## Exchange rates and prices

Australia Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad		sto \$ 2008 <sup>a</sup> 50.52 96.84 70.91 75.13 3.41 307.83 1.49	to inter 1995  24.4 15.3 0.0 0.9	rrency units national \$ 2007 16.1 43.7 35.8	<b>2007</b> 0.3	Index 2000 = 100 <b>2007</b>	average % gro		average % gro		average	annual
Albania Algeria Angola Argentina Armenia Australia Australia Australia Australia Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	49.96 90.43 69.29 76.71 3.10 342.08 1.20 0.73 0.86 68.88	50.52 96.84 70.91 75.13 3.41 307.83 1.49	 24.4 15.3 0.0 0.9	16.1 43.7	0.3	2007			/º git	owth	% gro	
Albania Algeria Angola Argentina Armenia Australia Australia Australia Australia Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic	90.43 69.29 76.71 3.10 342.08 1.20 0.73 0.86 68.88	96.84 70.91 75.13 3.41 307.83 1.49	24.4 15.3 0.0 0.9	43.7			1990-2000	2000-07	1990-2000	) 2000-07	1990-2000	2000-07
Algeria Angola Argentina Australia Australia Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic	69.29 76.71 3.10 342.08 1.20 0.73 0.86 68.88	70.91 75.13 3.41 307.83 1.49	15.3 0.0 0.9			••	••	11.8	••	••	••	••
Angola Argentina Armenia Australia Australia Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	76.71 3.10 342.08 1.20 0.73 0.86 68.88	75.13 3.41 307.83 1.49	0.0 0.9	35.8	0.5	••	38.0	3.7	27.8	2.9	••	4.8
Argentina   Armenia   Australia   Austria <sup>b</sup> Azerbaijan   Bangladesh   Belarus 2,   Belgium <sup>b</sup> Benin   Bosnia and Herzegovina   Botswana   Brazil   Bulgaria   Burundi 1,   Cambodia 4,   Cameroon 2,   Canada Central African Republic   Chad 4,	3.10 342.08 1.20 0.73 0.86 68.88	3.41 307.83 1.49	0.9		0.5	82.3	18.5	8.8	17.3	2.6	••	3.5
Armenia Australia Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic	342.08 1.20 0.73 0.86 68.88	307.83 1.49		51.6	0.7	••	739.4	56.1	711.0	54.4		
Australia Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic	1.20 0.73 0.86 68.88	1.49	440.0	1.6	0.5		5.2	12.3	8.9	10.6	0.1	18.0
Austria <sup>b</sup> Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic	0.73 0.86 68.88		116.6 1.3	183.8 1.4	0.5	122.6 133.3	212.5 1.5	4.3 3.7	72.8 2.1	3.5 2.9		0.9 3.5
Azerbaijan Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic	0.86 68.88	0.73	0.9	0.9	1.1	106.7	1.5	3.7 1.7	2.1	2.9	1.1 0.3	2.4
Bangladesh Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic	68.88	0.73	0.9	0.9	0.5		203.0	8.9	170.9	6.8	••••	
Belarus 2, Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad		68.89	19.2	24.0	0.3		4.0	4.4	5.5	6.4	 	
Belgium <sup>b</sup> Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	,10.00	2,189.82	3.5	913.5	0.4		355.1	27.6	271.3	22.2		26.6
Benin Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	0.73	0.73	0.9	0.9	1.2	 110.8	1.8	21.0	1.9	22.2	1.2	2.3
Bolivia Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	479.27	481.53	187.5	219.7	0.5		8.7	2.9	8.7	2.7		
Bosnia and Herzegovina Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	7.85	7.02	1.6	2.6	0.3	 81.8	8.6	6.8	8.7	4.0		
