 = | NPR 139.30 | NPR 133.30 | NPR 132.62 | NPR 129.24 |
| | | | EUR 1 = | NPR 140.01 | NPR 133.95 | NPR 133.25 | NPR 129.85 |
| Netherlands | | | | | | | |
| Amsterdam Seat of government: The Hague | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| New Caledonia 1 | | | | | | | |
| Nouméa | CFP franc XPF | V 2 | XPF 1,000 = | USD 9.91 | USD 8.98 | USD 8.70 | USD 8.55 |
| | | | XPF 1,000 = | EUR 8.38 | EUR 8.38 | EUR 8.38 | EUR 8.38 |
| New Zealand | | | | | | | |
| Wellington | New Zealand dollar = 100 cents | B S | NZD 1 = | USD 0.7300 | USD 0.6664 | USD 0.6338 | USD 0.6433 |
| | | | NZD 1 = | USD 0.7026 | USD 0.6413 | USD 0.6099 | USD 0.6192 |
| | NZD | B S | NZD 1 = | EUR 0.6094 | EUR 0.6201 | EUR 0.6065 | EUR 0.6301 |
| | | | NZD 1 = | EUR 0.5865 | EUR 0.5968 | EUR 0.5836 | EUR 0.6064 |
| Nicaragua | | | | | | | |
| Managua | Córdoba = 100 centavos NIO | M V, M | USD 1 = | NIO 35.1991 | NIO 35.8131 | NIO 35.8715 | NIO 35.9319 |
| | | | EUR 1 = | NIO 41.58493 | NIO 38.36657 | NIO 37.25973 | NIO 36.64335 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country ¹ Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---------------------------------|-------------------------------------|-----------------|---------------|------------------------|----------------------|---------------|-------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Niger ¹ | | | | | | | |
| Niamey | CFA franc | B | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | S | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Nigeria ¹ | | | | | | | |
| Abuja | Naira = 100 kobo | B | USD 1 = | NGN 398.20 | NGN 414.65 | NGN 413.77 | NGN 414.68 |
| | | S | USD 1 = | NGN 399.28 | NGN 415.65 | NGN 415.77 | NGN 416.68 |
| | B | EUR 1 = | NGN 470.0003 | NGN 443.9243 | NGN 435.4929 | NGN 422.3101 | |
| | S | EUR 1 = | NGN 472.1110 | NGN 444.9949 | NGN 437.5979 | NGN 424.3469 | |
| North Macedonia | | | | | | | |
| Skopje | North Macedonia denar = 100 deni | B | USD 1 = | MKD 51.8785 | MKD 57.0295 | MKD 58.3689 | MKD 60.4500 |
| | | S | USD 1 = | MKD 52.3999 | MKD 57.6027 | MKD 58.9555 | MKD 61.0576 |
| | B | EUR 1 = | MKD 61.3252 | MKD 61.3865 | MKD 61.3865 | MKD 61.1875 | |
| | S | EUR 1 = | MKD 61.9416 | MKD 62.0035 | MKD 62.0035 | MKD 61.8025 | |
| Norway | | | | | | | |
| Oslo | Norwegian krone = 100 øre | B | USD 1 = | NOK 8.5681 | NOK 9.4255 | NOK 9.8963 | NOK 9.6609 |
| | | S | USD 1 = | NOK 8.6441 | NOK 9.5015 | NOK 9.9723 | NOK 9.7369 |
| | B | EUR 1 = | NOK 10.1309 | NOK 10.1155 | NOK 10.3336 | NOK 9.8916 | |
| | S | EUR 1 = | NOK 10.2159 | NOK 10.2005 | NOK 10.4186 | NOK 9.9766 | |
| Oman | | | | | | | |
| Muscat | Rial Omani = 1,000 baisa | 3 B | USD 1 = | OMR 0.3840 | OMR 0.3840 | OMR 0.3840 | OMR 0.3840 |
| | | 3 S | USD 1 = | OMR 0.3850 | OMR 0.3850 | OMR 0.3850 | OMR 0.3850 |
| | B | EUR 1 = | OMR 0.4530272 | OMR 0.4127232 | OMR 0.4013184 | OMR 0.3919488 | |
| | S | EUR 1 = | OMR 0.4543257 | OMR 0.4138365 | OMR 0.4024020 | OMR 0.3930080 | |
| Pakistan | | | | | | | |
| Islamabad | Pakistani rupee = 100 paisa | B | USD 1 = | PKR 163.17 | PKR 199.05 | PKR 205.50 | PKR 239.90 |
| | | S | USD 1 = | PKR 163.67 | PKR 199.55 | PKR 206.00 | PKR 240.40 |
| | B | EUR 1 = | PKR 193.17 | PKR 214.42 | PKR 215.23 | PKR 245.57 | |
| | S | EUR 1 = | PKR 193.76 | PKR 214.96 | PKR 215.75 | PKR 246.08 | |
| Panama ¹ | | | | | | | |
| Panama City | Balboa = 100 centésimos PAB | 4 | USD 1 = | PAB 1 | PAB 1 | PAB 1 | PAB 1 |
| | | V | EUR 1 = | PAB 1.1827 | PAB 1.0713 | PAB 1.0387 | PAB 1.0198 |
| Papua New Guinea | | | | | | | |
| Port Moresby | Kina = 100 toea | B | PGK 1 = | USD 0.2925 | USD 0.2915 | USD 0.2915 | USD 0.2915 |
| | | S | PGK 1 = | USD 0.2775 | USD 0.2765 | USD 0.2765 | USD 0.2765 |
| | B | EUR 1 = | EUR 0.2418 | EUR 0.2640 | EUR 0.2724 | EUR 0.2791 | |
| | S | EUR 1 = | EUR 0.2268 | EUR 0.2490 | EUR 0.2574 | EUR 0.2641 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the euro. ³ Value against the US dollar. ⁴ Parity in relation to the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---------------------------|--|-----------------|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Paraguay | | | | | | | |
| Asunción | Guaraní = 100 céntimos | B S | USD 1 = | PYG 6,763.04 | PYG 6,853.48 | PYG 6,837.90 | PYG 6,863.89 |
| | | | USD 1 = | PYG 6,781.64 | PYG 6,855.39 | PYG 6,850.05 | PYG 6,872.76 |
| | PYG | V, B V, S | EUR 1 = EUR 1 = | PYG 7,993.68 PYG 8,015.16 | PYG 7,342.13 PYG 7,344.18 | PYG 7,102.53 PYG 7,115.15 | PYG 6,999.80 PYG 7,008.84 |
| Peru | | | | | | | |
| Lima | Sol = 100 céntimos | B S | USD 1 = | PEN 3.879 | PEN 3.695 | PEN 3.820 | PEN 3.916 |
| | | | USD 1 = | PEN 3.886 | PEN 3.707 | PEN 3.830 | PEN 3.925 |
| | PEN | B S | EUR 1 = | PEN 4.517 | PEN 3.813 | PEN 3.982 | PEN 3.830 |
| | | | EUR 1 = | PEN 4.782 | PEN 4.088 | PEN 4.179 | PEN 4.327 |
| Philippines | | | | | | | |
| Manila | Philippine peso = 100 centavos | B S | USD 1 = | PHP 49.00 | PHP 52.10 | PHP 54.80 | PHP 55.10 |
| | | | USD 1 = | PHP 49.50 | PHP 52.60 | PHP 55.30 | PHP 55.60 |
| | PHP | B S | EUR 1 = EUR 1 = | PHP 55.9728 PHP 60.0324 | PHP 54.6191 PHP 57.7978 | PHP 55.7214 PHP 58.9158 | PHP 54.7237 PHP 57.8503 |
| Poland | | | | | | | |
| Warsaw | Polish zloty = 100 groszy PLN | M M | USD 1 = | PLN 3.8647 | PLN 4.2651 | PLN 4.4825 | PLN 4.6365 |
| | | | EUR 1 = | PLN 4.5775 | PLN 4.5756 | PLN 4.6806 | PLN 4.7399 |
| Portugal | | | | | | | |
| Lisbon | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Qatar | | | | | | | |
| Doha | Qatari riyal = 100 dirham QAR | 2 V, M | USD 1 = | QAR 3.6400 | QAR 3.6400 | QAR 3.6400 | QAR 3.6400 |
| | | | EUR 1 = | QAR 4.3009 | QAR 3.8995 | QAR 3.7809 | QAR 3.7121 |
| Romania | | | | | | | |
| Bucharest | Romanian leu = 100 bani RON | M M | USD 1 = | RON 4.1630 | RON 4.6037 | RON 4.7424 | RON 4.8412 |
| | | | EUR 1 = | RON 4.9244 | RON 4.9430 | RON 4.9454 | RON 4.9351 |
| Russian Federation | | | | | | | |
| Moscow | Russian rouble = 100 kopecks RUB | M M | USD 1 = | RUB 73.6685 | RUB 63.0975 | RUB 51.1580 | RUB 61.3101 |
| | | | EUR 1 = | RUB 87.2582 | RUB 64.7170 ³ | RUB 53.8580 ³ | RUB 62.5695 ³ |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against

