

Oil: Refining capacity

Thousand barrels daily*	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	1976	1913	2005	2015	1929	1929	1931	1934	1970	2025	2054	1.4%	0.4%	2.0%
Mexico	1463	1463	1606	1606	1606	1522	1522	1522	1546	1558	1558	-	0.6%	1.5%
US	17597	17736	17367	17823	17925	17967	18317	18617	18567	18762	18974	1.1%	0.6%	18.7%
Total North America	21036	21112	20977	21443	21460	21418	21770	22073	22082	22345	22586	1.1%	0.6%	22.3%
Argentina	625	625	625	657	657	657	657	657	657	580	580	-	-0.8%	0.6%
Brazil	1992	1992	2014	2004	2097	2238	2281	2289	2285	2285	2290	0.2%	1.5%	2.3%
Chile	242	242	250	254	254	258	258	258	258	258	258	-	0.6%	0.3%
Colombia	336	336	336	336	336	336	421	421	421	421	421	-	2.6%	0.4%
Curacao	320	320	320	320	320	320	320	320	320	320	320	-	-	0.3%
Ecuador	175	175	175	175	175	175	175	175	175	175	175	-	-	0.2%
Peru	252	252	252	252	253	253	253	253	253	253	253	-	1.0%	0.2%
Trinidad & Tobago	165	165	165	165	165	165	165	165	165	-	-	n/a	-100.0%	-
Venezuela	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	-	-	1.3%
Other S. & Cent. America	900	901	1013	356	361	376	384	384	384	384	384	-	-10.6%	0.4%
Total S. & Cent. America	6310	6311	6453	5822	5921	6081	6217	6225	6221	5979	5984	0.1%	-0.9%	5.9%
Austria	201	201	193	193	193	193	193	193	193	193	193	-	-0.4%	0.2%
Belgium	786	787	788	753	776	776	776	776	776	776	776	-	-0.1%	0.8%
Bulgaria	180	195	195	195	195	195	195	195	195	195	195	-	1.1%	0.2%
Czech Republic	193	193	193	175	175	175	175	175	175	175	175	-	-1.0%	0.2%
Denmark	189	189	181	181	181	180	180	180	181	181	181	-	-0.4%	0.2%
Finland	261	261	261	261	261	261	261	261	261	261	261	-	-	0.3%
France	1847	1702	1610	1513	1375	1375	1375	1245	1245	1245	1245	-	-4.5%	1.2%
Germany	2362	2091	2077	2097	2061	2077	2049	2051	2069	2085	2085	-	-1.3%	2.1%
Greece	425	490	495	498	498	498	528	528	528	528	528	-	2.2%	0.5%
Hungary	165	165	165	165	165	165	165	165	165	165	165	-	-	0.2%
Italy	2396	2396	2276	2098	1861	1900	1900	1900	1900	1900	1900	-	-2.3%	1.9%
Lithuania	241	241	241	241	241	241	241	241	241	241	241	-	-	0.2%
Netherlands	1280	1274	1276	1279	1279	1279	1298	1298	1299	1299	1309	0.8%	0.1%	1.3%
Norway	316	316	329	342	342	342	342	342	342	342	342	-	0.8%	0.3%
Poland	491	560	580	582	582	582	581	581	568	581	581	-	1.7%	0.6%
Portugal	306	306	306	330	330	330	330	330	330	330	330	-	0.7%	0.3%
Romania	283	247	229	214	235	228	239	256	247	254	252	-0.9%	-3.4%	0.2%
Slovakia	122	122	122	122	122	122	122	122	122	122	122	-	-	0.1%
Spain	1362	1421	1542	1546	1546	1546	1562	1562	1562	1564	1586	1.4%	1.4%	1.6%
Sweden	454	454	454	454	454	454	454	454	454	454	454	-	-	0.4%
Turkey	613	613	596	596	596	596	596	596	596	818	822	0.5%	2.9%	0.8%
Ukraine	582	484	484	258	272	250	250	250	250	250	250	-	-7.8%	0.2%
United Kingdom	1757	1757	1787	1526	1498	1337	1337	1227	1227	1227	1227	-	-3.9%	1.2%
Other Europe	420	420	404	426	376	376	376	376	358	358	358	-	-1.1%	0.4%
Total Europe	17447	17102	17000	16225	15829	15693	15669	15448	15426	15686	15721	0.2%	-1.2%	15.5%
Azerbaijan	205	205	205	205	205	205	205	205	205	120	120	-	-5.2%	0.1%
Belarus	460	460	460	460	460	460	460	460	490	520	520	-	1.2%	0.5%
Kazakhstan	330	330	330	330	350	350	350	350	360	390	400	2.6%	1.7%	0.4%
Russian Federation	5425	5563	5721	5816	6279	6417	6523	6594	6596	6596	6721	1.9%	2.0%	6.6%
Turkmenistan	251	251	251	251	251	251	271	271	271	271	271	-	0.8%	0.3%
Uzbekistan	232	232	232	232	232	232	232	232	232	232	232	-	-	0.2%
Other CIS	10	14	10	10	12	29	38	39	42	42	45	7.1%	15.3%	♦
Total CIS	6913	7055	7209	7304	7789	7944	8079	8151	8196	8171	8309	1.7%	1.7%	8.2%
Bahrain	260	260	260	260	260	260	260	260	260	260	260	-	-	0.3%
Iran	1860	1860	1860	1952	1985	1985	1985	1985	2130	2240	2405	7.4%	2.2%	2.4%
Iraq	853	914	935	971	823	791	763	779	779	849	919	8.2%	1.4%	0.9%
Israel	275	280	292	292	294	301	301	301	301	301	301	-	0.9%	0.3%
Kuwait	936	936	936	936	936	936	936	936	736	736	736	-	-2.4%	0.7%
Oman	222	222	222	222	222	222	222	222	304	334	334	-	4.2%	0.3%
Qatar	283	283	283	283	283	283	283	429	429	429	429	-	12.1%	0.4%
Saudi Arabia	2109	2109	2107	2107	2507	2899	2899	2901	2826	2835	2835	-	3.0%	2.8%
United Arab Emirates	702	702	707	712	712	728	1149	1149	1229	1229	1307	6.3%	6.1%	1.3%
Other Middle East	496	496	496	496	382	382	382	382	496	496	496	-	-	0.5%
Total Middle East	7996	8062	8098	8231	8404	8787	9180	9344	9490	9709	10022	3.2%	2.4%	9.9%
Algeria	554	554	652	652	647	651	651	651	657	657	657	-	4.0%	0.6%
Egypt	810	810	810	810	810	810	810	810	810	795	795	-	-0.2%	0.8%
Morocco	131	131	131	201	201	201	201	201	201	201	201	-	4.4%	0.2%
Nigeria	110	211	336	336	336	339	339	339	339	344	350	1.7%	3.2%	0.3%
South Africa	520	520	520	520	520	520	520	520	520	520	520	-	-	0.5%
Other Africa	938	939	980	980	690	692	692	692	672	677	677	-	-3.2%	0.7%
Total Africa	3063	3165	3429	3499	3203	3213	3213	3213	3199	3194	3200	0.2%	0.3%	3.2%
Australia	734	740	742	663	662	536	443	452	454	454	455	0.3%	-4.7%	0.4%
China	11334	12323	13015	13681	14503	15253	15024	14895	15231	15655	16199	3.5%	4.2%	16.0%
India	3574	3703	3795	4279	4319	4319	4307	4620	4699	4972	5008	0.7%	5.2%	4.9%
Indonesia	1099	1099	1099	1099	1099	1099	1111	1111	1111	1094	1094	-	-	1.1%
Japan	4630	4291	4274	4254	4123	3749	3721	3600	3343	3343	3343	-	-3.2%	3.3%
Malaysia	572	582	601	606	612	612	612	618	625	625	625	-	1.0%	0.6%
New Zealand	136	136	136	136	136	136	136	136	136	136	136	-	2.8%	0.1%
Pakistan	276	279	279	275	390	390	389	389	401	401	401	-	3.9%	0.4%
Philippines	267	264	261	261	270	271	271	271	271	271	271	-	-	0.3%
Singapore	1427	1427	1427	1422	1414	1514	1514	1514	1514	1514	1514	-	0.6%	1.5%
South Korea	2746	2774	2864	2878	2878	3123	3128	3259	3298	3346	3393	1.4%	2.1%	3.3%
Taiwan	1197	1197	1197	1197	1197	1197	988	988	1083	1083	1083	-	-1.0%	1.1%
Thailand	1236	1230	1230	1230	1237	1252	1252	1235	1235	1235	1235	-	0.6%	1.2%
Vietnam	159	159	159	159	159	159	159	163	167	367	367	-	42.0%	0.4%
Other Asia Pacific	177	177	178	178	184	191	191	191	191	191	191	83.6%	1.1%	0.3%
Total Asia Pacific	29602	30418	31296	32357	33225	33843	33288	33484	33802	34729</				