Botswana Brazil Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	1.43	1.44	0.6	0.7	0.5		3.7	3.7				••
Bulgaria Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	6.14	7.84	1.4	3.0	0.5		9.7	7.4	10.4	8.4		
Burkina Faso Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	1.95	2.39	0.7	1.4	0.7	••	211.8	8.5	199.5	7.7	204.9	11.6
Burundi 1, Cambodia 4, Cameroon Canada Central African Republic Chad	1.43	1.46	0.0	0.7	0.5	133.9	103.3	5.0	117.5	5.7	85.7	5.5
Cambodia 4, Cameroon Canada Central African Republic Chad	479.27	481.53	189.6	195.3	0.4		3.7	2.2	5.5	2.4	••	
Cameroon Canada Central African Republic Chad	,081.87	1,234.53	126.6	363.9	0.3	68.7	13.4	8.4	16.1	7.4		
Canada Central African Republic Chad	,056.17	4,091.00	1,142.8	1,345.7	0.3	95.3	4.4	3.8	6.3	3.5		
Central African Republic Chad	479.27	481.53	241.2	251.4	0.5	114.6	6.3	2.2	6.5	2.1	••	••
Chad	1.07	1.24	1.2	1.2	1.1	132.3	1.5	2.0	1.7	2.2	2.7	1.2
	479.27	481.53	272.0	264.8	0.6	115.1	4.5	2.0	5.3	2.4	6.0	4.4
Chile	479.27	481.53	135.5	213.6	0.4	126.7	7.1	8.2	6.9	2.0	••	••
	522.46	649.32	263.8	371.8	0.7	95.2	7.9	7.0	8.9	2.7	7.0	5.8
China	7.61	6.84	3.4	3.6	0.5	99.1	7.9	3.8	8.6	1.8		
Hong Kong, China	7.80	7.75	7.9	5.5	0.7		4.5	-2.3	5.9	-0.5	0.6	0.5
	,078.29	2,273.16	423.8	1,143.3	0.6	115.8	22.3	7.0	20.3	5.9	16.4	5.4
Congo, Dem. Rep. Congo, Rep.	516.75 479.27	560.84 481.53	0.0 150.9	267.8 277.1	0.5	31.8	964.9 9.0	31.0 5.7	932.8 9.3	29.5 2.8		••
	516.62	549.80	103.1	280.5	0.5	 95.3	9.0 15.9	10.0	9.3 15.6	2.0 11.1	 14.1	 12.2
Côte d'Ivoire	479.27	481.53	261.9	280.5	0.5	95.3 117.9	9.2	3.0	7.2	2.9		12.2
Croatia	5.37	5.38	3.1	3.9	0.0	112.9	86.0	3.7	86.2	2.5	 74.2	 2.5
Cuba	0.01	0.00		0.0	0.1		3.0	2.6	00.2			2.0
Czech Republic	20.29	 19.48	 11.1	 14.2	0.7	 136.8	12.8	2.0	 7.8	 2.1	 8.2	 2.3
Denmark	5.44	5.58	8.5	8.6	1.6	109.7	1.6	2.2	2.1	1.9	1.1	2.3
Dominican Republic	33.26	35.44	6.7	18.7	0.6	100.9	9.4	17.4	8.7	17.3	••	
Ecuador	1.00	1.00	0.4	0.4	0.4	138.5	4.3	9.6	37.1	7.5		8.7
Egypt, Arab Rep.	5.73	5.30	1.2	1.8	0.3		8.7	7.2	8.8	6.2	6.1	9.5
El Salvador	1.00	1.00	0.4	0.5	0.5	••	6.2	3.5	8.5	3.6	••	4.2
Eritrea	15.38	15.38	1.9	7.0	0.5	••	7.9	18.6	••	••	••	••
Estonia	11.43	11.66	4.8	8.7	0.8		53.6	5.2	21.6	3.7	8.1	2.7
Ethiopia	8.95	9.32	2.1	2.8	0.3	99.6	6.4	6.6	5.5	8.3	••	
Finland <sup>b</sup>	0.73	0.73	1.0	1.0	1.3	106.2	2.0	0.9	1.5	1.2	1.0	1.9
France <sup>b</sup>	0.73	0.73	1.0	0.9	1.2	109.0	1.3	2.1	1.6	1.9	••	1.9
Gabon	479.27	481.53	188.0	274.8	0.6	105.6	7.0	5.0	4.6	1.1	••	••
Gambia, The	24.88	21.64	3.9	7.7	0.3	59.6	4.2	11.9	4.1	9.7		
Georgia	1.67	1.66	0.4	0.8	0.5	109.7	356.7	6.9	24.7	6.7		6.6
Germany <sup>b</sup>	0.73	0.73	1.0	0.9	1.2	108.9	1.7	1.1	2.0	1.6	0.4	2.6
Ghana	0.94	1.07	0.1	0.5	0.5	115.5	26.7	19.5	28.4	17.0		
Greeceb	0.73	0.73	0.6	0.7	1.0	116.8	9.2	3.3	9.0	3.3	3.6	4.0
Guatemala	7.67	7.71	2.9	4.2	0.6	••	10.4	4.7	10.1	7.1	••	••
•••••••••••••••••••••••••••••••••••••••	6/1/1	4,478.00	666.8 114.9	1,857.1 211.4	0.4	••	5.5	18.1				
Guinea-Bissau Haiti	8,644.33 479.27	481.53			0.4		32.5	1.6	34.0	1.5		