the US dollar. ³ Indicative rate; according to the Bank of Russia, calculated on the basis of their established official RUB/USD rates and USD/EUR market rates.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|--|-----------------|---------|------------------------|----------------------|------------------|------------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Rwanda | | | | | | | |
| Kigali | Rwanda franc = 100 centimes | B | USD 1 = | RWF 979.780622 | RWF 1,012.047388 | RWF 1,014.340030 | RWF 1,018.635688 |
| | | S | USD 1 = | RWF 999.374255 | RWF 1,032.286292 | RWF 1,034.624782 | RWF 1,039.006344 |
| | RWF | B | EUR 1 = | RWF 1,158.76928 | RWF 1,087.54612 | RWF 1,060.44179 | RWF 1,040.12890 |
| | | S | EUR 1 = | RWF 1,181.94233 | RWF 1,109.29485 | RWF 1,081.64848 | RWF 1,060.92938 |
| Saint Helena, Ascension and Tristan da Cunha | | | | | | | |
| Jamestown | Saint Helena pound 2 = 100 pence SHP | V | USD 1 = | SHP 0.72681 | SHP 0.79472 | SHP 0.82623 | SHP 0.82359 |
| | | V | EUR 1 = | SHP 0.85960 | SHP 0.85138 | SHP 0.85820 | SHP 0.83990 |
| Saint Kitts and Nevis | | | | | | | |
| Basseterre | East Caribbean dollar = 100 cents | 3 B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | 3 S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | XCD | V, B | EUR 1 = | XCD 3.1793 | XCD 2.8799 | XCD 2.7922 | XCD 2.7414 |
| | | V, S | EUR 1 = | XCD 3.2133 | XCD 2.9106 | XCD 2.8220 | XCD 2.7707 |
| Saint Lucia | | | | | | | |
| Castries | East Caribbean dollar = 100 cents | 3 B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | 3 S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | XCD | V, B | EUR 1 = | XCD 3.1793 | XCD 2.8799 | XCD 2.7922 | XCD 2.7414 |
| | | V, S | EUR 1 = | XCD 3.2133 | XCD 2.9106 | XCD 2.8220 | XCD 2.7707 |
| Saint Vincent and the Grenadines | | | | | | | |
| Kingstown | East Caribbean dollar = 100 cents | 3 B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | 3 S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | XCD | V, B | EUR 1 = | XCD 3.1793 | XCD 2.8799 | XCD 2.7922 | XCD 2.7414 |
| | | V, S | EUR 1 = | XCD 3.2133 | XCD 2.9106 | XCD 2.8220 | XCD 2.7707 |
| Samoa | | | | | | | |
| Apia | Tala = 100 sene WST | M | WST 1 = | USD 0.39108 | USD 0.37862 | USD 0.36880 | USD 0.37106 |
| | | M | WST 1 = | EUR 0.33107 | EUR 0.35124 | EUR 0.35329 | EUR 0.36432 |
| Sao Tome and Principe | | | | | | | |
| São Tomé | Dobra = 100 cêntimos | B | USD 1 = | STN 20.7642 | STN 22.7611 | STN 23.2956 | STN 24.2047 |
| | | S | USD 1 = | STN 21.0757 | STN 23.1025 | STN 23.6451 | STN 24.5678 |
| | STN | 4 | EUR 1 = | STN 24.5000 | STN 24.5000 | STN 24.5000 | STN 24.5000 |
| Saudi Arabia | | | | | | | |
| Riyadh | Saudi riyal = 100 halalah SAR | 3 M | USD 1 = | SAR 3.75 | SAR 3.75 | SAR 3.75 | SAR 3.75 |
| | | V, M | EUR 1 = | SAR 4.43566 | SAR 4.01738 | SAR 3.89513 | SAR 3.82425 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Parity in relation to the pound sterling. 3 Value against the US dollar. 4 Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|-------------------------------------|---|-----------------|-----------|------------------------|----------------------|---------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Senegal 1 | | | | | | | |
| Dakar | CFA franc | B | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | S | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Serbia | | | | | | | |
| Belgrade | Serbian dinar = 100 para | B | USD 1 = | RSD 99.1383 | RSD 108.9893 | RSD 111.9270 | RSD 114.5724 |
| | | S | USD 1 = | RSD 99.7349 | RSD 109.6453 | RSD 112.6006 | RSD 115.2620 |
| | | B | EUR 1 = | RSD 117.2203 | RSD 117.1636 | RSD 117.0533 | RSD 117.0128 |
| | RSD | S | EUR 1 = | RSD 117.9257 | RSD 117.8686 | RSD 117.7577 | RSD 117.7170 |
| Seychelles | | | | | | | |
| Victoria | Seychelles rupee = 100 cents | B | USD 1 = | SCR 16.2706 | SCR 13.8921 | SCR 13.7341 | SCR 13.6848 |
| | | S | USD 1 = | SCR 16.9477 | SCR 14.4439 | SCR 14.1013 | SCR 14.3788 |
| | | B | EUR 1 = | SCR 19.1849 | SCR 14.7393 | SCR 14.3261 | SCR 14.2127 |
| | SCR | S | EUR 1 = | SCR 20.0962 | SCR 15.6753 | SCR 15.1468 | SCR 14.7317 |
| Sierra Leone 1 | | | | | | | |
| Freetown | Leone = 100 cents | B | USD 1 = | SLL 10,373.56 | SLL 12,925.70 | SLL 13,021.62 | SLE 13.81 |
| | | S | USD 1 = | SLL 10,585.67 | SLL 13,186.82 | SLL 13,284.68 | SLE 13.95 |
| | | B | EUR 1 = | SLL 12,252.77 | SLL 13,884.26 | SLL 13,689.88 | SLE 14.13 |
| | SLL/SLE 1 | S | EUR 1 = | SLL 12,496.53 | SLL 14,163.12 | SLL 13,968.44 | SLE 14.27 |
| Singapore 1 | | | | | | | |
| Singapore | Singapore dollar = 100 cents | M | USD 1 = | SGD 1.3433 | SGD 1.3697 | SGD 1.3918 | SGD 1.3785 |
| | | M | EUR 1 = | SGD 1.5871 | SGD 1.4724 | SGD 1.4547 | SGD 1.4079 |
| | SGD | | | | | | |
| Sint Maarten (southern part) | | | | | | | |
| Philipsburg | Netherlands Antillean guilder = 100 cents | 3 B | USD 1 = | ANG 1.78 | ANG 1.78 | ANG 1.78 | ANG 1.78 |
| | | 3 S | USD 1 = | ANG 1.82 | ANG 1.82 | ANG 1.82 | ANG 1.82 |
| | | B | EUR 100 = | ANG 210.45 | ANG 190.57 | ANG 185.16 | ANG 182.08 |
| | ANG | S | EUR 100 = | ANG 214.69 | ANG 194.41 | ANG 188.89 | ANG 185.75 |
| Slovakia | | | | | | | |
| Bratislava | Euro = 100 cent | | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 |
| | EUR | | | | | | |
| Slovenia | | | | | | | |
| Ljubljana | Euro = 100 cent | | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 |
| | EUR | | | | | | |
| Solomon Islands | | | | | | | |
| Honiara | Solomon Islands dollar = 100 cents | M | SBD 1 = | USD 0.1245 | USD 0.1230 | USD 0.1222 | USD 0.1213 |
| | | M | SBD 1 = | EUR 0.10541 | EUR 0.11410 | EUR 0.11620 | EUR 0.11920 |
| | SBD | | | | | | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 ff. 2 Value against the euro. 3 Value against the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|--|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Somalia ¹ | | | | | | | |
| Mogadishu | Somali shilling | M | USD 1 = | SOS . | SOS . | SOS . | SOS . |
| | SOS | M | EUR 1 = | SOS . | SOS . | SOS . | SOS . |
| South Africa | | | | | | | |
| Pretoria Seat of parliament: Cape Town | South African rand = 100 cents | B | USD 1 = | ZAR 14.6003 | ZAR 15.4343 | ZAR 16.2339 | ZAR 16.4035 |
| | | S | USD 1 = | ZAR 14.9228 | ZAR 15.7981 | ZAR 16.5982 | ZAR 16.7700 |
| | ZAR | B | EUR 1 = | ZAR 17.3023 | ZAR 16.4275 | ZAR 16.7907 | ZAR 16.5427 |
| | | S | EUR 1 = | ZAR 17.7763 | ZAR 17.0370 | ZAR 17.4005 | ZAR 17.1478 |
| South Sudan | | | | | | | |
| Juba | South Sudanese pound = 100 piastres | M | USD 1 = | SSP 317.0607 | SSP 467.0963 | SSP 499.6742 | SSP 628.2760 |
| | SSP | M | EUR 1 = | SSP 372.1906 | SSP 502.1522 | SSP 525.4081 | SSP 641.0309 |
| Spain | | | | | | | |
| Madrid | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1827 | USD 1.0713 | USD 1.0387 | USD 1.0198 |
| Sri Lanka | | | | | | | |
| Colombo | Sri Lanka rupee = 100 cents | B | USD 1 = | LKR 196.9317 | LKR 355.7708 | LKR 355.7601 | LKR 357.1697 |
| | | S | USD 1 = | LKR 201.6169 | LKR 365.7493 | LKR 367.1246 | LKR 368.4121 |
| | LKR | B | EUR 1 = | LKR 232.1963 | LKR 383.2022 | LKR 370.4145 | LKR 362.5223 |
| | | S | EUR 1 = | LKR 239.8119 | LKR 394.0627 | LKR 385.1851 | LKR 377.2409 |
| Sudan | | | | | | | |
| Khartoum | Sudanese pound = 100 piastres | B | USD 1 = | SDG 392.3129 | SDG 567.7500 | SDG 568.0000 | SDG 567.0000 |
| | | S | USD 1 = | SDG 395.0050 | SDG 572.0081 | SDG 572.2600 | SDG 571.2525 |
| | SDG | B | EUR 1 = | SDG 461.9386 | SDG 609.9906 | SDG 593.5032 | SDG 574.2009 |
| | | S | EUR 1 = | SDG 465.1035 | SDG 614.5655 | SDG 597.9545 | SDG 578.5074 |
| Suriname | | | | | | | |
| Paramaribo | Suriname dollar = 100 cents | B | USD 1 = | SRD 19.085 | SRD 21.896 | SRD 22.733 | SRD 23.658 |
| | | S | USD 1 = | SRD 19.411 | SRD 22.268 | SRD 22.925 | SRD 24.896 |
| | SRD | B | EUR 1 = | SRD 22.182 | SRD 23.362 | SRD 23.479 | SRD 24.581 |
| | | S | EUR 1 = | SRD 22.664 | SRD 23.696 | SRD 23.969 | SRD 24.693 |
| Sweden | | | | | | | |
| Stockholm | Swedish krona = 100 öre | B | USD 1 = | SEK 8.5290 | SEK 9.7480 | SEK 10.1669 | SEK 10.0837 |
| | | S | USD 1 = | SEK 8.6340 | SEK 9.8530 | SEK 10.2719 | SEK 10.1887 |
| | SEK | B | EUR 1 = | SEK 10.0942 | SEK 10.4716 | SEK 10.6226 | SEK 10.3208 |
| | | S | EUR 1 = | SEK 10.2092 | SEK 10.5866 | SEK 10.7376 | SEK 10.4358 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|--|-----------------|---------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Switzerland | | | | | | | |
| Berne | Swiss franc = 100 rappen/centimes CHF | B | USD 1 = | CHF 0.9143 | CHF 0.9612 | CHF 0.9557 | CHF 0.9526 |
| | | B | EUR 1 = | CHF 1.0798 | CHF 1.0311 | CHF 0.9978 | CHF 0.9737 |
| Syrian Arab Republic ¹ | | | | | | | |
| Damascus | Syrian pound = 100 piastres SYP | 2 B | USD 1 = | SYP 2,187.50 | SYP 2,800.00 | SYP 2,800.00 | SYP 2,800.00 |
| | | 2 B | USD 1 = | SYP 2,209.25 | SYP 2,828.00 | SYP 2,828.00 | SYP 2,828.00 |
| | | 2 B | EUR 1 = | SYP 2,574.25 | SYP 3,009.00 | SYP 2,920.00 | SYP 2,863.00 |
| | | 2 B | EUR 1 = | SYP 2,599.99 | SYP 3,039.09 | SYP 2,949.20 | SYP 2,891.63 |
| Tajikistan | | | | | | | |
| Dushanbe | Somoni = 100 diram TJS | M | USD 1 = | TJS 11.3083 | TJS 11.4000 | TJS 10.5578 | TJS 10.2664 |
| | | M | EUR 1 = | TJS 13.3782 | TJS 12.2641 | TJS 11.0730 | TJS 10.4574 |
| Tanzania, United Republic of | | | | | | | |
| Dodoma Seat of Government: Dar es Salaam | Tanzania shilling = 100 cents TZS | B | USD 1 = | TZS 2,286.3493 | TZS 2,289.2574 | TZS 2,292.7327 | TZS 2,293.0000 |
| | | S | USD 1 = | TZS 2,309.2125 | TZS 2,312.1500 | TZS 2,315.6600 | TZS 2,315.9300 |
| | | B | EUR 1 = | TZS 2,701.4482 | TZS 2,462.3253 | TZS 2,421.8135 | TZS 2,328.3122 |
| | | S | EUR 1 = | TZS 2,729.2322 | TZS 2,487.8734 | TZS 2,446.4948 | TZS 2,352.0585 |
| Thailand | | | | | | | |
| Bangkok | Thai baht = 100 satang THB | B | USD 1 = | THB 31.8272 | THB 34.0166 | THB 35.1302 | THB 36.6433 |
| | | S | USD 1 = | THB 32.1710 | THB 34.3568 | THB 35.4638 | THB 36.9776 |
| | | B | EUR 1 = | THB 37.5324 | THB 36.3643 | THB 36.4972 | THB 36.9664 |
| | | S | EUR 1 = | THB 38.3022 | THB 37.0922 | THB 37.2433 | THB 37.7074 |
| Togo ¹ | | | | | | | |
| Lomé | CFA franc XOF | B | USD 1 = | XOF 551.75 | XOF 607.00 | XOF 624.00 | XOF 637.00 |
| | | S | USD 1 = | XOF 558.75 | XOF 614.00 | XOF 631.00 | XOF 644.00 |
| | | 4 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Tonga | | | | | | | |
| Nuku'alofa | Pa'anga = 100 seniti TOP | M | TOP 1 = | USD 0.4416 | USD 0.4352 | USD 0.4263 | USD 0.4282 |
| | | M | TOP 1 = | EUR 0.3731 | EUR 0.4027 | EUR 0.4072 | EUR 0.4190 |
| Trinidad and Tobago | | | | | | | |
| Port-of-Spain | Trinidad and Tobago dollar = 100 cents TTD | B | USD 1 = | TTD 6.7168 | TTD 6.7043 | TTD 6.7311 | TTD 6.7274 |
| | | S | USD 1 = | TTD 6.7684 | TTD 6.7527 | TTD 6.7750 | TTD 6.7691 |
| | | B | EUR 1 = | TTD 7.9996 | TTD 7.1126 | TTD 6.9939 | TTD 7.1277 |
| | | S | EUR 1 = | TTD 8.5618 | TTD 7.9403 | TTD 7.5203 | TTD 7.3762 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Bank rate. ³ Exchange rate as of 3 July 2022. ⁴ Value against the euro.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|--|---|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Tunisia | | | | | | | |
| Tunis | Tunisian dinar = 1,000 millimes | B | USD 1 = | TND 2.7782 | TND 3.0269 | TND 3.0928 | TND 3.1227 |
| | | S | USD 1 = | TND 2.7810 | TND 3.0300 | TND 3.0958 | TND 3.1258 |
| | TND | B | EUR 1 = | TND 3.2860 | TND 3.2395 | TND 3.2251 | TND 3.1970 |
| | | S | EUR 1 = | TND 3.2892 | TND 3.2427 | TND 3.2283 | TND 3.2002 |
| Turkey | | | | | | | |
| Ankara | Turkish lira = 100 kuruş | B | USD 1 = | TRY 8.8869 | TRY 16.3562 | TRY 16.6690 | TRY 17.9044 |
| | | S | USD 1 = | TRY 8.9029 | TRY 16.3857 | TRY 16.6991 | TRY 17.9367 |
| | TRY | B | EUR 1 = | TRY 10.6978 | TRY 17.6019 | TRY 17.5221 | TRY 18.2176 |
| | | S | EUR 1 = | TRY 10.7171 | TRY 17.6336 | TRY 17.5536 | TRY 18.2504 |
| Turkmenistan ¹ | | | | | | | |
| Ashgabat | Turkmen manat = 100 tenge | 2 | USD 1 = | TMT 3.50 | TMT 3.50 | TMT 3.50 | TMT 3.50 |
| | | M | EUR 1 = | TMT 4.1413 | TMT 3.7667 | TMT 3.6799 | TMT 3.5683 |
| Kampala | Uganda shilling | B | USD 1 = | UGX 3,577.15 | UGX 3,777.43 | UGX 3,754.35 | UGX 3,863.26 |
| | | S | USD 1 = | UGX 3,587.15 | UGX 3,787.43 | UGX 3,764.35 | UGX 3,873.26 |
| | UGX | B | EUR 1 = | UGX 4,224.32 | UGX 4,046.09 | UGX 3,948.21 | UGX 3,910.18 |
| | | S | EUR 1 = | UGX 4,236.12 | UGX 4,056.80 | UGX 3,958.72 | UGX 3,920.30 |
| Ukraine ¹ | | | | | | | |
| Kyiv | Hryvnia = 100 kopyok | M | USD 1 = | UAH 27.2680 | UAH 29.2549 | UAH 29.2549 | UAH 36.5686 |
| | | M | EUR 1 = | UAH 32.2611 | UAH 31.5031 | UAH 30.7776 | UAH 36.9965 |
| United Arab Emirates ¹ | | | | | | | |
| Abu Dhabi | United Arab Emirates dirham = 100 fils | 2 | USD 1 = | AED 3.6725 | AED 3.6725 | AED 3.6725 | AED 3.6725 |
| | | V, M | EUR 1 = | AED 4.3436 | AED 3.9343 | AED 3.8146 | AED 3.7452 |
| United Kingdom ¹ | | | | | | | |
| London | Pound sterling = 100 pence | M | GBP 1 = | USD 1.3757 | USD 1.2601 | USD 1.2143 | USD 1.2162 |
| | | M | EUR 1 = | GBP 0.8581 | GBP 0.8501 | GBP 0.8607 | GBP 0.8383 |
| United States | | | | | | | |
| Washington | US dollar = 100 cents | M | EUR 1 = | USD 1.17966 | USD 1.0733 | USD 1.0482 | USD 1.0218 |
| | | M | GBP 1 = | USD 1.37555 | USD 1.2600 | USD 1.2175 | USD 1.2166 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar.