Oil: Trade movements

Thousand barrels daily	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019	
												2019	2008-18		
Imports															
US	11453	11689	11338	10587	9859	9241	9451	10056	10148	9943	9094	-8.5%	-2.5%	12.8%	
Europe	12802	12407	12489	12721	12920	12957	13993	14354	14700	14896	14867	-0.2%	0.6%	21.0%	
China	5100	5886	6295	6675	6978	7398	8333	9214	10241	11024	11825	7.3%	9.4%	16.7%	
India	3491	3749	3823	4168	4370	4155	4380	4945	4920	5196	5379	3.5%	5.4%	7.6%	
Japan	4263	4567	4494	4743	4637	4383	4332	4180	4142	3940	3779	-4.1%	-2.2%	5.3%	
Rest of World	17211	17048	17634	17812	20012	21193	22026	23776	25663	26154	25980	-0.7%	4.3%	36.6%	
Total World	54320	55346	56072	56706	58776	59328	62515	66526	69814	71154	70925	-0.3%	2.3%	100.0%	
Exports															
Canada	2518	2599	2798	3056	3296	3536	3836	3890	4241	4513	4683	3.8%	6.1%	6.6%	
Mexico	1449	1539	1487	1366	1347	1293	1323	1380	1290	1314	1268	-3.5%	-2.0%	1.8%	
US	1947	2154	2495	2682	3563	4033	4521	5078	5888	7054	8016	13.6%	13.6%	11.3%	
S. & Cent. America	3748	3568	3755	3830	3790	3939	4107	4147	3958	3741	3422	-8.5%	0.3%	4.8%	
Europe	2076	1966	2139	2181	2545	2467	2926	3082	3392	3419	3159	-7.6%	5.1%	4.5%	
Russia	7257	7397	7448	7457	7948	7792	8313	8814	8992	9080	9186	1.2%	1.9%	13.0%	
Other CIS	1861	2039	2180	1962	2166	2092	2100	2096	2201	2201	2265	2.9%	2.4%	3.2%	
Saudi Arabia	7276	7595	8120	8468	8365	7911	7968	8606	8404	8638	8397	-2.8%	0.3%	11.8%	
Middle East (ex Saudi Arabia)	11744	11976	12188	11742	12242	12699	13537	15321	16255	16098	15010	-6.8%	2.6%	21.2%	
North Africa	2943	2878	1951	2602	2127	1743	1701	1727	2226	2410	2420	0.4%	-3.0%	3.4%	
West Africa	4531	4755	4759	4724	4590	4849	4880	4401	4531	4552	4560	0.2%	-0.3%	6.4%	
Asia Pacific (ex Japan)	5631	6226	6088	6299	6307	6450	6780	7356	7811	7568	7963	5.2%	3.4%	11.2%	
Rest of World	1340	653	663	338	491	524	525	625	625	565	577	2.0%	-8.6%	0.8%	
Total World	54320	55346	56072	56706	58776	59328	62515	66526	69814	71154	70925	-0.3%	2.3%	100.0%	

Notes: Unless otherwise stated, this table shows inter-regional trade based on the regional classification in the table 'Oil trade in 2018 and 2019'.

Bunker fuel use is not included as exports. Intra-area movements (for example, between countries within Europe) are excluded.

Annual changes and shares of total are calculated using thousand barrels daily figures.

Oil: Inter-area movements 2019

Crude (million tonnes)	To														Total	
	Canada	Mexico	US	S. & Cent. America	Europe	Russia	Other CIS	Middle East	Africa	Australasia	China	India	Japan	Singapore		Other Asia Pacific
Canada	–	–	189.7	0.3	3.7	–	–	†	†	†	2.2	0.9	†	–	0.2	197.0
Mexico	–	–	29.9	0.1	10.5	–	–	0.1	–	–	0.5	10.0	0.3	–	6.8	58.1
US	24.2	0.1	–	8.1	45.8	–	†	2.5	0.2	0.5	6.3	9.1	3.1	1.9	36.0	137.7
S. & Cent. America	0.2	†	40.0	–	12.6	†	–	0.4	0.3	–	67.2	18.7	2.3	0.5	3.9	146.2
Europe	0.9	–	6.3	0.8	–	†	†	0.4	0.3	†	13.6	2.4	–	0.2	1.8	26.7
Russia	0.9	–	6.6	0.4	153.0	–	18.4	5.6	†	0.9	77.7	2.9	7.9	1.4	10.4	286.1
Other CIS	0.3	–	1.6	0.1	68.1	†	–	4.9	0.3	0.1	4.2	3.6	0.9	0.4	6.9	91.5
Iraq	–	–	16.5	0.6	55.4	†	†	3.3	0.3	–	51.8	49.2	2.1	2.7	18.9	200.8
Kuwait	–	–	2.2	–	4.9	–	–	†	3.7	–	22.7	10.6	12.6	2.7	39.8	99.2
Saudi Arabia	5.1	–	24.9	3.5	39.9	–	–	13.2	8.4	0.3	83.3	42.6	52.6	6.1	78.5	358.4
UAE	–	–	0.1	†	0.2	†	–	†	2.6	6.1	15.3	19.6	42.9	13.2	39.4	139.4
Other Middle East	–	–	–	†	4.3	–	†	5.7	0.1	0.1	52.2	10.8	19.3	9.2	23.5	125.2
North Africa	0.1	–	4.6	2.7	59.1	–	0.1	1.3	†	2.1	10.7	5.6	0.4	1.4	5.1	93.4
West Africa	1.1	–	14.1	4.7	65.1	†	†	1.7	10.0	1.7	77.8	30.2	0.4	2.3	10.0	219.0
East & S. Africa	†	–	0.2	†	†	†	–	†	†	–	3.9	0.7	0.1	†	0.6	5.5
Australasia	†	–	–	†	†	–	–	0.6	†	–	2.3	–	0.4	3.0	6.8	13.0
China	–	–	–	–	–	–	†	†	–	–	–	–	–	†	0.4	0.4
India	–	–	–	†	†	–	–	†	†	†	–	–	–	†	†	0.1
Japan	–	–	–	–	–	–	–	–	†	†	–	–	–	†	†	†
Singapore	–	–	–	†	–	–	–	–	†	0.4	–	–	–	–	1.5	1.9
Other Asia Pacific	†	–	1.6	†	†	–	–	0.5	0.1	10.6	15.6	4.7	1.5	4.6	–	39.2
Total imports	32.9	0.1	338.4	21.3	522.5	†	18.5	40.2	26.4	22.9	507.2	221.7	146.9	49.6	290.4	2239.0
Product (million tonnes)																
From																
Canada	–	0.6	29.2	1.0	1.7	†	†	†	†	†	0.9	0.1	0.8	0.1	0.4	34.7
Mexico	†	–	2.4	1.1	0.1	–	†	†	0.1	†	0.2	†	0.2	0.7	†	4.8
US	26.3	55.5	–	83.0	23.6	†	†	2.5	8.6	1.1	2.7	10.2	13.1	2.5	22.1	251.1
S. & Cent. America	0.2	0.9	9.2	–	3.8	†	†	0.6	2.6	0.1	1.3	0.4	0.4	2.7	1.3	23.3
Europe	4.8	1.5	24.4	9.6	–	0.4	1.1	13.6	43.9	1.2	2.4	0.6	0.6	16.2	5.1	125.4
Russia	0.3	0.1	18.3	2.8	106.1	–	4.2	3.3	4.8	†	3.1	0.9	1.1	9.4	10.1	164.6
Other CIS	0.3	†	0.6	0.1	8.2	8.8	–	0.1	0.6	†	0.4	0.1	†	0.1	1.2	20.4
Iraq	–	–	0.4	†	†	–	–	0.4	†	–	0.1	1.4	–	6.9	1.7	11.0
Kuwait	†	–	†	0.2	1.8	–	–	4.0	3.5	†	2.4	2.1	1.4	1.8	8.1	25.4
Saudi Arabia	†	–	1.4	0.4	16.5	†	†	5.7	10.3	0.2	3.5	8.1	1.3	3.3	6.7	57.4
UAE	†	†	1.1	1.0	6.7	†	†	5.4	11.2	0.7	6.6	7.9	4.5	8.9	23.1	77.0
Other Middle East	†	†	1.2	0.2	8.1	†	0.1	13.2	5.1	0.2	6.9	6.6	4.4	1.9	14.3	62.1
North Africa	†	–	5.0	1.4	10.3	†	†	0.7	0.4	†	1.6	0.9	0.3	0.7	4.7	26.1
West Africa	†	†	1.3	0.6	2.1	†	†	†	0.5	†	1.7	†	†	0.2	1.2	7.7
East & S. Africa	†	†	†	0.2	0.3	†	†	1.3	0.7	†	†	†	†	†	0.3	3.0
Australasia	†	†	0.1	0.1	1.2	†	†	†	†	–	1.2	0.1	1.3	0.6	1.0	5.5
China	0.3	1.3	0.5	3.7	2.5	†	0.1	1.6	2.8	3.4	–	0.8	0.8	15.0	34.1	66.9
India	†	†	4.6	1.5	10.4	†	†	13.5	10.9	0.6	1.1	–	1.0	5.3	11.9	60.7
Japan	0.1	0.3	1.7	1.5	0.2	†	†	0.1	0.1	4.6	2.4	0.1	–	1.4	6.9	19.3
Singapore	0.1	0.1	1.2	1.2	1.7	†	†	1.2	3.7	9.3	7.1	1.8	0.5	–	58.2	86.1
Other Asia Pacific	0.1	0.6	7.1	0.9	3.8	0.1	0.2	2.3	5.3	11.0	32.8	2.4	8.0	34.8	–	109.3
Total imports	32.5	60.9	109.9	110.2	209.2	9.4	5.6	69.3	115.1	32.2	78.4	44.4	39.7	112.4	212.7	1241.9