# Exchange rates and prices 4.14

	Official exchange rate local currency units to \$ 2007 2008ª		Purchasing power parity (PPP) conversion factor		Ratio of PPP conversion factor to market exchange rate 2007	Real effective exchange rate	GDP implicit deflator average annual % growth 1990–2000 2000–07		Consumer price index average annual % growth 1990-2000 2000-07		Wholesale price index average annual % growth 1990-2000 2000-07	
Honduras												
	18.90	18.90	3.0	8.6	0.5		19.8	6.2	22.8	7.8		
Hungary	183.63	196.78	61.6	134.8	0.7	142.5	19.6	5.1	20.3	5.5	16.8	3.2
India	41.35	48.64	11.1	15.3	0.4		8.1	4.3	9.1	4.4	7.4	4.9
Indonesia	9,141.00	11,836.00	1,031.8	4,724.6	0.5	••	15.8	10.1	13.7	9.3	15.4	9.4
Iran, Islamic Rep.	9,281.15	9,896.38	567.5	3,412.4	0.4	143.1	27.7	17.4	26.0	14.3	28.4	10.7
Iraq	1,254.57	1,203.00	••	558.7	••	••	••	••	••		••	••
Ireland <sup>b</sup>	0.73	0.73	0.8	1.0	1.3	133.1	3.7	2.9	2.3	3.5	1.6	0.3
Israel	4.11	3.87	3.1	3.6	0.9	79.4	11.0	1.1	9.7	1.5	8.1	4.6
Italy <sup>b</sup>	0.73	0.73	0.8	0.9	1.2	112.3	3.8	2.6	3.7	2.3	2.9	2.7
Jamaica	68.95	73.88	16.8	47.8	0.7		23.0	11.2	23.5	10.7		
Japan	117.75	91.32	174.3	120.1	1.0	66.6	0.1	-1.2	0.8	-0.2	-0.9	0.3
Jordan Kazakhatan	0.71	0.71	0.4	0.4	0.6	••	3.2	3.0	3.5	3.3		9.0
Kazakhstan	122.55	120.58	17.5	76.4	0.6	••	204.7	14.3 E 1	67.8	7.5	16.3	11.5
Kenya Korea, Dem. Rep.	67.32	78.04	15.8	31.3	0.4	••	16.6	5.1	15.6	9.4	••	••
Korea, Rep.	 929.26	 1,373.84	 690.0	 749.9	 0.8	••	 5.7	 1.7	 5.1	 3.1	 3.7	 2.1
Kuwait	0.28	0.28	0.1	0.2	0.8	••	1.5	8.7	2.0	2.3	1.4	2.1
Kyrgyz Republic	37.32	39.38	3.5	13.3	0.4		110.6	6.3	23.3	4.6	35.6	7.9
Lao PDR	9,603.16	8,640.71	309.7	3,096.8	0.3		27.0	9.6	28.2	9.5		
Latvia	0.51	0.52	0.2	0.4	0.7		48.0	6.9	29.2	5.1	12.0	6.6
Lebanon	1,507.50	1,507.50	837.2	886.4	0.6		17.9	2.1				
Lesotho	7.05	9.97	2.3	3.6	0.5	128.8	7.7	5.4	9.8	7.8		
Liberia	61.27	62.57	0.6	33.5	0.5		51.8	10.1	••		••	
Libya	1.26	1.30		0.8	0.7			21.0	5.6	-3.0		