IV. Overview of world currencies *

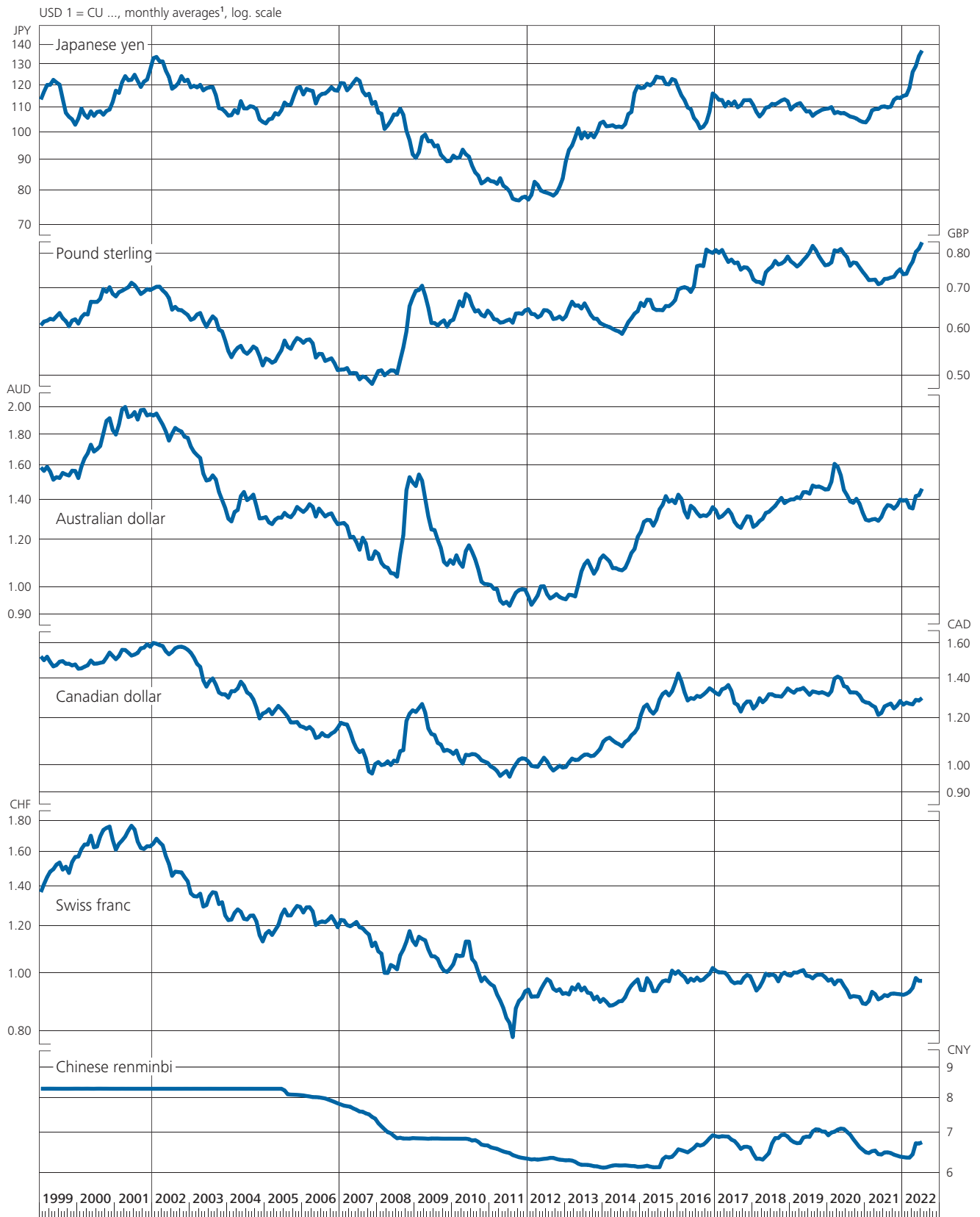
1. Currencies and exchange rates in individual countries (cont'd)