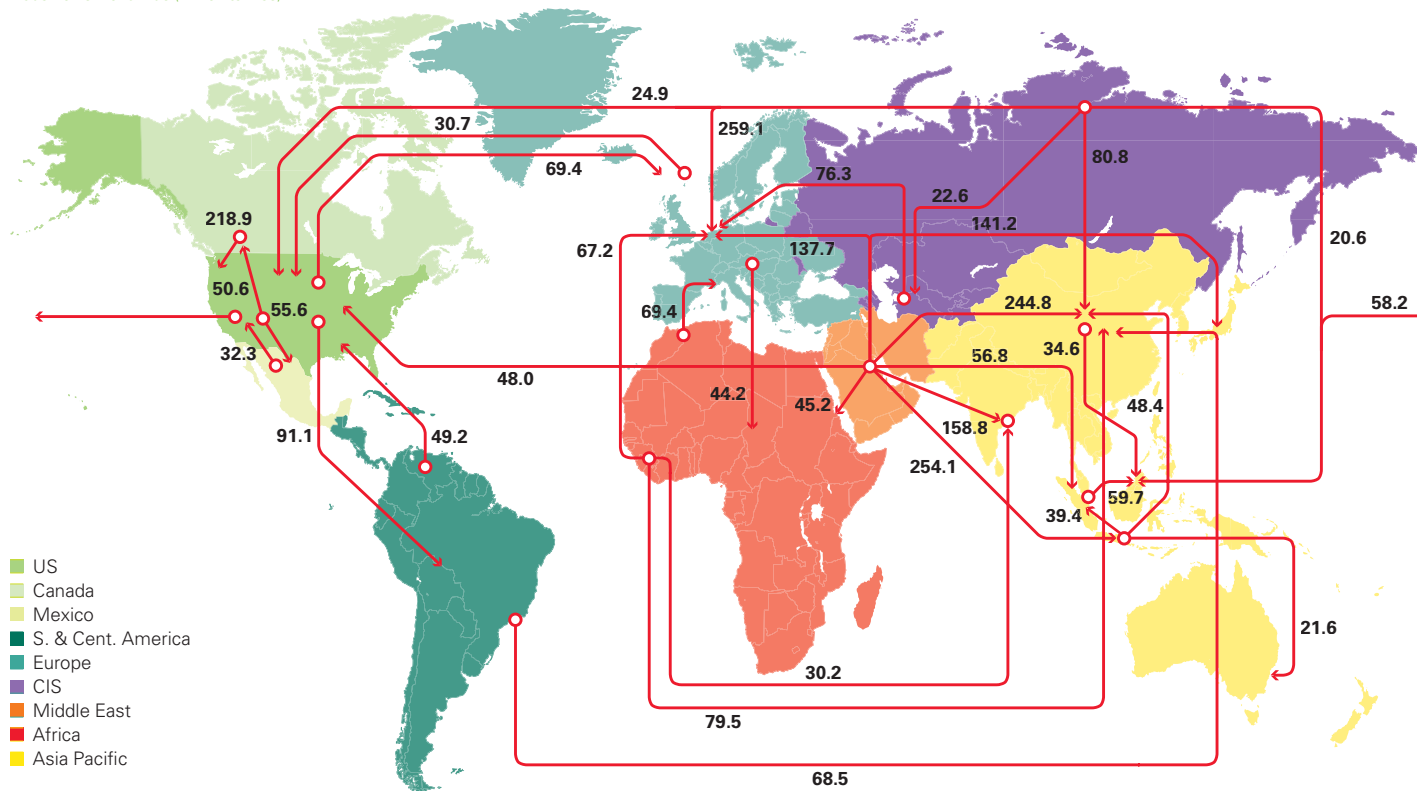
† Less than 0.05.

Notes: Does not include biofuels trade. Bunker fuel use is not included as exports. Intra-area movements (for example, between countries within Europe) are excluded.

Crude imports and exports include condensates.

Major trade movements 2019

Trade flows worldwide (million tonnes)



Oil trade in 2018 and 2019

Million tonnes	2018				2019			
	Crude imports	Product imports	Crude exports	Product exports	Crude imports	Product imports	Crude exports	Product exports
Canada	26.6	35.7	191.5	32.0	32.9	32.5	197.0	34.7
Mexico	0.1	61.6	59.8	5.4	0.1	60.9	58.1	4.8
US	386.8	104.0	92.2	248.9	338.4	109.9	137.7	251.1
S. & Cent. America	24.4	105.9	156.9	28.2	21.3	110.2	146.2	23.3
Europe	514.4	218.4	25.7	138.9	522.5	209.2	26.7	125.4
Russia	0.5	9.4	274.7	170.4	†	9.4	286.1	164.6
Other CIS	18.6	10.0	86.8	21.9	18.5	5.6	91.5	20.4
Iraq	†	3.4	201.1	8.6	†	4.5	200.8	11.0
Kuwait	†	0.7	107.4	25.1	†	0.8	99.2	25.4
Saudi Arabia	†	10.9	367.1	60.6	0.1	11.4	358.4	57.4
United Arab Emirates	7.3	32.4	126.5	75.1	12.3	34.9	139.4	77.0
Other Middle East	24.9	16.7	191.3	59.6	27.8	17.8	125.2	62.1
North Africa	7.3	38.9	92.3	26.6	6.4	37.6	93.4	26.1
West Africa	1.0	41.7	218.9	7.5	0.4	38.5	219.0	7.7
East & S. Africa	21.5	34.4	6.3	3.0	19.6	39.0	5.5	3.0
Australasia	23.4	32.6	9.0	4.0	22.9	32.2	13.0	5.5
China	463.8	81.8	2.4	54.7	507.2	78.4	0.4	66.9
India	226.1	31.3	0.1	58.2	221.7	44.4	0.1	60.7
Japan	150.7	43.7	†	18.0	146.9	39.7	†	19.3
Singapore	51.8	120.4	0.6	88.9	49.6	112.4	1.9	86.1
Other Asia Pacific	300.0	209.0	38.9	107.2	290.4	212.7	39.2	109.3
Total World	2249.3	1242.9	2249.3	1242.9	2239.0	1241.9	2239.0	1241.9
Thousand barrels daily								
Canada	534	747	3845	668	660	679	3956	726
Mexico	3	1287	1200	114	1	1273	1167	101
US	7768	2175	1851	5203	6796	2298	2766	5250
S. & Cent. America	490	2215	3150	590	427	2303	2936	486
Europe	10330	4566	516	2904	10494	4373	537	2622
Russia	10	196	5517	3563	†	197	5746	3440
Other CIS	373	210	1743	458	372	117	1838	427
Iraq	†	71	4039	181	†	94	4032	230
Kuwait	†	15	2156	524	†	17	1992	531
Saudi Arabia	†	228	7372	1266	1	238	7198	1199
United Arab Emirates	147	677	2540	1569	248	729	2800	1610
Other Middle East	501	348	3842	1246	558	372	2514	1299
North Africa	147	812	1853	557	129	785	1875	545
West Africa	19	873	4395	157	9	806	4399	161
East & S. Africa	432	719	127	62	393	815	110	62
Australasia	469	681	182	84	459	672	262	115
China	9314	1711	48	1144	10186	1639	9	1398
India	4541	655	1	1218	4451	928	1	1268
Japan	3027	913	†	376	2950	830	†	404
Singapore	1040	2516	12	1858	997	2350	38	1799
Other Asia Pacific	6025	4368	781	2241	5833	4446	788	2286
Total World	45172	25982	45172	25982	44964	25961	44964	25961

†Less than 0.05.