Lithuania	2.52	2.57	1.2	1.6	0.6		75.0	2.9	32.6	1.6	24.7	4.3
Macedonia, FYR	44.73	45.73	17.9	18.5	0.4	100.4	79.3	2.8	10.6	1.9	8.4	0.7
Madagascar	1,873.88	1,841.20	287.6	754.2	0.4	••	19.1	11.6	18.7	10.8	••	••
Malawi	139.96	140.60	3.9	47.1	0.3	65.0	33.6	21.2	33.8	13.2	••	••
Malaysia	3.44	3.55	1.4	1.8	0.5	102.1	4.0	3.8	3.6	2.1	3.4	4.6
Mali	479.27	481.53	226.8	246.2	0.5	••	7.0	3.6	5.2	1.7	••	••
Mauritania	258.59	235.99	62.4	118.0	0.4	••	8.7	11.3	6.1	7.5	••	••
Mauritius	31.31	32.10	10.5	15.4	0.5	••	6.4	5.4	6.9	5.9		
Mexico	10.93	13.37	2.9	7.5	0.7		19.0	8.6	19.4	4.5	18.4	6.2
Moldova	12.14	10.40	1.2	5.5	0.5	101.9	119.6	11.5	19.2	11.0	••	••
Mongolia	1,170.97 8.19	1,228.87 8.10	158.7 4.9	544.9 4.9	0.5 0.6	 92.6	57.8 4.0	14.1 1.3	35.7	6.8 1.8		••
Morocco Mozambique	25.84	24.13	4.9 3.9	4.9	0.5		4.0 34.1	7.9	3.8 31.8	11.8	2.9	••
Myanmar	5.56	5.65	40.2	249.7		••	25.5	21.1	25.9	23.6	••	••
Namibia	7.05	9.97	2.5	4.4	 0.7		10.4	4.8		4.7	•	
Nepal	66.42	78.07	15.4	24.7	0.4		8.0	5.6	 8.7	5.0		
Netherlands <sup>b</sup>	0.73	0.73	0.9	0.9	1.2	 113.5	2.1	2.2	2.4	2.0	1.3	2.5
New Zealand	1.36	1.80	1.5	1.5	1.2	137.8	1.7	2.7	1.7	2.6	1.4	2.8
Nicaragua	18.45	19.81	3.5	7.3	0.4	88.6	42.4	7.7		7.5		
Niger	479.27	481.53	209.8	224.4	0.5		6.0	2.0	6.1	1.8		
Nigeria	125.81	117.73	15.5	71.4	0.6	130.6	29.5	17.9	32.5	13.5		
Norway	5.86	7.01	9.2	9.0	1.5	112.2	2.7	4.2	2.2	1.6	1.6	6.2
Oman	0.39	0.39	0.2	0.2	0.6	••	0.1	5.7	••	1.3	••	••
Pakistan	60.74	79.09	10.1	21.5	0.4	95.6	11.1	6.7	9.7	6.0	10.4	7.0
Panama	1.00	1.00	0.5	0.5	0.5	••	3.6	1.7	1.1	1.5	1.0	2.7
Papua New Guinea	2.97	2.66	0.7	1.4	0.5	96.5	7.6	7.2	9.3	6.1		
Paraguay	5,032.72	4,837.00	949.3	2,267.1	0.5	97.6	11.5	10.8	13.1	8.7		11.8
Peru	3.13	3.11	1.2	1.5	0.5	••	26.7	3.6	27.3	2.0	23.7	2.3
Philippines	46.15	48.09	14.1	22.2	0.5	112.3	8.3	5.1	7.7	5.2	5.6	8.2
Poland	2.77	2.97	1.2	1.9	0.7	114.1	24.7	2.4	25.3	2.3	19.8	2.7
Portugal <sup>b</sup>	0.73	0.73	0.6	0.7	0.9	113.5	5.2	3.0	4.5	2.9		2.6