| Country 1 Capital | Currency ISO currency code | Type of rate | Unit | Annual average 2021 | Rate at end of month | | |
|---|---|-----------------|---------|---------------------------|----------------------------|----------------------------|----------------------------|
| | | | | | May 2022 | June 2022 | July 2022 |
| Uruguay | | | | | | | |
| Montevideo | Uruguayan peso = 100 centésimos UYU | M | USD 1 = | UYU 43.574 | UYU 39.902 | UYU 39.863 | UYU 40.934 |
| | | M | EUR 1 = | UYU 51.5154 | UYU 42.8388 | UYU 41.7784 | UYU 41.8345 |
| Uzbekistan | | | | | | | |
| Tashkent | Uzbekistan sum = 100 tiyin UZS | M | USD 1 = | UZS 10,624.97 | UZS 11,010.88 | UZS 10,860.25 | UZS 10,908.11 |
| | | M | EUR 1 = | UZS 12,568.72 | UZS 11,854.31 | UZS 11,414.12 | UZS 11,075.00 |
| Vanuatu | | | | | | | |
| Port Vila | Vatu VUV | B | USD 1 = | VUV 107.78 | VUV 111.72 | VUV 115.01 | VUV 114.31 |
| | | S | USD 1 = | VUV 114.63 | VUV 118.83 | VUV 122.33 | VUV 121.59 |
| | | B | EUR 1 = | VUV 128.25 | VUV 121.32 | VUV 121.00 | VUV 117.43 |
| | | S | EUR 1 = | VUV 133.43 | VUV 126.22 | VUV 125.89 | VUV 122.18 |
| Venezuela, Bolivarian Republic of ¹ | | | | | | | |
| Caracas | Bolivar = 100 céntimos VES | B | USD 1 = | VES 3.387736 ¹ | VES 5.052238 | VES 5.523058 | VES 5.778917 |
| | | S | USD 1 = | VES 3.396227 ¹ | VES 5.064900 | VES 5.536900 | VES 5.793400 |
| | | B | EUR 1 = | VES 3.978432 ¹ | VES 5.414837 | VES 5.773749 | VES 5.897731 |
| | | S | EUR 1 = | VES 3.988403 ¹ | VES 5.428408 | VES 5.788220 | VES 5.912512 |
| Viet Nam | | | | | | | |
| Hanoi | Dong = 10 hào = 100 xu VND | B | USD 1 = | VND 22,814 | VND 23,050 | VND 23,135 | VND 23,230 |
| | | S | USD 1 = | VND 23,014 | VND 23,330 | VND 23,415 | VND 23,510 |
| | | B | EUR 1 = | VND 26,590.89 | VND 24,527.29 | VND 23,943.82 | VND 23,457.45 |
| | | S | EUR 1 = | VND 27,719.15 | VND 25,642.21 | VND 25,032.07 | VND 24,523.41 |
| Yemen ¹ | | | | | | | |
| Sana'a | Yemeni rial = 100 fils YER | ² B | USD 1 = | YER 250.00 | YER . | YER . | YER . |
| | | ² S | USD 1 = | YER 250.50 | YER . | YER . | YER . |
| | | ² B | EUR 1 = | YER 294.98 | YER . | YER . | YER . |
| | | ² S | EUR 1 = | YER 295.57 | YER . | YER . | YER . |
| Zambia | | | | | | | |
| Lusaka | Kwacha = 100 ngwee ZMW | B | USD 1 = | ZMW 19.6748 | ZMW 17.2518 | ZMW 16.9357 | ZMW 16.3428 |
| | | S | USD 1 = | ZMW 19.7248 | ZMW 17.3018 | ZMW 16.9857 | ZMW 16.3928 |
| | | B | EUR 1 = | ZMW 23.2872 | ZMW 18.4336 | ZMW 17.6267 | ZMW 16.5912 |
| | | S | EUR 1 = | ZMW 23.3512 | ZMW 18.4939 | ZMW 17.6855 | ZMW 16.6485 |
| Zimbabwe ¹ | | | | | | | |
| Harare | Zimbabwe dollar = 100 cents ZWL | M | USD 1 = | ZWL 89.77495 | ZWL 290.88760 ³ | ZWL 366.26870 ³ | ZWL 416.28900 ³ |
| | | M | EUR 1 = | ZWL 105.85241 | ZWL 312.83565 ³ | ZWL 382.86175 ³ | ZWL 425.15655 ³ |
| | | ⁴ M | USD 1 = | ZWL . | ZWL 301.49940 | ZWL 370.96460 | ZWL 443.88230 |
| | | ⁴ M | EUR 1 = | ZWL . | ZWL 324.20485 | ZWL 387.60460 | ZWL 453.44900 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Central bank rate. ³ Auction rate. ⁴ Interbank market rate.

IV. Overview of world currencies*

2. Exchange rates of the US dollar against major currencies



* See Explanatory notes, p. 50. ¹ Calculated on the basis of national central banks' daily rates.