‡Less than 0.5.

Notes: Does not include biofuels trade. Bunker fuel use is not included as exports. Intra-area movements (for example, between countries within Europe) are excluded. Crude imports and exports include condensates.

Total proved reserves

	At end 1999 Trillion cubic metres	At end 2009 Trillion cubic metres	At end 2018 Trillion cubic metres	At end 2019			
				Trillion cubic metres	Trillion cubic feet	Share of total	R/P ratio
Canada	1.6	1.6	1.9	2.0	70.1	1.0%	11.5
Mexico	0.9	0.3	0.2	0.2	6.3	0.1%	5.3
US	4.5	7.4	12.9	12.9	454.6	6.5%	14.0
Total North America	7.0	9.4	15.0	15.0	531.0	7.6%	13.3
Argentina	0.7	0.4	0.4	0.4	12.7	0.2%	8.7
Bolivia	0.1	0.3	0.2	0.2	7.5	0.1%	14.2
Brazil	0.2	0.4	0.4	0.4	13.3	0.2%	14.5
Colombia	0.2	0.1	0.1	0.1	3.6	0.1%	7.8
Peru	0.2	0.3	0.3	0.3	10.2	0.1%	21.4
Trinidad & Tobago	0.6	0.4	0.3	0.3	10.2	0.1%	8.4
Venezuela	4.6	5.6	6.3	6.3	222.4	3.2%	238.0
Other S. & Cent. America	0.1	0.1	0.1	0.1	2.2	♦	17.5
Total S. & Cent. America	6.8	7.6	8.0	8.0	282.1	4.0%	46.0
Denmark	0.1	0.1	†	†	†	♦	0.0
Germany	0.2	0.1	†	†	0.8	♦	4.1
Italy	0.2	0.1	†	†	1.5	♦	9.4
Netherlands	1.6	1.2	0.2	0.2	6.1	0.1%	6.2
Norway	1.2	2.0	1.6	1.5	54.1	0.8%	13.4
Poland	0.1	0.1	0.1	0.1	2.6	♦	18.1
Romania	0.3	0.6	0.1	0.1	3.6	0.1%	10.6
Ukraine	0.8	0.7	1.1	1.1	38.5	0.5%	55.7
United Kingdom	0.8	0.3	0.2	0.2	6.6	0.1%	4.7
Other Europe	0.2	0.2	0.1	0.1	4.8	0.1%	18.4
Total Europe	5.6	5.3	3.4	3.4	118.7	1.7%	14.2
Azerbaijan	1.0	1.0	2.1	2.8	100.5	1.4%	117.0
Kazakhstan	2.0	2.0	2.7	2.7	93.7	1.3%	113.4
Russian Federation	32.9	34.0	38.0	38.0	1340.5	19.1%	55.9
Turkmenistan	2.6	8.2	19.5	19.5	688.1	9.8%	308.5
Uzbekistan	1.2	1.3	1.2	1.2	42.7	0.6%	21.5
Other CIS	†	†	†	†	1.2	♦	110.9
Total CIS	39.8	46.6	63.6	64.2	2266.8	32.3%	75.8
Bahrain	0.3	0.2	0.2	0.1	2.7	♦	4.6
Iran	23.6	28.0	32.0	32.0	1130.7	16.1%	131.1
Iraq	3.1	3.0	3.5	3.5	125.1	1.8%	328.7
Israel	†	0.1	0.4	0.5	16.4	0.2%	46.2
Kuwait	1.4	1.7	1.7	1.7	59.9	0.9%	92.1
Oman	0.8	0.5	0.7	0.7	23.5	0.3%	18.3
Qatar	11.5	26.2	24.7	24.7	871.6	12.4%	138.6
Saudi Arabia	5.8	7.4	5.9	6.0	211.3	3.0%	52.7
Syria	0.2	0.3	0.3	0.3	9.5	0.1%	72.1
United Arab Emirates	5.8	5.9	5.9	5.9	209.7	3.0%	95.0
Yemen	0.3	0.3	0.3	0.3	9.4	0.1%	458.2
Other Middle East	†	†	†	†	0.2	♦	47.1
Total Middle East	53.0	73.6	75.6	75.6	2670.0	38.0%	108.7
Algeria	4.4	4.3	4.3	4.3	153.1	2.2%	50.3
Egypt	1.2	2.1	2.1	2.1	75.5	1.1%	32.9
Libya	1.2	1.5	1.4	1.4	50.5	0.7%	151.5
Nigeria	3.3	5.0	5.4	5.4	190.4	2.7%	109.4
Other Africa	0.8	1.2	1.4	1.6	57.5	0.8%	58.1
Total Africa	11.0	14.2	14.7	14.9	527.0	7.5%	62.7
Australia	1.6	2.8	2.4	2.4	84.4	1.2%	15.6
Bangladesh	0.3	0.4	0.1	0.1	4.3	0.1%	4.2
Brunei	0.4	0.3	0.2	0.2	8.3	0.1%	18.0
China	1.4	2.9	6.4	8.4	296.6	4.2%	47.3
India	0.6	1.1	1.3	1.3	46.9	0.7%	49.4
Indonesia	2.7	3.1	2.8	1.4	50.5	0.7%	21.2
Malaysia	1.1	1.1	0.9	0.9	33.4	0.5%	12.0
Myanmar	0.3	0.3	1.2	1.2	41.3	0.6%	68.4
Pakistan	0.4	0.6	0.4	0.4	14.2	0.2%	11.9
Papua New Guinea	†	0.1	0.2	0.2	6.2	0.1%	14.2
Thailand	0.4	0.3	0.2	0.2	6.3	0.1%	5.0
Vietnam	0.2	0.7	0.6	0.6	22.8	0.3%	65.6
Other Asia Pacific	0.3	0.3	0.2	0.2	8.4	0.1%	13.9
Total Asia Pacific	9.5	13.9	16.9	17.7	623.5	8.9%	26.3
Total World	132.8	170.5	197.1	198.8	7019.0	100.0%	49.8
of which: OECD	13.2	16.2	20.1	20.1	709.5	10.1%	13.3
Non-OECD	119.6	154.3	177.0	178.7	6309.5	89.9%	72.0
European Union	3.5	2.5	0.7	0.7	23.9	0.3%	6.7

†Less than 0.05.

♦Less than 0.05%.

Notes: Total proved reserves of natural gas – generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions. The data series for total proved natural gas does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at a company level, for instance as published by the US Securities and Exchange Commission, nor does it necessarily represent bp's view of proved reserves by country.

Reserves-to-production (R/P) ratio – if the reserves remaining at the end of any year are divided by the production in that year, the result is the length of time that those remaining reserves would last if production were to continue at that rate.

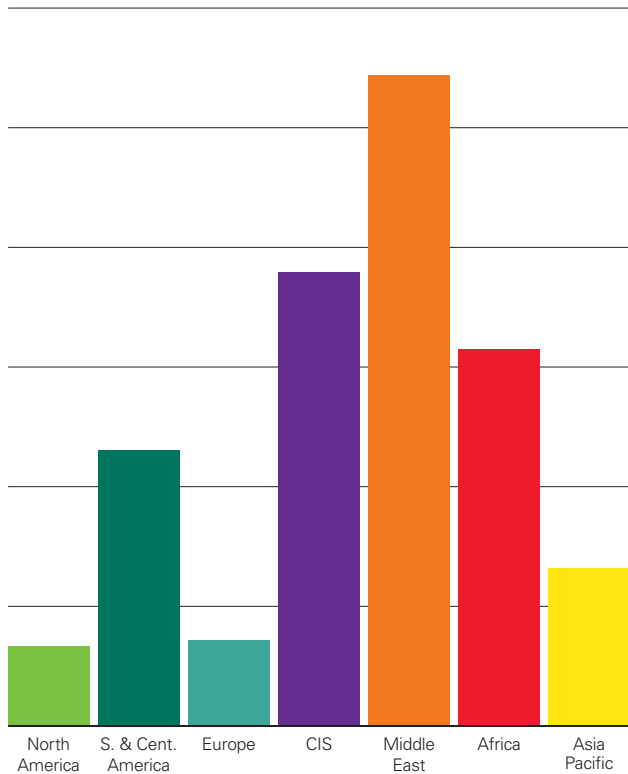
Source of data – the estimates in this table have been compiled using a combination of primary official sources and third-party data from Cedigaz and the OPEC Secretariat.