## Exchange rates and prices

	Official exchange rate local currency units to \$ 2007 2008ª		powe (F conv	hasing er parity PPP) version octor	Ratio of PPP conversion factor to market exchange rate	Real effective exchange rate	GDP implicit deflator		Consumer price index		Wholesale price index	
			local currency units to international \$ 1995 2007		2007	Index 2000 = 100 <b>2007</b>	average annual % growth <b>1990–2000 2000–07</b>		average annual % growth		average annual % growth	
Demonio									·			
Romania	2.44	2.90	0.1	1.5	0.6	140.5	98.0	18.0	100.5	13.8	93.8	17.5
Russian Federation	25.58	28.13	1.5	15.8	0.6	172.7	161.5	16.7	99.1	12.9	99.8	16.9
Rwanda	546.96	551.35	129.3	216.5	0.4	••	14.3	9.7	16.2	7.8		
Saudi Arabia	3.75	3.75	1.8	2.6	0.7	78.5	1.6	8.1	1.0	0.9	1.3	1.9
Senegal	479.27	481.53	252.0	258.5	0.5		6.0	2.2	5.4	1.7		
Serbia	58.45	64.71	2.6	31.0	0.5			18.8	50.2	18.0		
Sierra Leone	2,985.19	2,990.63	387.6	1,251.2	0.4	73.8	31.9	8.8	29.3	8.1	••	••
Singapore	1.51	1.48	1.3	1.1	0.7	95.8	1.3	0.9	1.7	0.8	-1.0	3.4
Slovak Republic <sup>b</sup>	24.69 <sup>c</sup>	22.65	13.0	17.1	0.7	158.1	11.1	4.0	8.4	5.4	9.5	5.2
Slovenia <sup>b</sup>	0.73	0.73	0.4	0.6	0.9		29.3	4.4	12.0	4.5	9.1	4.0
Somalia		••		••				••	••	••		
South Africa	7.05	9.97	2.3	4.3	0.6	94.9	9.9	6.7	8.7	4.9	7.7	6.0
Spain <sup>b</sup>	0.73	0.73	0.7	0.7	1.0	117.3	3.9	4.1	3.8	3.2	2.4	3.0
Sri Lanka	110.62	111.37	18.3	42.1	0.4		9.1	10.0	9.9	9.9	8.1	11.1
Sudan	2.02	2.03	0.3	1.2	0.6		65.5	9.6	71.9	7.8		••
Swaziland	7.05	9.97	2.2	3.7	0.5		10.5	7.3	9.4	6.5		
Sweden	6.76	8.02	9.4	9.1	1.4	98.9	2.2	1.5	1.9	1.4	2.4	2.6
Switzerland	1.20	1.15	2.0	1.7	1.4	98.0	1.1	0.8	1.6	0.9	-0.4	0.8
Syrian Arab Republic	11.23	11.23	12.8	21.0	0.4		7.9	6.2	6.4	5.1	4.7	2.2
Tajikistan	3.44	3.42	0.0	1.1	0.3		235.0	20.4		12.7	••••••	
Tanzania	1,245.04	1,273.83	154.8	412.4	0.3	••	233.0	9.0	 20.9	4.9	••	••
Thailand	34.52	35.08	154.0	16.3	0.5	••	4.2	2.9	4.9	2.7	 3.8	 5.3
	1.00	1.00		0.5	0.5	••		2.9		4.4	•••••••	
Timor-Leste								••••••			••	••
Togo	479.27	481.53	238.6	230.9	0.5	113.5	7.0	0.8	8.5	2.2		
Trinidad and Tobago	6.33	6.26	2.9	4.2	0.7	115.5	5.4	6.4	5.7	5.5	2.8	2.0
Tunisia	1.28	1.34	0.5	0.6	0.5	82.2	4.4	2.7	4.4	3.0	3.6	3.7
Turkey	1.30	1.54	0.0	0.9	0.7	••	74.7	18.7	79.9	20.6		8.7
Turkmenistan		••	••	3,950.3	0.4		408.0	••	••	••	••	••
Uganda	1,723.49	1,959.26	472.8	640.1	0.4	90.0	12.0	4.8	10.5	5.0	••	••
Ukraine	5.05	7.58	0.3	2.2	0.4	112.6	271.0	14.0	155.7	8.5	161.6	12.2
United Arab Emirates	3.67	3.67	1.7	2.7	0.7		2.2	7.7	••	••	••	••
United Kingdom	0.50	0.64	0.6	0.6	1.3	107.9	2.9	2.7	2.9	2.8	2.4	1.3
United States	1.00	1.00	1.0	1.0	1.0	88.8	2.0	2.6	2.7	2.7	1.2	4.2
Uruguay	23.47	24.35	5.7	14.5	0.6	79.6	31.1	9.4	33.9	9.9	27.2	15.3
Uzbekistan	••	••	11.2	432.7	0.3		245.8	26.5	••		••	••
Venezuela, RB	2.15	2.15	0.1	1.5	0.7	81.2	45.3	26.8	49.0	20.2	44.1	27.6
Vietnam	16,105.13	16,600.00	3,170.2	5,167.5	0.3		15.2	6.6	4.1	5.8		
West Bank and Gaza					••		5.7	3.4	••	3.8	••	
Yemen, Rep.	198.95	200.03	22.0	85.7	0.4		22.4	13.5	26.3	12.9		
Zambia	4,002.52	4,882.97	393.5	2,808.8	0.7	151.5	52.1	18.3	57.0	17.6	101.4	
Zimbabwe		30,000.00				-	26.7	232.0	29.0	497.7	25.9	••