V. Value of the special drawing right in selected currencies *

SDR 1 = CU ... , year-end and month-end data as well as daily data

| Period | US dollar USD | Euro EUR | Chinese yuan (renminbi) CNY | Japanese yen JPY | Pound sterling GBP | Canadian dollar CAD | Swiss franc CHF | Danish krone DKK | Norwegian krone NOK | Swedish krona SEK |
|--------------|------------------|-------------|-----------------------------------|---------------------|-----------------------|------------------------|--------------------|---------------------|---------------------------|----------------------|
| 2007 | 1.58025 | 1.07346 | 11.53020 | 179.947 | 0.788780 | 1.56144 | 1.77857 | 8.02021 | 8.55074 | 10.2088 |
| 2008 | 1.54027 | 1.10675 | 10.52710 | 140.464 | 1.056570 | 1.88621 | 1.63839 | 8.18003 | 10.78020 | 12.0833 |
| 2009 | 1.56769 | 1.08822 | 10.70450 | 143.797 | 0.968007 | 1.64075 | 1.61551 | 8.10688 | 9.05608 | 11.3070 |
| 2010 | 1.54003 | 1.15966 | 10.19950 | 125.436 | 0.997755 | 1.54142 | 1.44702 | 8.64469 | 9.06742 | 10.4761 |
| 2011 | 1.53527 | 1.18654 | 9.67352 | 119.321 | 0.992989 | 1.56254 | 1.44453 | 8.82099 | 9.20039 | 10.6293 |
| 2012 | 1.53692 | 1.16583 | 9.66660 | 133.020 | 0.953662 | 1.52954 | 1.40874 | 8.69762 | 8.55432 | 10.0140 |
| 2013 | 1.54000 | 1.11732 | 9.39770 | 162.162 | 0.935148 | 1.63856 | 1.37291 | 8.33556 | 9.41398 | 10.0229 |
| 2014 | 1.44881 | 1.19332 | 8.86525 | 174.733 | 0.928247 | 1.68076 | 1.43301 | 8.86611 | 10.76930 | 11.3176 |
| 2015 | 1.38573 | 1.27283 | 8.99548 | 167.116 | 0.935104 | 1.91785 | 1.37478 | 9.47221 | 12.20690 | 11.5742 |
| 2016 | 1.34433 | 1.27534 | 9.34283 | 157.018 | 1.092780 | 1.80503 | 1.36826 | 9.48128 | 11.58810 | 12.2295 |
| 2017 | 1.42413 | 1.18747 | 9.27343 | 160.785 | 1.054020 | 1.78837 | 1.38967 | 8.84056 | 11.68500 | 11.7238 |
| 2018 | 1.39079 | 1.21424 | 9.53107 | 154.141 | 1.095500 | 1.89153 | 1.36451 | 9.06709 | 12.11060 | 12.4768 |
| 2019 | 1.38283 | 1.23588 | 9.66184 | 150.894 | 1.053860 | 1.80583 | 1.34362 | 9.23156 | 12.16850 | 12.8879 |
| 2020 | 1.44027 | 1.18385 | 9.41203 | 149.255 | 1.073230 | 1.85161 | 1.28162 | 8.80553 | 12.57700 | 11.9614 |
| 2021 | 1.39959 | 1.23748 | 8.91599 | 159.848 | 1.041830 | 1.79808 | 1.28791 | 9.20217 | 12.38880 | 12.7593 |
| 2020 Aug. | 1.41891 | 1.18837 | 9.72819 | 149.511 | 1.066180 | 1.85055 | 1.28376 | 8.84603 | 12.42440 | 12.2621 |
| 2020 Sep. | 1.40757 | 1.20223 | 9.58359 | 148.907 | 1.096880 | 1.87756 | 1.29778 | 8.95207 | 13.34580 | 12.6517 |
| 2020 Oct. | 1.41164 | 1.20674 | 9.45555 | 147.629 | 1.087220 | 1.88002 | 1.29370 | 8.98610 | 13.38760 | 12.5822 |
| 2020 Nov. | 1.43009 | 1.19373 | 9.41673 | 148.544 | 1.070790 | 1.85411 | 1.29166 | 8.88289 | 12.60700 | 12.1290 |
| 2020 Dec. | 1.44027 | 1.18385 | 9.41203 | 149.255 | 1.073230 | 1.85161 | 1.28162 | 8.80553 | 12.57700 | 11.9614 |
| 2021 Jan. | 1.44080 | 1.18721 | 9.30960 | 150.535 | 1.050300 | 1.84135 | 1.28080 | 8.82924 | 12.27940 | 12.0514 |
| 2021 Feb. | 1.43927 | 1.18742 | 9.30691 | 152.894 | 1.033590 | 1.82572 | 1.30405 | 8.82979 | 12.35050 | 11.9590 |
| 2021 Mar. | 1.41721 | 1.20871 | 9.29731 | 156.885 | 1.029650 | 1.78214 | 1.33650 | 8.98949 | 12.08160 | 12.3636 |
| 2021 Apr. | 1.43599 | 1.18853 | 9.29861 | 156.451 | 1.032190 | 1.76411 | 1.30596 | 8.80375 | 11.82980 | 12.0400 |
| 2021 May | 1.44467 | 1.18435 | 9.21175 | 157.758 | 1.022770 | 1.75160 | 1.29738 | 8.80716 | 12.07480 | 12.0046 |
| 2021 June | 1.42642 | 1.20029 | 9.21311 | 157.620 | 1.028940 | 1.76791 | 1.31645 | 8.92554 | 12.20900 | 12.1393 |
| 2021 July | 1.42877 | 1.20156 | 9.22526 | 156.450 | 1.022890 | 1.78053 | 1.29325 | 8.93711 | 12.54490 | 12.2277 |
| 2021 Aug. | 1.42426 | 1.20353 | 9.20073 | 156.483 | 1.034390 | 1.79698 | 1.30170 | 8.94943 | 12.34820 | 12.2378 |
| 2021 Sep. | 1.40887 | 1.21675 | 9.10606 | 157.667 | 1.048660 | 1.80099 | 1.31934 | 9.04781 | 12.36820 | 12.3855 |
| 2021 Oct. | 1.41538 | 1.21544 | 9.04486 | 160.858 | 1.026830 | 1.75281 | 1.28948 | 9.04159 | 11.85000 | 12.0583 |
| 2021 Nov. | 1.40080 | 1.23277 | 8.92530 | 159.411 | 1.049950 | 1.79190 | 1.28712 | 9.16792 | 12.67230 | 12.6469 |
| 2021 Dec. | 1.39959 | 1.23748 | 8.91599 | 159.848 | 1.041830 | 1.79808 | 1.28791 | 9.20217 | 12.38880 | 12.7593 |
| 2022 Jan. | 1.39178 | 1.24756 | 8.85089 | 160.653 | 1.038330 | 1.77021 | 1.29986 | 9.28428 | 12.48620 | 13.0564 |
| 2022 Feb. | 1.39486 | 1.24553 | 8.80282 | 161.176 | 1.041370 | 1.77120 | 1.28565 | 9.26715 | 12.38860 | 13.2894 |
| 2022 Mar. | 1.38240 | 1.24529 | 8.76816 | 169.206 | 1.053220 | 1.72745 | 1.27886 | 9.26235 | 12.09310 | 12.8067 |
| 2022 Apr. | 1.34430 | 1.27543 | 8.85442 | 174.625 | 1.069500 | 1.71963 | 1.30471 | 9.49109 | 12.43860 | 13.1293 |
| 2022 May | 1.34970 | 1.25987 | 8.99062 | 173.032 | 1.072130 | 1.70710 | 1.29578 | 9.37269 | 12.72250 | 13.2277 |
| 2022 June | 1.32778 | 1.27831 | 8.88920 | 181.415 | 1.096520 | 1.71098 | 1.27374 | 9.50959 | 13.22850 | 13.5691 |
| 2022 July | 1.32360 | 1.29790 | 8.90599 | 176.039 | 1.086520 | 1.69738 | 1.25954 | 9.66137 | 12.87810 | 13.4163 |
| 2022 June 22 | 1.33347 | 1.26744 | 8.96186 | 181.979 | 1.088640 | 1.72578 | 1.28707 | 9.42809 | 13.31380 | 13.5528 |
| 2022 June 23 | 1.33340 | 1.27075 | 8.94454 | 180.275 | 1.091780 | 1.73101 | 1.28759 | 9.45287 | 13.31100 | 13.5598 |
| 2022 June 24 | 1.33599 | 1.26947 | 8.94550 | 180.613 | 1.085690 | 1.72784 | 1.27874 | 9.44465 | 13.24630 | . |
| 2022 June 27 | 1.33753 | 1.26516 | 8.94302 | 180.032 | 1.089680 | 1.72367 | 1.28175 | 9.41380 | 13.16780 | 13.4692 |
| 2022 June 28 | 1.33632 | 1.26533 | 8.93559 | 181.004 | 1.091670 | 1.71904 | 1.27752 | 9.41327 | 13.07970 | 13.4312 |
| 2022 June 29 | 1.33288 | 1.26736 | 8.93352 | 181.419 | 1.096350 | 1.71649 | 1.26757 | 9.42818 | 13.06200 | 13.5624 |
| 2022 June 30 | 1.32778 | 1.27831 | 8.88920 | 181.415 | 1.096520 | 1.71098 | 1.27374 | 9.50959 | 13.22850 | 13.5691 |
| 2022 July 1 | 1.32989 | 1.27568 | 8.91583 | 180.839 | 1.103100 | . | 1.27716 | 9.48983 | 13.22250 | 13.6853 |
| 2022 July 5 | 1.32333 | 1.28604 | 8.86328 | 180.145 | 1.100670 | 1.72536 | 1.27688 | 9.56755 | 13.22680 | 13.7429 |
| 2022 July 6 | 1.31876 | 1.29583 | 8.84494 | 178.930 | 1.106480 | 1.72059 | 1.28144 | 9.64134 | 13.32150 | 13.8349 |
| 2022 July 7 | 1.31888 | 1.29556 | 8.84956 | 178.973 | 1.099990 | 1.71270 | 1.28321 | 9.63958 | 13.33260 | 13.8938 |
| 2022 July 8 | 1.31701 | 1.29589 | 8.83041 | 179.140 | 1.098650 | . | 1.28632 | 9.64450 | 13.29970 | 13.9444 |
| 2022 July 11 | 1.31489 | 1.30213 | 8.82200 | 179.417 | 1.099590 | 1.70936 | 1.28905 | 9.68973 | 13.41060 | 13.9306 |
| 2022 July 12 | 1.30973 | 1.30425 | 8.82169 | 179.629 | 1.105680 | 1.70461 | 1.29041 | 9.70469 | 13.40170 | 13.9536 |
| 2022 July 13 | 1.31198 | 1.30325 | 8.81655 | 179.899 | 1.101120 | 1.70243 | 1.28240 | 9.69829 | 13.34890 | 13.9170 |
| 2022 July 14 | 1.30751 | 1.30686 | 8.81042 | 180.437 | 1.105630 | 1.71781 | 1.28666 | 9.72630 | 13.40010 | 13.8471 |
| 2022 July 15 | 1.30931 | 1.30163 | 8.85755 | 181.863 | 1.105880 | . | 1.28260 | . | . | . |
| 2022 July 18 | 1.31528 | 1.29827 | 8.86831 | . | 1.097530 | 1.70303 | 1.28398 | 9.66380 | 13.31420 | 13.6876 |
| 2022 July 19 | 1.32007 | 1.28850 | 8.90226 | 182.460 | 1.097770 | 1.70342 | 1.27750 | 9.59279 | 13.11190 | 13.6081 |
| 2022 July 20 | 1.31643 | 1.29075 | 8.89000 | 181.865 | 1.098720 | 1.69609 | 1.27733 | 9.60984 | 13.07820 | 13.4287 |
| 2022 July 21 | 1.31528 | 1.28962 | 8.89696 | 182.100 | 1.099550 | 1.69605 | 1.27931 | 9.60061 | 13.12190 | 13.4418 |
| 2022 July 22 | 1.31540 | 1.29088 | 8.90385 | 180.631 | 1.100390 | 1.69371 | 1.27002 | 9.60966 | 13.10210 | 13.4847 |
| 2022 July 25 | 1.31985 | 1.28942 | 8.91504 | 180.292 | 1.095220 | 1.69627 | 1.27174 | 9.59969 | 12.98490 | 13.4734 |
| 2022 July 26 | 1.31571 | 1.29959 | 8.89047 | 179.528 | 1.096510 | 1.69502 | 1.26926 | 9.67530 | 13.00960 | 13.4190 |
| 2022 July 27 | 1.31678 | 1.29706 | 8.90060 | 180.385 | 1.091810 | 1.69495 | 1.26595 | 9.65605 | 12.91320 | 13.5538 |
| 2022 July 28 | 1.31692 | 1.30104 | 8.87997 | 178.179 | 1.086570 | 1.69026 | 1.26622 | 9.68523 | 12.87810 | 13.4598 |
| 2022 July 29 | 1.32360 | 1.29790 | 8.90599 | 176.039 | 1.086520 | 1.69738 | 1.25954 | 9.66137 | . | 13.4163 |
| 2022 Aug. 1 | 1.32475 | 1.29458 | 8.94494 | 175.529 | 1.081960 | . | . | 9.63911 | 12.76950 | 13.4673 |
| 2022 Aug. 2 | 1.32410 | 1.29509 | 8.95183 | 173.259 | 1.085020 | 1.70226 | 1.26167 | 9.63958 | 12.86090 | 13.4718 |
| 2022 Aug. 3 | 1.32102 | 1.29588 | 8.92148 | 176.687 | 1.084400 | 1.69791 | 1.26633 | 9.64488 | 12.79590 | 13.5019 |
| 2022 Aug. 4 | 1.32026 | 1.29679 | 8.91798 | 176.413 | 1.084630 | 1.69706 | 1.26672 | 9.65139 | 12.84670 | 13.4663 |
| 2022 Aug. 5 | 1.32270 | 1.29258 | 8.92443 | 175.932 | 1.089450 | 1.71078 | 1.26364 | 9.61881 | 12.90250 | 13.3962 |
| 2022 Aug. 8 | 1.31927 | 1.29353 | 8.91512 | 178.629 | 1.089770 | 1.69619 | 1.26320 | 9.62445 | 12.85830 | 13.4111 |
| 2022 Aug. 9 | 1.32069 | 1.29050 | 8.92180 | 178.109 | 1.090810 | 1.70105 | 1.25888 | 9.60227 | 12.82300 | 13.4073 |
| 2022 Aug. 10 | 1.32119 | 1.28871 | 8.92817 | 178.624 | 1.092160 | 1.68966 | 1.25367 | 9.58754 | 12.77350 | 13.4404 |
| 2022 Aug. 11 | 1.32776 | 1.28435 | 8.94686 | . | 1.087840 | 1.69330 | 1.25009 | 9.55502 | 12.59180 | 13.3199 |
| 2022 Aug. 12 | 1.32455 | 1.28785 | 8.92045 | 176.629 | 1.092140 | 1.69317 | 1.24905 | 9.58084 | 12.63770 | 13.3704 |

Source: IMF, Washington. * See Explanatory notes, pp. 50-51. 1 ISO currency code: XDR.

VI. Global exchange rate arrangements and monetary policy framework *

As of end-April 2020

| Exchange rate arrangement | Monetary policy framework | | | | | | |
|--|---|--|----------------------------------|---|---|--|--|
| | Exchange rate target | | | | Monetary aggregate target | Inflation-targeting framework | Other ¹ |
| | Exchange rate anchor | | | | | | |
| | US dollar | Euro | Composite | Other | | | |
| No separate legal tender | Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste | Kosovo Montenegro San Marino | | Kiribati Nauru Tuvalu | | | |
| Currency board | Djibouti Hong Kong ECCU ² Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines | Bosnia and Herzegovina Bulgaria | | Brunei Darussalam | | | |
| Conventional peg | Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Iraq Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates | Cabo Verde Comoros Denmark ⁴ Sao Tome and Principe WAEMU ⁵ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁶ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon | Fiji Libya | Bhutan Eswatini Lesotho Namibia Nepal | Samoa ³ | | Solomon Islands ³ |
| Stabilised arrangement | Guyana Iran, Islamic Republic of ⁷ Lebanon Maldives Trinidad and Tobago | Croatia North Macedonia | Morocco Viet Nam ⁷ | | Bolivia, Plurinational State of ⁷ Nigeria ⁷ Suriname ⁷ Tanzania, United Republic of ⁷ Yemen ⁷ | Armenia ^{7,8} Guatemala ⁷ Serbia Sri Lanka ^{7,8} | Azerbaijan ⁷ Kyrgyzstan ⁷ Malawi ^{7,8} Sudan ⁷ Tajikistan ^{7,9} |
| Crawling peg | Honduras Nicaragua | | Botswana | | | | |
| Pegged exchange rate within horizontal bands | | | | | | | |

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2020, Table 4, IMF, Washington. * See Explanatory notes, pp. 51-52. ¹ Includes countries that have no explicitly stated nominal anchor, but rather monitor various indicators in conducting monetary policy. ² The members participate in the Eastern Caribbean Currency

Union. ³ The country maintains a de facto exchange rate anchor to a composite. ⁴ The member participates in ERM II. ⁵ The members participate in the West African Economic and Monetary Union. ⁶ The members participate in the Central African Economic and Monetary Community. ⁷ The country maintains a de facto