As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar) and have been standardized using a gross calorific value (GCV) of 40 MJ/m³.

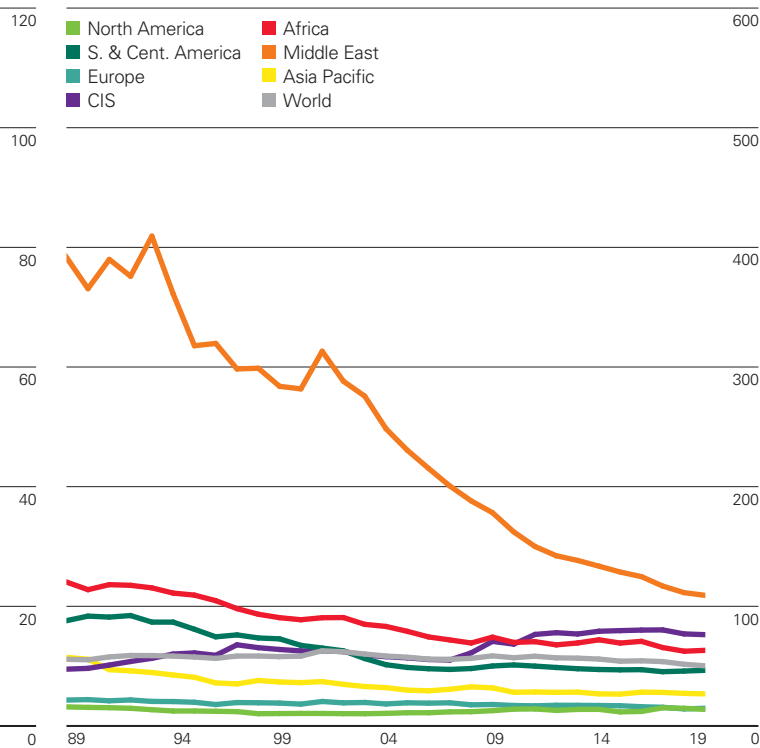
Reserves-to-production (R/P) ratios

Years

2019 by region



History

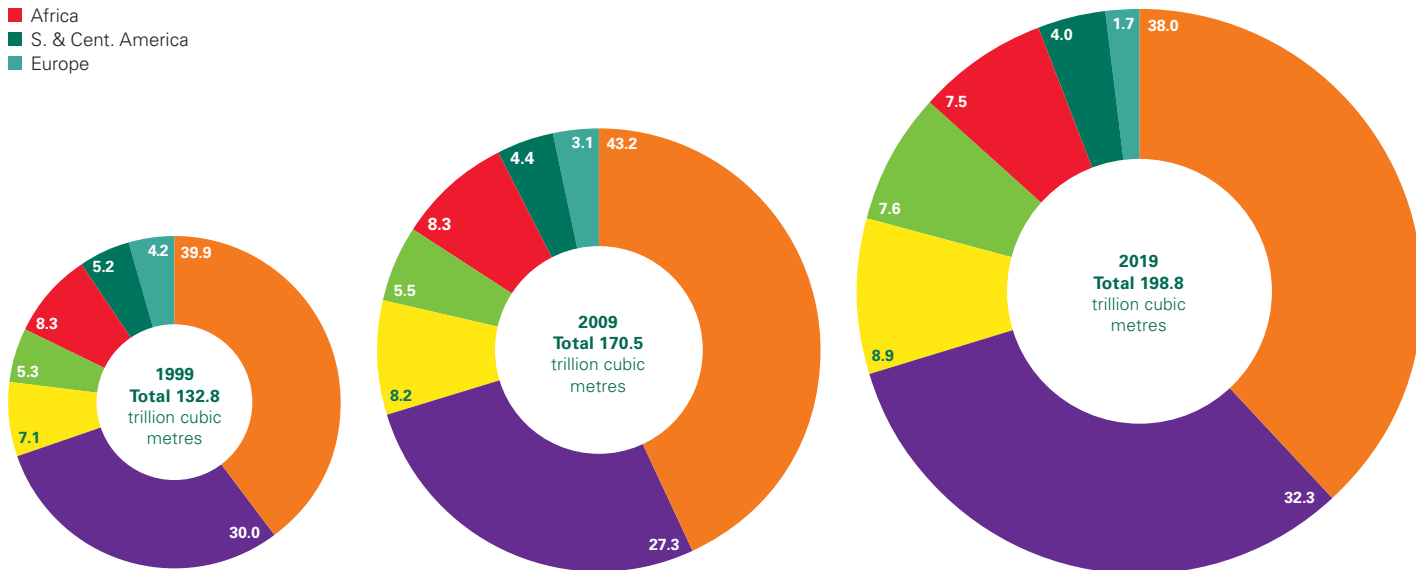


World proved gas reserves increased by 1.7 Tcm to 198.8 Tcm in 2019. China (2 Tcm) and Azerbaijan (0.7 Tcm) provided the largest increments, although this was partially offset by a 1.3 Tcm decline in Indonesian reserves. Russia (38 Tcm), Iran (32 Tcm) and Qatar (24.7 Tcm) are the countries with the largest reserves. The current global R/P ratio shows that gas reserves in 2019 accounted for 49.8 years of current production. The Middle East (108.7 years) and CIS (75.8 years) are the regions with the highest R/P ratio.

Distribution of proved reserves in 1999, 2009 and 2019

Percentage

- Middle East
- CIS
- Asia Pacific
- North America
- Africa
- S. & Cent. America
- Europe