Note: The differences in the growth rates of the GDP deflator and consumer and wholesale price indexes are due mainly to differences in data availability for each of the indexes during the period.

a. Average for December or latest monthly data available. b. As members of the euro area, these countries share a single currency, the euro. c. Koruny.

### About the data

In a market-based economy, household, producer, and government choices about resource allocation are influenced by relative prices, including the real exchange rate, real wages, real interest rates, and other prices in the economy. Relative prices also largely reflect these agents' choices. Thus relative prices convey vital information about the interaction of economic agents in an economy and with the rest of the world.

The exchange rate is the price of one currency in terms of another. Official exchange rates and exchange rate arrangements are established by governments. Other exchange rates recognized by governments include market rates, which are determined largely by legal market forces, and for countries with multiple exchange arrangements, principal rates, secondary rates, and tertiary rates. (Also see *Statistical methods* for alternative conversion factors in the *World Bank Atlas* method of calculating gross national income [GNI] per capita in U.S. dollars.)

Official or market exchange rates are often used to convert economic statistics in local currencies to a common currency in order to make comparisons across countries. Since market rates reflect at best the relative prices of tradable goods, the volume of goods and services that a U.S. dollar buys in the United States may not correspond to what a U.S. dollar converted to another country's currency at the official exchange rate would buy in that country, particularly when nontradable goods and services account for a significant share of a country's output. An alternative exchange rate-the purchasing power parity (PPP) conversion factor—is preferred because it reflects differences in price levels for both tradable and nontradable goods and services and therefore provides a more meaningful comparison of real output. See table 1.1 for further discussion.