VI. Global exchange rate arrangements and monetary policy framework *

As of end-April 2020

| Exchange rate arrangement | Monetary policy framework | | | | | | |
|---------------------------|---------------------------|------|--------------------------------|-------|---|---|--|
| | Exchange rate target | | | | Monetary aggregate target | Inflation-targeting framework | Other ¹ |
| | Exchange rate anchor | | | | | | |
| | US dollar | Euro | Composite | Other | | | |
| Crawl-like-arrangement | Cambodia Liberia | | Singapore | | Algeria ⁷ Bangladesh ⁷ Burundi ⁷ Congo, Democratic Republic of the ⁷ Ethiopia ⁷ Guinea ^{7,11} Papua New Guinea ⁷ | Costa Rica Dominican Republic ⁷ Paraguay ^{7,8} Romania ¹⁰ | Egypt ^{7,9} Haiti ⁷ Lao People's Democratic Republic ⁷ Mauritania ⁷ Mongolia ⁹ Rwanda ⁷ South Sudan ⁷ Tunisia ^{9,10} Uzbekistan ^{7,9} |
| Other managed arrangement | | | Kuwait Syrian Arab Republic | | Afghanistan Angola ^{8,11} China Gambia Myanmar Sierra Leone Zimbabwe | | Argentina Kenya ⁹ Pakistan ^{9,11} Tonga Vanuatu Venezuela, Bolivarian Republic of |
| Floating | | | | | Belarus Madagascar | Albania Brazil Chile Colombia Georgia Ghana Hungary Iceland India Indonesia Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Peru Philippines Seychelles South Africa Thailand Turkey Uganda Ukraine Uruguay | Malaysia Mauritius Mozambique ⁹ Switzerland ^{8,11} Zambia |
| Free floating | | | | | | Australia Canada Czechia Japan Mexico Norway Poland Russian Federation Sweden United Kingdom | Somalia ¹² United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain |

exchange rate anchor to the US dollar. ⁸ The exchange rate arrangement was reclassified twice during this reporting period. ⁹ The central bank is in transition towards inflation targeting. ¹⁰ The country maintains a de facto exchange rate anchor to the

euro. ¹¹ The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. ¹² Currently the Central Bank of Somalia does not have a monetary policy framework.

VII. ISO currency codes *

| ISO code | Currency | Country 1 or territory | ISO code | Currency | Country 1 or territory | ISO code | Currency | Country 1 or territory |
|----------|-------------------------------|---|----------|-----------------------|---|----------|-----------------------|--|
| AED | United Arab Emirates dirham | United Arab Emirates | CUP | Cuban peso | Cuba | GMD | Dalasi | Gambia |
| AFN | Afghani | Afghanistan | CVE | Cabo Verde escudo | Cabo Verde | GNF | Guinean franc | Guinea |
| ALL | Albanian lek | Albania | CZK | Czech koruna | Czechia | GTQ | Quetzal | Guatemala |
| AMD | Armenian dram | Armenia | | | | GYP | Guyana dollar | Guyana |
| ANG | Netherlands Antillean guilder | Curaçao Sint Maarten (southern part) | DJF | Djibouti franc | Djibouti | HKD | Hong Kong dollar | Hong Kong |
| AOA | Kwanza | Angola | DKK | Danish krone | Denmark Faroe Islands Greenland | HNL | Lempira | Honduras |
| ARS | Argentine peso | Argentina | DOP | Dominican peso | Dominican Republic | HRK | Kuna | Croatia |
| AUD | Australian dollar | Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu | DZD | Algerian dinar | Algeria | HTG | Gourde | Haiti |
| | | | EGP | Egyptian pound | Egypt | HUF | Hungarian forint | Hungary |
| AWG | Aruban florin | Aruba | ERN | Nakfa | Eritrea | IDR | Indonesian rupiah | Indonesia |
| AZN | Azerbaijan manat | Azerbaijan | ETB | Birr | Ethiopia | ILS | New shekel | Israel |
| | | | EUR | Euro | Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain | INR | Indian rupee | India Bhutan |
| BAM | Convertible marka | Bosnia and Herzegovina | | | Åland Islands Andorra (French) Guiana Guadeloupe Martinique Mayotte Monaco Montenegro Réunion Saint Pierre and Miquelon Saint Barthélemy Saint Martin (northern part) San Marino Vatican City | IQD | Iraqi dinar | Iraq |
| BBD | Barbados dollar | Barbados | | | | IRR | Iranian rial | Iran, Islamic Republic of |
| BDT | Taka | Bangladesh | | | | ISK | Icelandic krona | Iceland |
| BGN | Bulgarian lev | Bulgaria | | | | JMD | Jamaican dollar | Jamaica |
| BHD | Bahraini dinar | Bahrain | | | | JOD | Jordanian dinar | Jordan |
| BIF | Burundi franc | Burundi | | | | JPY | Japanese yen | Japan |
| BMD | Bermudian dollar | Bermuda | | | | | | |
| BND | Brunei dollar | Brunei Darussalam | | | | KES | Kenya shilling | Kenya |
| BOB | Boliviano | Bolivia, Plurinational State of | | | | KGS | Kyrgyz som | Kyrgyzstan |
| BRL | Brazilian real | Brazil | | | | KHR | Riel | Cambodia |
| BSD | Bahamian dollar | Bahamas | | | | KMF | Comorian franc | Comoros |
| BTN | Ngultrum | Bhutan | | | | KPW | North Korean won | Korea, Democratic People's Republic of |
| BWP | Pula | Botswana | | | | KRW | South Korean won | Korea, Republic of |
| BYN | Belarusian rouble | Belarus | | | | KWD | Kuwaiti dinar | Kuwait |
| BZD | Belize dollar | Belize | | | | KYD | Cayman Islands dollar | Cayman Islands |
| | | | FJD | Fiji dollar | Fiji | KZT | Tenge | Kazakhstan |
| CAD | Canadian dollar | Canada | FKP | Fakland Islands pound | Falkland Islands (Islas Malvinas) | | | |
| CDF | Congo franc | Congo, Democratic Republic of the | | | | LAK | Kip | Lao People's Democratic Republic |
| CHF | Swiss franc | Switzerland Liechtenstein | GBP | Pound sterling | United Kingdom Guernsey Isle of Man Jersey | LBP | Lebanese pound | Lebanon |
| CLP | Chilean peso | Chile | | | | LKR | Sri Lanka rupee | Sri Lanka |
| CNY | Chinese renminbi | China | GEL | Lari | Georgia | LRD | Liberian dollar | Liberia |
| COP | Colombian peso | Colombia | GHS | Ghana cedi | Ghana | LSL | Loti | Lesotho |
| CRC | Costa Rican colón | Costa Rica | GIP | Gibraltar pound | Gibraltar | LYD | Libyan dinar | Libya |

* Extracted and compiled from ISO communications. 1 See Explanatory notes on individual countries, pp. 53 ff.

Explanatory notes

Euro foreign exchange reference rates of the European Central Bank

On 1 January 1999, 11 Member States of the European Union initially adopted the euro as their single currency. On 1 January 2001, Greece joined the euro area, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009, Estonia on 1 January 2011, Latvia on 1 January 2014 and Lithuania on 1 January 2015 (for details, see Table I. 1., p. 7).

Since the introduction of the euro, there has been no autonomous foreign exchange market for the currencies replaced by the euro; the euro alone is quoted against non-euro area currencies, such as the US dollar and the Japanese yen.

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016. For information on the framework for the euro foreign exchange reference rates, see the ECB's website: <https://www.ecb.europa.eu/stats/pdf/exchange/Frameworkfortheeuroforeignexchangereference-rates.en.pdf?c883afa875c74877fdf4634dcb85688c>.

Effective euro exchange rates

The indices of the nominal effective exchange rates of the euro are designed to measure, in aggregated form, the impact of changes in exchange rates on the price competitiveness of the euro area economy as a whole. They are calculated by the Deutsche Bundesbank on the basis of weighted averages of the bilateral euro exchange rates against the currencies of selected trading partners of the euro area, with Q1 1999 = 100. An increase in the index rate indicates an appreciation of the euro and thus, taken in isolation, a negative impact on the price competitiveness of the domestic economy. The weights are based on the trade in manufactured goods (Sections 5 to 8 of the Standard International Trade Classification (SITC)) and

services (Extended Balance of Payments Services Classification (EBOPS) – Total EBOPS services) and also reflect third-market effects.

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on page 49 shows trading partners' membership of the EER-19 and EER-42 groups as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the preceding period. See the ECB's website for information on the revised trade weights published from July 2020 (<https://www.ecb.europa.eu/stats/pdf/exchange/updatedtradeweights201708202007.pdf?f184ad85cc2c5ccefcd05680706893cde>).

The real effective exchange rates of the euro additionally take account of the differences in price movements between the groups of countries under review. If the current price indices for determining the real effective exchange rate based on consumer price indices are not yet available, estimates are used for the calculation.

For further information on the calculation method, see the ECB's methodological notes relating to the daily nominal effective exchange rate of the euro and ECB Occasional Paper No 134 of June 2012, which can be downloaded from the ECB's website (www.ecb.europa.eu).

Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro. For more detailed information on methodology and weighting scale, see the website of the Deutsche Bundesbank (<https://www.bundesbank.de/content/796162>).

The indicators are broken down into three groups in Table III. 3. (p. 17).

The group of 26 selected industrialised countries comprises the respective composition of euro area countries (see Table I. 1., p. 7) as well as Canada, Denmark, Japan,

Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro^o

Figures in %

As of July 2020

| Trading partner | Calculation period for weights ¹ | | | | | | | | | | | |
|---|---|---------------------------|--------------|--------------|--------------|--------------|-------------------|---------------------------|--------------|--------------|--------------|--------------|
| | EER-19 | | | | | | EER-42 | | | | | |
| | 1995 to 1997 | 1998 to 2000 | 2007 to 2009 | 2010 to 2012 | 2013 to 2015 | 2016 to 2018 | 1995 to 1997 | 1998 to 2000 | 2007 to 2009 | 2010 to 2012 | 2013 to 2015 | 2016 to 2018 |
| | Period of use of weights ¹ | | | | | | | | | | | |
| | Up to end of 1997 | 1998 to 2000 ² | 2007 to 2009 | 2010 to 2012 | 2013 to 2015 | From 2016 | Up to end of 1997 | 1998 to 2000 ² | 2007 to 2009 | 2010 to 2012 | 2013 to 2015 | From 2016 |
| EER-42 group | | | | | | | 100 | 100 | 100 | 100 | 100 | 100 |
| EER-19 group | 100 | 100 | 100 | 100 | 100 | 100 | | | | | | |
| Australia | 1.00 | 0.90 | 1.04 | 1.14 | 1.04 | 1.01 | 0.82 | 0.75 | 0.82 | 0.89 | 0.82 | 0.80 |
| Bulgaria | 0.27 | 0.31 | 0.63 | 0.59 | 0.63 | 0.67 | 0.22 | 0.26 | 0.50 | 0.46 | 0.49 | 0.53 |
| Canada | 1.84 | 1.95 | 1.89 | 1.86 | 1.80 | 1.76 | 1.51 | 1.61 | 1.50 | 1.45 | 1.42 | 1.39 |
| China | 4.13 | 4.86 | 13.65 | 16.69 | 17.48 | 17.55 | 3.38 | 4.01 | 10.83 | 13.05 | 13.76 | 13.88 |
| Croatia | 0.66 | 0.55 | 0.75 | 0.59 | 0.58 | 0.64 | 0.54 | 0.45 | 0.60 | 0.46 | 0.45 | 0.51 |
| Czechia | 2.37 | 2.52 | 4.34 | 4.35 | 4.24 | 4.57 | 1.94 | 2.08 | 3.45 | 3.40 | 3.33 | 3.62 |
| Denmark | 3.14 | 2.81 | 2.92 | 2.51 | 2.42 | 2.36 | 2.57 | 2.33 | 2.32 | 1.96 | 1.91 | 1.86 |
| Hong Kong | 3.63 | 3.30 | 2.61 | 2.58 | 2.56 | 2.26 | 2.96 | 2.73 | 2.07 | 2.02 | 2.01 | 1.79 |
| Hungary | 1.62 | 2.17 | 2.86 | 2.61 | 2.68 | 2.81 | 1.32 | 1.79 | 2.27 | 2.04 | 2.11 | 2.22 |
| Japan | 10.01 | 9.05 | 6.23 | 5.86 | 4.81 | 4.86 | 8.18 | 7.47 | 4.94 | 4.59 | 3.78 | 3.85 |
| Korea, Republic of | 2.86 | 2.56 | 3.29 | 3.21 | 3.07 | 2.98 | 2.33 | 2.11 | 2.61 | 2.51 | 2.42 | 2.36 |
| Norway | 1.69 | 1.59 | 1.73 | 1.59 | 1.44 | 1.27 | 1.38 | 1.31 | 1.37 | 1.24 | 1.14 | 1.00 |
| Poland | 2.59 | 2.95 | 5.53 | 5.71 | 5.94 | 6.48 | 2.12 | 2.43 | 4.39 | 4.47 | 4.67 | 5.13 |
| Romania | 0.71 | 0.80 | 1.83 | 1.87 | 2.09 | 2.33 | 0.58 | 0.66 | 1.45 | 1.46 | 1.65 | 1.84 |
| Singapore | 2.39 | 2.06 | 2.06 | 2.21 | 2.07 | 2.17 | 1.95 | 1.70 | 1.64 | 1.73 | 1.63 | 1.72 |
| Sweden | 5.11 | 4.89 | 4.45 | 4.30 | 4.09 | 3.91 | 4.17 | 4.03 | 3.53 | 3.36 | 3.22 | 3.10 |
| Switzerland | 9.70 | 8.60 | 8.15 | 8.33 | 7.81 | 7.35 | 7.92 | 7.10 | 6.46 | 6.51 | 6.14 | 5.82 |
| United Kingdom | 22.91 | 22.40 | 17.07 | 15.53 | 15.74 | 15.09 | 18.72 | 18.49 | 13.55 | 12.14 | 12.39 | 11.94 |
| United States | 23.37 | 25.73 | 18.97 | 18.47 | 19.51 | 19.93 | 19.09 | 21.24 | 15.05 | 14.44 | 15.35 | 15.77 |
| Additional countries in the EER-42 group | | | | | | | | | | | | |
| Algeria | | | | | | | 0.36 | 0.32 | 0.40 | 0.39 | 0.40 | 0.30 |
| Argentina | | | | | | | 0.53 | 0.50 | 0.35 | 0.44 | 0.36 | 0.34 |
| Brazil | | | | | | | 1.28 | 1.24 | 1.43 | 1.58 | 1.39 | 1.16 |
| Chile | | | | | | | 0.34 | 0.30 | 0.41 | 0.40 | 0.32 | 0.27 |
| China (Taiwan) | | | | | | | 1.82 | 1.88 | 1.26 | 1.28 | 1.16 | 1.22 |
| Colombia | | | | | | | 0.21 | 0.17 | 0.19 | 0.20 | 0.20 | 0.18 |
| Iceland | | | | | | | 0.07 | 0.08 | 0.10 | 0.09 | 0.09 | 0.11 |
| India | | | | | | | 1.13 | 1.16 | 2.27 | 2.64 | 2.64 | 2.84 |
| Indonesia | | | | | | | 0.81 | 0.61 | 0.54 | 0.64 | 0.62 | 0.62 |
| Israel | | | | | | | 1.04 | 1.04 | 0.75 | 0.79 | 0.84 | 0.91 |
| Malaysia | | | | | | | 1.13 | 1.01 | 0.95 | 0.96 | 0.92 | 0.87 |
| Mexico | | | | | | | 0.76 | 1.07 | 1.04 | 1.13 | 1.20 | 1.32 |
| Morocco | | | | | | | 0.53 | 0.60 | 0.66 | 0.64 | 0.66 | 0.72 |
| New Zealand | | | | | | | 0.17 | 0.13 | 0.14 | 0.14 | 0.15 | 0.15 |
| Peru | | | | | | | 0.13 | 0.10 | 0.12 | 0.15 | 0.15 | 0.16 |
| Philippines | | | | | | | 0.36 | 0.45 | 0.34 | 0.33 | 0.39 | 0.42 |
| Russian Federation | | | | | | | 2.29 | 1.75 | 3.11 | 3.34 | 3.08 | 2.56 |
| Saudi Arabia | | | | | | | 0.46 | 0.42 | 0.66 | 0.68 | 0.80 | 0.75 |
| South Africa | | | | | | | 0.88 | 0.82 | 0.89 | 0.84 | 0.75 | 0.71 |
| Thailand | | | | | | | 1.13 | 0.89 | 0.95 | 0.99 | 1.05 | 1.16 |
| Turkey | | | | | | | 2.00 | 2.09 | 2.59 | 2.66 | 2.68 | 2.59 |
| Ukraine | | | | | | | 0.43 | 0.36 | 0.66 | 0.60 | 0.44 | 0.41 |
| United Arab Emirates | | | | | | | 0.44 | 0.46 | 0.84 | 0.91 | 1.02 | 1.10 |

^o Weights based on trade in goods and services. Figures have been rounded. In addition, the ECB publishes weighting schemes and indicators for a group of 12 countries. ¹ Selected calculation periods; for a comprehensive overview, see <https://www.bundesbank.de/en/statistics/exchange-rates/effective-exchange-rates-/methodology-and-quality-796162>. ² Including the reference period of the indices.

Norway, Sweden, Switzerland, the United Kingdom and the United States.

The group of 37 countries comprises the euro area countries and the countries of the EER-19 group; the group of 60 countries consists of the euro area countries as well as the countries of the EER-42 group.

■ Overview of world currencies

The end-of-month exchange rates listed in Table IV. 1. (pp. 18-40) are the latest rates known to us at the end of a given month; in general, they have been taken from reliable sources (central bank or a commercial bank in the country in question). However, we do not know whether transactions were actually executed at those rates in all cases. If no exchange rates for euro or US dollar are available from a country, we have calculated comparative values at the exchange rates or parities available and identified them with a "V" in the column "type of rate".

The previous-year average specified in this table was basically calculated from all of the rates or comparable figures available to us.

In addition to the generally accepted currency name and its abbreviation, the three-character alphabetical ISO currency code is specified (see Table VII., pp. 46-47). This was developed by the International Organization for Standardization as ISO Standard 4217. This currency code is designed to enable uniformly abbreviated designations for currency-related values to be used in international financial transactions. This applies, inter alia, to all external payments under the SWIFT system. The ISO code should not, however, be confused with the official national currency abbreviations.

■ Value of the special drawing right

The value of a SDR (ISO code: XDR) is currently defined as the sum of the values of fixed amounts of five currencies.

The composition of the currency basket as well as the weights and amounts of the currency units in the basket are generally reviewed every five years. As a result of the latest review, conducted in 2022, since 1 August 2022, the SDR basket has contained the fixed currency amounts shown in column (a). These were fixed on 29 July 2022 on the basis of the average exchange rates in the London spot exchange market over the preceding three-month period (2 May to 29 July, 2022) and the initial new percentage

weights (column b) such that, on 29 July 2022, the new SDR value corresponded with the value calculated on the basis of the old basket (see <https://www.imf.org/en/Publications/Policy-Papers/Issues/2022/07/29/Review-of-the-Method-of-Valuation-of-the-SDR-Amendment-to-Rule-O-1-521564>).

| | (a) | (b) |
|-------------------------|----------|-------|
| US dollar | 0.57813 | 43.38 |
| Euro | 0.37379 | 29.31 |
| Chinese yuan (renminbi) | 1.0993 | 12.28 |
| Japanese yen | 13.452 | 7.59 |
| Pound sterling | 0.080870 | 7.44 |

The above-mentioned currency amounts are converted into US dollar amounts on the basis of the market rates on every business day. In principle, the middle rates between the buying and selling rates fixed at noon in the London spot exchange market are used as market rates. The sum of the US dollar equivalents of the currency amounts yields the value of the SDR expressed in terms of the US dollar. Values of the SDR in terms of all other currencies are ascertained, using the value for the SDR in terms of the US dollar, from the representative market exchange rates of these currencies vis-à-vis the US dollar; for the euro, it is the foreign exchange reference rate of the European Central Bank.

The current criteria for inclusion were adopted by the Executive Board in 2000. They establish that the SDR basket comprises the currencies that are issued by member countries or monetary unions whose exports had the largest value over a five-year period, and have been determined by the IMF to be "freely usable". In the case of a monetary union, exports of goods and services do not cover cross-border trade between the members of the monetary union.

The export criterion, which acts as a "gateway", aims to ensure that currencies that qualify for the basket are those issued by member countries or monetary unions that play a central role in the global economy. This criterion has been part of the SDR methodology since the 1970s.

The requirement for currencies in the SDR basket to be also freely usable is the second criterion, and it was incorporated in 2000 to reflect formally the importance of financial transactions for the purposes of valuing the SDR basket.

A "freely usable" currency is defined in the IMF's Articles of Agreement to mean a currency that the IMF determines

is, in fact, widely used to make payments for international transactions, and is widely traded in the major exchange markets. The concept of a freely usable currency concerns the actual international use and trading of a currency, and is different from whether a currency is either freely floating or fully convertible. A currency can be widely used and widely traded even if it is subject to some capital account restrictions. On the other hand, a currency that is fully convertible is not necessarily widely used and widely traded.

The formula adopted by the IMF for determining currency weights for the SDR basket assigns equal shares to the currency issuer's exports and a composite financial indicator. The financial indicator comprises, in equal shares, official reserves denominated in the member country's (or monetary union's) currency that are held by other monetary authorities that are not issuers of the relevant currency, foreign exchange turnover in the relevant currency, and the sum of all outstanding international bank liabilities and international debt securities denominated in the currency.