Natural gas: Production in billion cubic metres*

Billion cubic metres	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	155.1	149.6	151.1	150.3	151.9	159.0	160.8	171.8	175.6	179.0	173.1	-3.3%	0.7%	4.3%
Mexico	52.6	51.2	52.1	50.9	52.5	51.3	47.9	43.7	38.3	35.2	34.0	-3.4%	-2.9%	0.9%
US	557.6	575.2	617.4	649.1	655.7	704.7	740.3	727.4	746.2	835.9	920.9	10.2%	4.3%	23.1%
Total North America	765.2	775.9	820.5	850.3	860.1	915.0	949.0	942.8	960.0	1050.1	1128.0	7.4%	3.3%	28.3%
Argentina	40.3	39.0	37.7	36.7	34.6	34.5	35.5	37.3	37.1	39.4	41.6	5.6%	-0.8%	1.0%
Bolivia	11.9	13.7	15.0	17.1	19.6	20.3	19.6	18.8	18.2	17.0	15.0	-12.2%	2.1%	0.4%
Brazil	12.3	15.0	17.2	19.8	21.9	23.3	23.8	24.1	27.2	25.2	25.8	2.6%	5.8%	0.6%
Colombia	10.1	10.8	10.5	11.5	13.2	12.3	11.6	12.0	12.3	12.9	13.2	2.6%	4.0%	0.3%
Peru	3.6	7.3	11.5	12.0	12.4	13.1	12.7	14.0	13.0	12.8	13.5	5.6%	13.8%	0.3%
Trinidad & Tobago	38.6	40.3	38.7	38.5	38.7	38.1	36.0	31.3	31.9	34.0	34.6	1.8%	-1.0%	0.9%
Venezuela	31.8	30.5	30.2	31.9	30.6	31.8	36.1	37.2	38.6	31.6	26.5	-16.3%	-0.6%	0.7%
Other S. & Cent. America	3.8	3.8	3.2	3.0	2.7	2.6	2.9	3.1	3.1	3.3	3.5	5.2%	-1.5%	0.1%
Total S. & Cent. America	152.3	160.4	164.1	170.6	173.8	176.0	178.0	177.9	181.4	176.2	173.6	-1.5%	1.1%	4.4%
Denmark	8.8	8.5	6.9	6.0	5.0	4.8	4.8	4.7	5.1	4.3	3.2	-25.4%	-8.5%	0.1%
Germany	12.7	11.1	10.5	9.5	8.6	8.1	7.5	6.9	6.4	5.5	5.3	-3.8%	-8.6%	0.1%
Italy	7.6	8.0	8.0	8.2	7.4	6.8	6.4	5.5	5.3	5.2	4.6	-10.9%	-5.2%	0.1%
Netherlands	65.5	75.3	69.5	68.4	72.4	60.4	45.9	44.3	38.5	32.3	28.1	-13.0%	-7.6%	0.7%
Norway	103.6	106.4	100.5	113.9	107.9	108.0	116.2	115.9	123.2	121.3	114.4	-5.7%	2.0%	2.9%
Poland	4.3	4.3	4.5	4.5	4.4	4.3	4.3	4.1	4.0	4.0	4.0	0.1%	-0.7%	0.1%
Romania	10.4	10.0	10.1	10.1	10.0	10.2	10.2	9.1	10.0	10.0	9.7	-2.8%	-0.5%	0.2%
Ukraine	20.3	19.4	19.5	19.4	20.2	20.2	18.8	19.0	19.4	19.7	19.6	-0.5%	-0.3%	0.5%
United Kingdom	61.2	57.9	46.1	39.2	37.0	37.4	40.7	41.7	41.9	40.5	39.6	-2.2%	-5.7%	1.0%
Other Europe	9.3	9.3	9.2	8.4	7.2	6.3	6.1	8.7	9.0	8.5	7.4	-12.9%	-1.1%	0.2%
Total Europe	303.7	310.4	284.8	287.5	280.0	266.6	261.0	259.9	262.8	251.2	235.9	-6.1%	-2.4%	5.9%
Azerbaijan	15.9	16.3	16.0	16.8	17.4	18.4	18.8	18.3	17.8	19.0	24.3	27.7%	1.8%	0.6%
Kazakhstan	19.0	20.4	20.1	19.8	21.4	21.7	22.0	22.9	23.4	23.9	23.4	-2.2%	2.7%	0.6%
Russian Federation	536.2	598.4	616.8	601.9	614.5	591.2	584.4	589.3	635.6	669.1	679.0	1.5%	0.9%	17.0%
Turkmenistan	33.3	40.1	56.3	59.0	59.0	63.5	65.9	63.2	58.7	61.5	63.2	2.7%	♦	1.6%
Uzbekistan	58.4	57.1	56.6	56.5	55.9	56.3	53.6	53.1	53.4	57.2	56.3	-1.6%	-0.7%	1.4%
Other CIS	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0%	0.2%	♦
Total CIS	663.2	732.7	766.2	754.3	768.5	751.4	745.0	747.2	789.1	831.1	846.5	1.9%	0.8%	21.2%
Bahrain	12.1	12.4	12.6	13.1	14.0	14.7	14.8	14.4	14.5	14.6	16.9	15.4%	2.0%	0.4%
Iran	135.7	143.9	151.0	156.9	157.5	175.5	183.5	199.3	219.5	238.3	244.2	2.4%	6.8%	6.1%
Iraq	6.9	7.1	6.3	6.3	7.1	7.5	7.3	9.9	10.1	10.6	10.8	1.9%	5.1%	0.3%
Kuwait	10.9	11.1	12.9	14.7	15.5	14.3	16.1	16.4	16.2	16.9	18.4	9.2%	3.4%	0.5%
Oman	23.9	25.7	27.1	28.3	30.8	29.3	30.7	31.5	32.3	36.0	36.3	0.9%	4.1%	0.9%
Qatar	92.4	123.1	150.4	162.5	168.2	169.5	174.9	173.6	168.6	176.5	178.1	0.9%	8.3%	4.5%
Saudi Arabia	74.5	83.3	87.6	94.4	95.0	97.3	99.2	105.3	109.3	112.1	113.6	1.4%	3.9%	2.8%
Syria	6.1	8.4	7.4	6.1	5.0	4.6	4.1	3.5	3.5	3.6	3.7	3.6%	-4.3%	0.1%
United Arab Emirates	47.6	50.0	51.0	52.9	53.2	52.9	58.7	60.3	62.4	61.4	62.5	1.9%	2.3%	1.6%
Yemen	0.8	6.3	9.4	7.6	10.4	9.8	2.9	0.5	0.6	0.6	0.6	0.8%	n/a	♦
Other Middle East	2.7	3.3	4.2	2.5	6.3	7.3	8.1	9.0	9.5	10.1	10.1	0.1%	11.3%	0.3%
Total Middle East	413.8	474.6	520.0	545.5	562.9	582.7	600.2	623.9	646.5	680.7	695.3	2.1%	5.7%	17.4%
Algeria	76.6	77.4	79.6	78.4	79.3	80.2	81.4	91.4	93.0	93.8	86.2	-8.1%	1.3%	2.2%
Egypt	60.3	59.0	59.1	58.6	54.0	47.0	42.6	40.3	48.8	58.6	64.9	10.9%	0.3%	1.6%
Libya	15.1	16.0	7.5	11.6	12.2	11.8	11.0	9.4	8.6	8.3	9.4	14.0%	-5.8%	0.2%
Nigeria	23.2	30.9	36.4	39.2	33.1	40.0	47.6	42.6	47.2	48.3	49.3	2.1%	3.9%	1.2%
Other Africa	16.9	19.0	19.1	19.0	19.8	19.7	21.4	22.2	26.5	27.3	28.0	2.7%	5.1%	0.7%
Total Africa	192.1	202.3	201.7	206.8	198.3	198.7	204.0	205.9	224.2	236.2	237.9	0.7%	1.5%	6.0%
Australia	46.7	54.0	55.7	59.5	61.8	66.6	76.0	96.4	112.8	130.1	153.5	18.0%	12.1%	3.8%
Bangladesh	18.7	19.3	19.6	21.3	22.0	23.0	25.9	26.5	26.6	26.6	28.7	8.0%	5.0%	0.7%
Brunei	11.1	12.0	12.5	12.3	11.9	12.7	13.3	12.9	12.9	12.6	13.0	3.3%	0.6%	0.3%
China	85.9	96.5	106.2	111.5	121.8	131.2	135.7	137.9	149.2	161.5	177.6	9.9%	7.2%	4.5%
India	36.1	47.4	42.9	37.3	31.1	29.4	28.1	26.6	27.7	27.5	26.9	-2.1%	-0.7%	0.7%
Indonesia	78.0	87.0	82.7	78.3	77.6	76.4	76.2	75.1	72.7	72.8	67.5	-7.2%	-0.3%	1.7%
Malaysia	66.2	65.1	67.0	69.3	72.6	72.2	76.8	76.7	78.5	77.3	78.8	2.0%	1.1%	2.0%
Myanmar	11.4	12.2	12.6	12.5	12.9	16.5	19.2	18.3	17.8	17.1	17.1	-	3.4%	0.4%
Pakistan	34.7	35.3	35.3	36.6	35.6	35.0	35.0	34.7	34.7	34.2	33.9	-1.0%	-0.1%	0.8%
Thailand	29.4	33.7	33.8	38.4	38.9	39.1	37.5	37.3	35.9	34.7	35.8	3.0%	1.5%	0.9%
Vietnam	7.7	9.1	8.2	9.0	9.4	9.9	10.3	10.2	9.5	9.7	9.9	2.0%	2.9%	0.2%
Other Asia Pacific	18.5	18.2	18.3	18.0	18.7	23.6	29.4	30.2	30.2	28.1	29.6	5.5%	4.4%	0.7%
Total Asia Pacific	444.6	489.8	494.7	504.0	514.2	535.5	563.5	582.8	608.5	632.0	672.1	6.3%	4.0%	16.8%
Total World	2934.9	3146.2	3251.9	3318.9	3357.8	3425.9	3500.6	3540.4	3672.5	3857.5	3989.3	3.4%	2.4%	100.0%
of which: OECD	1094.9	1121.7	1141.9	1177.1	1184.8	1232.0	1271.5	1286.9	1323.3	1419.3	1506.2	6.1%	2.6%	37.8%
Non-OECD	1840.0	2024.5	2110.0	2141.8	2173.1	2193.9	2229.2	2253.4	2349.2	2438.3	2483.2	1.8%	2.4%	62.2%
European Union	178.8	183.5	163.5	153.1	150.9	137.4	124.9	124.1	119.3	109.3	101.0	-7.7%	-5.8%	2.5%

*Excludes gas flared or recycled. Includes natural gas produced for gas-to-liquids transformation.

Source: includes data from Cedigaz, FGE MENAgas service.

♦Less than 0.05%.

n/a not available.