The ratio of the PPP conversion factor to the official exchange rate-the national price level or comparative price level-measures differences in the price level at the gross domestic product (GDP) level. The price level index tends to be lower in poorer countries and to rise with income. The market exchange rate (or alternative conversion factor) is the official exchange rate adjusted for some countries by World Bank staff to reflect actual price changes. National price levels vary systematically, rising with GNI per capita. The real effective exchange rate is a nominal effective exchange rate index adjusted for relative movements in national price or cost indicators of the home country, selected countries, and the euro area. A nominal effective exchange rate index is the ratio (expressed on the base 2000 = 100) of an index of a currency's period-average exchange rate to a weighted geometric average of exchange rates

for currencies of selected countries and the euro area. For most high-income countries weights are derived from industrial country trade in manufactured goods. Data are compiled from the nominal effective exchange rate index and a cost indicator of relative normalized unit labor costs in manufacturing. For selected other countries the nominal effective exchange rate index is based on manufactured goods and primary products trade with partner or competitor countries. For these countries the real effective exchange rate index is the nominal index adjusted for relative changes in consumer prices: an increase represents an appreciation of the local currency. Because of conceptual and data limitations, changes in real effective exchange rates should be interpreted with caution.

Inflation is measured by the rate of increase in a price index, but actual price change can be negative. The index used depends on the prices being examined. The GDP deflator reflects price changes for total GDP. The most general measure of the overall price level, it accounts for changes in government consumption, capital formation (including inventory appreciation), international trade, and the main component, household final consumption expenditure. The GDP deflator is usually derived implicitly as the ratio of current to constant price GDP—or a Paasche index. It is defective as a general measure of inflation for policy use because of long lags in deriving estimates and because it is often an annual measure.

Consumer price indexes are produced more frequently and so are more current. They are also constructed explicitly, based on surveys of the cost of a defined basket of consumer goods and services. Nevertheless, consumer price indexes should be interpreted with caution. The definition of a household, the basket of goods, and the geographic (urban or rural) and income group coverage of consumer price surveys can vary widely by country. In addition, weights are derived from household expenditure surveys, which, for budgetary reasons, tend to be conducted infrequently in developing countries. impairing comparability over time. Although useful for measuring consumer price inflation within a country, consumer price indexes are of less value in comparing countries.

Wholesale price indexes are based on the prices at the first commercial transaction of commodities that are important in a country's output or consumption. Prices are farm-gate for agricultural commodities and ex-factory for industrial goods. Preference is given to indexes with the broadest coverage of the economy.

The least-squares method is used to calculate growth rates of the GDP implicit deflator, consumer price index, and wholesale price index.

### Definitions

· Official exchange rate is the exchange rate determined by national authorities or the rate determined in the legally sanctioned exchange market. It is calculated as an annual average based on monthly averages (local currency units relative to the U.S. dollar). • Purchasing power parity (PPP) conversion factor is the number of units of a country's currency required to buy the same amount of goods and services in the domestic market that a U.S. dollar would buy in the United States. • Ratio of PPP conversion factor to market exchange rate is the result obtained by dividing the PPP conversion factor by the market exchange rate. • Real effective exchange rate is the nominal effective exchange rate (a measure of the value of a currency against a weighted average of several foreign currencies) divided by a price deflator or index of costs. • GDP implicit deflator measures the average annual rate of price change in the economy as a whole for the periods shown. • Consumer price index reflects changes in the cost to the average consumer of acquiring a basket of goods and services that may be fixed or may change at specified intervals, such as yearly. The Laspeyres formula is generally used. • Wholesale price index refers to a mix of agricultural and industrial goods at various stages of production and distribution, including import duties. The Laspeyres formula is generally used.

### Data sources

Data on official and real effective exchange rates and consumer and wholesale price indexes are from the International Monetary Fund's *International Financial Statistics*. PPP conversion factors and GDP deflators are from the World Bank's data files.