The IMF uses the SDR as unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private bodies in Germany and abroad, inter alia as the "successor" to those units of account which had hitherto been defined in terms of gold (e. g. gold francs).

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2020 (see Table VI., pp. 44-45) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2020", which can be accessed online (<https://www.elibrary-areaer.imf.org>).

The IMF's classification system is generally based on the actual, de facto exchange rate regimes identified and operating in member countries. These may differ from the official, de jure exchange rate arrangements in these countries.

Exchange rate arrangements are primarily classified on the basis of the degree to which the exchange rate is determined by the market rather than by official action, with market-determined exchange rates being on the whole more flexible. The IMF's system distinguishes between

four major categories. The category "hard pegs" (fixed exchange rate anchors) is subdivided into exchange arrangements with no separate legal tender and currency board arrangements (institutionalised, unilateral exchange rate peg). The category "soft pegs" (less stringent exchange rate anchors) comprises conventional fixed peg arrangements (exchange rate guarantee but no irrevocable parity), stabilised arrangements (exchange rate within a narrow band without any political obligation), crawling pegs (moving central rate without a band), crawl-like arrangements (moving central rate with an annual minimum rate of change) and pegged exchange rates within horizontal bands. The category "floating regimes" (market-determined rates) distinguishes between free-floating rates (intervention in exceptional cases only) and floating rates (more frequent modes of intervention). All other exchange rate arrangements are grouped under the category "residual" (other managed arrangements). The classification system presents members' exchange rate arrangements against alternative monetary policy frameworks in order to highlight the role of the exchange rate in broad economic policy and to illustrate that different exchange rate arrangements can be consistent with similar monetary frameworks.

The monetary policy frameworks listed are as follows.

Exchange rate anchor

The monetary authority buys or sells foreign exchange to maintain the exchange rate at its predetermined level or within a range. The exchange rate thus serves as the nominal anchor or intermediate target of monetary policy. These frameworks are associated with exchange rate arrangements with no separate legal tender, currency board arrangements, pegs (or stabilised arrangements) with or without bands, crawling pegs (or crawl-like arrangements) and other managed arrangements.

Monetary aggregate target

The monetary authority uses its instruments to achieve a target growth rate for a monetary aggregate, such as reserve money, M1 or M2, and the targeted aggregate becomes the nominal anchor or intermediate target of monetary policy.

Inflation-targeting framework

This involves the public announcement of numerical targets for inflation, with an institutional commitment by the monetary authority to achieve these targets, typically over a medium-term horizon. Additional key features normally include increased communication with the public and the markets about the plans and objectives of monetary policymakers and increased accountability of the central

bank for achieving its inflation objectives. Monetary policy decisions are often guided by the deviation of forecasts of future inflation from the announced inflation target, with the inflation forecast acting (implicitly or explicitly) as the intermediate target of monetary policy.

Other

The country has no explicitly stated nominal anchor, but rather monitors various indicators in conducting monetary policy. This category is also used when no relevant information on the country is available.

Explanatory notes on individual countries

Argentina

Capital controls were introduced by decree on 1 September 2019 in response to the escalating financial and sovereign debt crisis.

Since 23 December 2019 (the date on which Law 27541 entered into force), Argentina has been levying a tax (Impuesto Para una Argentina Inclusiva y Solidaria – PAÍS) of 30% on transactions such as the following:

- purchases of foreign currency banknotes and foreign exchange, including travellers' cheques, by Argentine residents;
- the exchange of foreign currency intended for the purchase of goods or services or for the purchase of services abroad;
- foreign transactions with Argentine bank cards.

The Administración Federal de Ingresos Públicos (AFIP) has been levying an additional tax of 35% on the same transactions since 16 September 2020. With effect from 14 July 2022, this additional tax was increased to 45%.

Since 21 July 2022, foreign tourists have been able to exchange cash up to the equivalent of USD 5,000 per month into Argentine pesos at a separate, unspecified rate.

In addition, there is still a black market where, according to press reports, the exchange rate for the US dollar stood at around 300 Argentine pesos at the beginning of August 2022.

Bangladesh

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 taka; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 taka.

Benin

Benin, Burkina Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo all belong to the West African Economic and Monetary Union (UEMOA = Union Économique et Monétaire Ouest Africaine). The responsible monetary authority is the Banque Centrale des Etats de l'Afrique de l'Ouest, whose CFA franc (F.CFA = Franc de la Communauté Financière Africaine) is legal tender only in the aforementioned countries.

Bhutan

The Indian rupee is likewise legal tender alongside the Bhutanese ngultrum (convertible at par).

Brunei Darussalam

Under an agreement between Brunei Darussalam and Singapore, the Singapore dollar (convertible at par) is also accepted as customary tender.

Burkina Faso

See Explanatory notes on Benin.

Cameroon

Cameroon, the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon all belong to the Central African Economic and Monetary Community (CEMAC = Communauté Économique et Monétaire de l'Afrique Centrale). The responsible monetary authority is the Banque des Etats de l'Afrique Centrale, whose CFA franc (F.CFA = Franc de la Coopération Financière en Afrique Centrale) is legal tender only in the aforementioned countries.

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

The New Zealand dollar is also legal tender alongside the Cook Islands dollar (convertible at par).

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

The euro is also an accepted form of payment in some tourist locations.

El Salvador

The US dollar is likewise legal tender alongside the El Salvador colón.

Equatorial Guinea

See Explanatory notes on Cameroon.

Eswatini

The South African rand is likewise legal tender alongside the lilangeni (convertible at par).

Gabon

See Explanatory notes on Cameroon.

Guinea-Bissau

See Explanatory notes on Benin.

India

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 rupees; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 rupees.

Iran, Islamic Republic of

As we have only incomplete information on the extensive changes and regulations in the multiple exchange rate system, the information provided below on applying exchange rates – valid since 6 August 2018 – is intended merely as a guideline.

Central bank rate

For imports of essential goods (e.g. basic foodstuffs and pharmaceuticals).

NIMA rate (see <https://www.sanarate.ir/Default.aspx>)

For other, non-specified goods imports and services. Access to the electronic platform NIMA is possible only for certain importers as well as exchange bureaux.

Bureau de change rate

Used in addition to the regulated central bank and NIMA exchange rates, including for travelling abroad, tuition fees

at foreign universities, medical treatment and legal fees abroad.

The term “toman” (an old Persian currency) is also used to denote 10 Iranian rials.

Iraq

The official exchange rate applies only to foreign exchange transactions between the central bank and domestic and foreign commercial banks, public sector institutions, money transfer institutions and foreign exchange bureaux.

Kenya

The term “Kenya pound” is a unit of account equivalent to 20 Kenya shillings.

Korea, Democratic People’s Republic of

We have no exchange rates for the won as of July 2020.

Lebanon

The ongoing liquidity and economic crisis in Lebanon has resulted in a sharp depreciation of the Lebanese pound in the parallel market that has formed in the meantime. This has prompted Lebanon’s central bank to introduce various measures since mid-2020 to contain the resulting foreign currency shortage.

Alongside the existing official exchange rate to the US dollar (LBP 1,507.50), it introduced a bank rate of LBP 3,900 per US dollar. In addition, commercial banks and foreign exchange dealers operating in Lebanon are required to conduct transactions in foreign currency via the central bank’s own Sayrafa electronic platform. According to the Lebanese central bank, the exchange rate formed here is intended to reflect the current market situation.

We have the following information on how exchange rates have been applied since the end of August 2021:

Official exchange rate

For specific imports, for example, wheat, medication, medical supplies, selected commodities and for servicing limited retail consumer and housing loans denominated in US dollar.

Bank rate

For limited cash withdrawals from foreign currency accounts at banks in Lebanon.

Sayrafa market rate

For imports of petrol, diesel and gas, and for regulated buying and selling of foreign currencies.

Lesotho

The South African rand is likewise legal tender alongside the loti (convertible at par).

Liberia

The US dollar is likewise legal tender alongside the Liberian dollar.

Macao

The Hong Kong dollar, to which the pataca is pegged at a rate of HKD 100 = MOP 103, is in circulation as a common currency alongside the pataca.

Mali

See Explanatory notes on Benin.

Namibia

The South African rand is likewise legal tender alongside the Namibia dollar (convertible at par).

New Caledonia

CFP was originally the abbreviation for "Colonies Françaises du Pacifique" and is still used as a currency symbol (in connection with the franc).

Niger

See Explanatory notes on Benin.

Nigeria

It is understood that there are different bureau de change rates alongside the official, published exchange rate.

Panama

The US dollar is legal tender alongside the balboa, which is in circulation exclusively in coin form.

Senegal

See Explanatory notes on Benin.

Sierra Leone

Pursuant to Public Notice No 223 issued by the Government of Sierra Leone, the (new) Leone (SLE) currency was introduced with effect from 1 July 2022 at an exchange rate of 1,000 (old) Leone (SLL) to 1 SLE. Alongside the SLE, the SLL will remain legal tender at this exchange rate until the end of September 2022.

Singapore

Under an agreement between Singapore and Brunei Darussalam, the Brunei dollar (convertible at par) is also accepted as customary tender.

Somalia

We have no exchange rates for the Somali shilling.

Syrian Arab Republic

In addition to the bank rates (for credit transfers) shown, the Central Bank of Syria continued to publish official exchange rates of USD 1 = SYP 2,500.00/2,525.00 (buying/selling). We do not have any information on how these rates are applied.

It is also understood that there are significantly different black market rates alongside these rates.

Togo

See Explanatory notes on Benin.

Turkmenistan

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate. According to press reports, this rate was around 20 Turkmen manat in mid-March 2022.

Ukraine

On 24 February 2022, the National Bank of Ukraine adopted various measures (Resolution No 18) that were intended to keep the banking system stable under martial law. Amongst other things, this resolution fixed the exchange rate to the US dollar.

With effect from 21 July 2022, the fixed exchange rate for the US dollar was adjusted from USD 1 = UAH 29.2549 to USD 1 = UAH 36.5686; the hryvnia thus depreciated by 20.0% against the US dollar.

United Arab Emirates

The United Arab Emirates include Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah and Umm al Qaiwain.

United Kingdom

In Scotland and Northern Ireland, a small volume of banknotes issued by commercial banks in these territories is in circulation alongside notes issued by the Bank of England.

Venezuela, Bolivarian Republic of

With effect from 1 October 2021, a currency changeover took place at the ratio of 1,000,000 (old) bolívar = 1 (new) bolívar. The currency changeover did not entail any appreciation or depreciation against other currencies.

In addition, on 1 October a new ISO currency code – VED – was introduced alongside the existing VES code. This code is only for internal purposes, however, and is not intended to replace VES as the official currency code.

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.

Yemen

In addition to the central bank rates, there are also commercial bank rates, which vary widely from region to region.

Zimbabwe

With effect from 9 May 2022, a multiple exchange rate system was established, with interbank market rates introduced alongside the official exchange rates (now auction rates). We do not have any information on the exchange rate application.

It is also understood that there are significantly different black market rates alongside these rates.