Notes: As far as possible, the data above represents standard cubic metres (measured at 15°C and 1013 mbar); as they are derived directly from measures of energy content using an average conversion factor and have been standardized using a gross calorific value (GCV) of 40 MJ/m³, they do not necessarily equate with gas volumes expressed in specific national terms.

Annual changes and shares of total are calculated using billion cubic metres figures.

Natural gas production data expressed in billion cubic feet per day is available at bp.com/statisticalreview.

Natural gas: Production in exajoules*

Exajoules	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	5.58	5.39	5.44	5.41	5.47	5.72	5.79	6.18	6.32	6.45	6.23	-3.3%	0.7%	4.3%
Mexico	1.89	1.84	1.88	1.83	1.89	1.85	1.73	1.57	1.38	1.27	1.22	-3.4%	-2.9%	0.9%
US	20.07	20.71	22.22	23.37	23.60	25.37	26.65	26.18	26.86	30.09	33.15	10.2%	4.3%	23.1%
Total North America	27.55	27.93	29.54	30.61	30.96	32.94	34.16	33.94	34.56	37.80	40.61	7.4%	3.3%	28.3%
Argentina	1.45	1.40	1.36	1.32	1.24	1.24	1.28	1.34	1.34	1.42	1.50	5.6%	-0.8%	1.0%
Bolivia	0.43	0.49	0.54	0.62	0.70	0.73	0.70	0.68	0.66	0.61	0.54	-12.2%	2.1%	0.4%
Brazil	0.44	0.54	0.62	0.71	0.79	0.84	0.86	0.87	0.98	0.91	0.93	2.6%	5.8%	0.6%
Colombia	0.36	0.39	0.38	0.41	0.48	0.44	0.42	0.43	0.44	0.46	0.47	2.6%	4.0%	0.3%
Peru	0.13	0.26	0.41	0.43	0.45	0.47	0.46	0.50	0.47	0.46	0.49	5.6%	13.8%	0.3%
Trinidad & Tobago	1.39	1.45	1.39	1.39	1.39	1.37	1.29	1.13	1.15	1.22	1.24	1.8%	-1.0%	0.9%
Venezuela	1.14	1.10	1.09	1.15	1.10	1.14	1.30	1.34	1.39	1.14	0.95	-16.3%	-0.6%	0.7%
Other S. & Cent. America	0.14	0.14	0.11	0.11	0.10	0.09	0.10	0.11	0.11	0.12	0.13	5.2%	-1.5%	0.1%
Total S. & Cent. America	5.48	5.78	5.91	6.14	6.26	6.34	6.41	6.40	6.53	6.34	6.25	-1.5%	1.1%	4.4%
Denmark	0.32	0.31	0.25	0.22	0.18	0.17	0.17	0.17	0.18	0.15	0.12	-25.4%	-8.5%	0.1%
Germany	0.46	0.40	0.38	0.34	0.31	0.29	0.27	0.25	0.23	0.20	0.19	-3.8%	-8.6%	0.1%
Italy	0.27	0.29	0.29	0.30	0.27	0.25	0.23	0.20	0.19	0.19	0.17	-10.9%	-5.2%	0.1%
Netherlands	2.36	2.71	2.50	2.46	2.61	2.17	1.65	1.59	1.39	1.16	1.01	-13.0%	-7.6%	0.7%
Norway	3.73	3.83	3.62	4.10	3.89	3.89	4.18	4.17	4.44	4.37	4.12	-5.7%	2.0%	2.9%
Poland	0.15	0.15	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.1%	-0.7%	0.1%
Romania	0.37	0.36	0.36	0.36	0.36	0.37	0.37	0.33	0.36	0.36	0.35	-2.8%	-0.5%	0.2%
Ukraine	0.73	0.70	0.70	0.70	0.73	0.73	0.68	0.68	0.70	0.71	0.71	-0.5%	-0.3%	0.5%
United Kingdom	2.20	2.08	1.66	1.41	1.33	1.35	1.46	1.50	1.51	1.46	1.43	-2.2%	-5.7%	1.0%
Other Europe	0.33	0.34	0.33	0.30	0.26	0.23	0.22	0.31	0.32	0.30	0.27	-12.9%	-1.1%	0.2%
Total Europe	10.93	11.17	10.25	10.35	10.08	9.60	9.39	9.36	9.46	9.04	8.49	-6.1%	-2.4%	5.9%
Azerbaijan	0.57	0.59	0.57	0.61	0.63	0.66	0.68	0.66	0.64	0.69	0.88	27.7%	1.8%	0.6%
Kazakhstan	0.68	0.74	0.72	0.71	0.77	0.78	0.79	0.83	0.84	0.86	0.84	-2.2%	2.7%	0.6%
Russian Federation	19.30	21.54	22.21	21.67	22.12	21.28	21.04	21.21	22.88	24.09	24.45	1.5%	0.9%	17.0%
Turkmenistan	1.20	1.44	2.03	2.12	2.12	2.29	2.37	2.28	2.11	2.21	2.27	2.7%	♦	1.6%
Uzbekistan	2.10	2.06	2.04	2.03	2.01	2.03	1.93	1.91	1.92	2.06	2.03	-1.6%	-0.7%	1.4%
Other CIS	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.0%	0.2%	♦
Total CIS	23.87	26.38	27.58	27.16	27.67	27.05	26.82	26.90	28.41	29.92	30.47	1.9%	0.8%	21.2%
Bahrain	0.44	0.45	0.45	0.47	0.50	0.53	0.53	0.52	0.52	0.53	0.61	15.4%	2.0%	0.4%
Iran	4.89	5.18	5.44	5.65	5.67	6.32	6.61	7.18	7.90	8.58	8.79	2.4%	6.8%	6.1%
Iraq	0.25	0.26	0.23	0.23	0.25	0.27	0.26	0.36	0.36	0.38	0.39	1.9%	5.1%	0.3%
Kuwait	0.39	0.40	0.46	0.53	0.56	0.51	0.58	0.59	0.58	0.61	0.66	9.2%	3.4%	0.5%
Oman	0.86	0.93	0.98	1.02	1.11	1.06	1.11	1.13	1.16	1.30	1.31	0.9%	4.1%	0.9%
Qatar	3.33	4.43	5.41	5.85	6.05	6.10	6.30	6.25	6.07	6.35	6.41	0.9%	8.3%	4.5%
Saudi Arabia	2.68	3.00	3.16	3.40	3.42	3.50	3.57	3.79	3.93	4.04	4.09	1.4%	3.9%	2.8%
Syria	0.22	0.30	0.27	0.22	0.18	0.17	0.15	0.13	0.13	0.13	0.13	3.6%	-4.3%	0.1%
United Arab Emirates	1.71	1.80	1.84	1.91	1.92	1.90	2.11	2.17	2.24	2.21	2.25	1.9%	2.3%	1.6%
Yemen	0.03	0.23	0.34	0.27	0.37	0.35	0.10	0.02	0.02	0.02	0.02	0.8%	n/a	♦
Other Middle East	0.10	0.12	0.15	0.09	0.23	0.26	0.29	0.33	0.34	0.36	0.37	0.1%	11.3%	0.3%
Total Middle East	14.90	17.09	18.72	19.64	20.26	20.98	21.61	22.46	23.28	24.51	25.03	2.1%	5.7%	17.4%
Algeria	2.76	2.79	2.87	2.82	2.86	2.89	2.93	3.29	3.35	3.38	3.10	-8.1%	1.3%	2.2%
Egypt	2.17	2.12	2.13	2.11	1.94	1.69	1.53	1.45	1.76	2.11	2.34	10.9%	0.3%	1.6%
Libya	0.54	0.58	0.27	0.42	0.44	0.43	0.40	0.34	0.31	0.30	0.34	14.0%	-5.8%	0.2%
Nigeria	0.83	1.11	1.31	1.41	1.19	1.44	1.71	1.53	1.70	1.74	1.77	2.1%	3.9%	1.2%
Other Africa	0.61	0.69	0.69	0.68	0.71	0.71	0.77	0.80	0.96	0.98	1.01	2.7%	5.1%	0.7%
Total Africa	6.92	7.28	7.26	7.44	7.14	7.15	7.34	7.41	8.07	8.50	8.57	0.7%	1.5%	6.0%
Australia	1.68	1.94	2.00	2.14	2.22	2.40	2.74	3.47	4.06	4.68	5.52	18.0%	12.1%	3.8%
Bangladesh	0.67	0.69	0.70	0.77	0.79	0.83	0.93	0.95	0.96	0.96	1.03	8.0%	5.0%	0.7%
Brunei	0.40	0.43	0.45	0.44	0.43	0.46	0.48	0.47	0.46	0.45	0.47	3.3%	0.6%	0.3%
China	3.09	3.48	3.82	4.01	4.39	4.72	4.88	4.97	5.37	5.82	6.39	9.9%	7.2%	4.5%
India	1.30	1.71	1.55	1.34	1.12	1.06	1.01	0.96	1.00	0.99	0.97	-2.1%	-0.7%	0.7%
Indonesia	2.81	3.13	2.98	2.82	2.79	2.75	2.74	2.70	2.62	2.62	2.43	-7.2%	-0.3%	1.7%
Malaysia	2.38	2.34	2.41	2.49	2.61	2.60	2.77	2.76	2.82	2.78	2.84	2.0%	1.1%	2.0%
Myanmar	0.41	0.44	0.45	0.45	0.46	0.60	0.69	0.66	0.64	0.61	0.61	-	3.4%	0.4%
Pakistan	1.25	1.27	1.27	1.32	1.28	1.26	1.26	1.25	1.25	1.23	1.22	-1.0%	-0.1%	0.8%
Thailand	1.06	1.21	1.22	1.38	1.40	1.41	1.35	1.34	1.29	1.25	1.29	3.0%	1.5%	0.9%
Vietnam	0.28	0.33	0.29	0.32	0.34	0.35	0.37	0.37	0.34	0.35	0.35	2.0%	2.9%	0.2%
Other Asia Pacific	0.67	0.65	0.66	0.65	0.67	0.85	1.06	1.09	1.09	1.01	1.07	5.5%	4.4%	0.7%
Total Asia Pacific	16.01	17.63	17.81	18.14	18.51	19.28	20.28	20.98	21.90	22.75	24.20	6.3%	4.0%	16.8%
Total World	105.66	113.26	117.07	119.48	120.88	123.33	126.02	127.45	132.21	138.87	143.62	3.4%	2.4%	100.0%
of which: OECD	39.42	40.38	41.11	42.37	42.65	44.35	45.77	46.33	47.64	51.09	54.22	6.1%	2.6%	37.8%
Non-OECD	66.24	72.88	75.96	77.11	78.23	78.98	80.25	81.12	84.57	87.78	89.39	1.8%	2.4%	62.2%
European Union	6.44	6.60	5.89	5.51	5.43	4.94	4.50	4.47	4.29	3.94	3.63	-7.7%	-5.8%	2.5%

*Excludes gas flared or recycled. Includes natural gas produced for gas-to-liquids transformation.

Source: includes data from Cedigaz, FGE MENAgas service.

♦Less than 0.05%.

n/a not available.

Note: Annual changes and shares of total are calculated using exajoules figures.

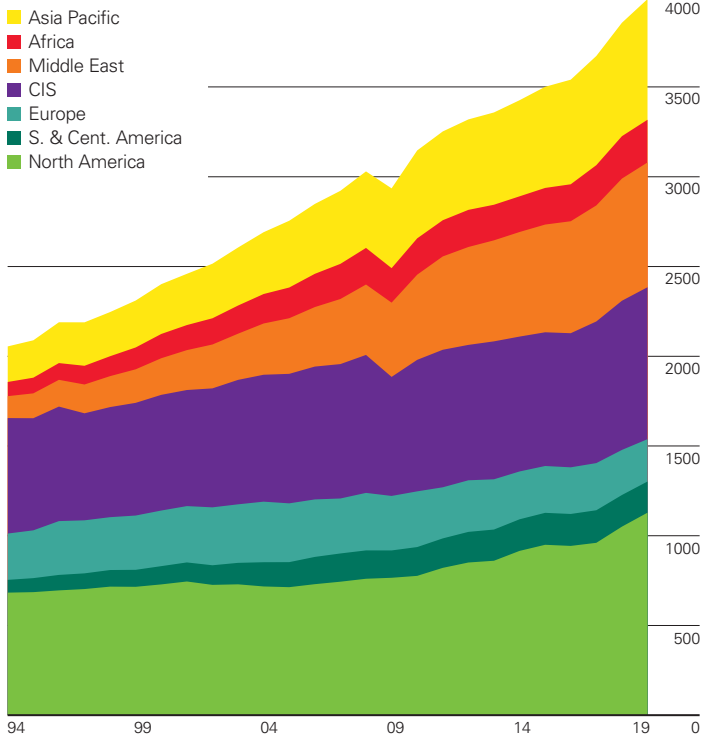
Natural gas: Consumption in billion cubic metres*

Billion cubic metres	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Growth rate per annum		Share 2019
												2019	2008-18	
Canada	86.6	88.3	97.5	97.2	104.3	109.6	109.8	106.2	109.3	118.3	120.3	1.7%	2.8%	3.1%
Mexico	65.2	66.0	70.8	73.7	77.8	78.8	80.8	83.0	86.0	87.6	90.7	3.5%	3.9%	2.3%
US	617.6	648.2	658.2	688.1	707.0	722.3	743.6	749.1	740.0	819.9	846.6	3.3%	2.7%	21.5%
Total North America	769.4	802.5	826.6	859.0	889.1	910.7	934.1	938.3	935.3	1025.8	1057.6	3.1%	2.8%	26.9%
Argentina	41.8	42.1	43.8	45.7	46.0	46.2	46.7	48.2	48.3	48.7	47.5	-2.5%	1.2%	1.2%
Brazil	20.7	27.6	27.5	32.6	38.4	40.7	42.9	37.1	37.6	35.9	35.8	-0.2%	3.4%	0.9%
Chile	2.8	5.7	5.8	5.3	5.3	4.4	4.8	5.9	5.6	6.4	6.5	1.1%	8.8%	0.2%
Colombia	8.4	8.7	8.5	9.5	10.5	11.4	11.2	12.1	12.4	13.2	13.4	1.8%	6.1%	0.3%
Ecuador	0.6	0.6	0.6	0.7	0.9	0.9	0.8	0.9	0.8	0.7	0.6	-10.6%	3.6%	*
Peru	3.3	5.4	6.3	6.9	6.7	7.4	7.6	8.5	7.5	8.0	8.3	3.7%	9.4%	0.2%
Trinidad & Tobago	19.1	20.7	20.5	20.2	20.4	20.5	19.6	16.9	18.3	17.4	17.5	1.0%	-1.0%	0.4%
Venezuela	34.2	31.3	33.3	34.6	32.3	34.0	37.0	37.2	38.6	31.6	26.5	-16.3%	-1.0%	0.7%
Other S. & Cent. America	4.9	5.1	5.8	6.3	6.9	7.2	7.1	7.3	7.2	8.0	9.2	14.7%	5.4%	0.2%
Total S. & Cent. America	135.8	147.3	152.1	161.8	167.3	172.6	177.8	174.2	176.3	169.9	165.4	-2.7%	1.9%	4.2%
Austria	8.8	9.6	9.0	8.6	8.2	7.5	8.0	8.3	9.1	8.7	8.9	2.5%	-0.4%	0.2%
Belgium	17.6	19.4	16.5	16.7	16.5	14.5	15.8	16.2	16.4	16.9	17.4	3.0%	-0.3%	0.4%
Czech Republic	7.9	9.4	7.9	8.0	8.1	7.2	7.5	8.2	8.4	8.0	8.3	4.3%	-0.4%	0.2%
Finland	3.7	4.1	3.6	3.2	3.0	2.7	2.3	2.0	1.8	2.1	2.0	-3.8%	-6.7%	0.1%
France	44.7	49.6	43.0	44.4	45.1	37.9	40.8	44.5	44.8	42.7	43.4	1.7%	-0.8%	1.1%
Germany	84.4	88.1	80.9	81.1	85.0	73.9	77.0	84.9	87.7	85.9	88.7	3.3%	-0.4%	2.3%
Greece	3.4	3.7	4.6	4.2	3.7	2.8	3.1	4.0	4.8	4.7	5.1	9.0%	1.5%	0.1%
Hungary	10.6	11.4	10.9	9.7	9.1	8.1	8.7	9.3	9.9	9.6	9.8	2.0%	-2.4%	0.2%
Italy	74.3	79.1	74.2	71.4	66.7	59.0	64.3	67.5	71.6	69.2	70.8	2.3%	-1.5%	1.8%
Netherlands	41.4	46.8	40.9	39.3	39.1	34.5	34.1	35.2	36.2	35.4	36.8	4.2%	-1.3%	0.9%
Norway	4.1	4.1	4.0	4.0	4.0	4.3	4.5	4.4	4.6	4.5	4.5	0.2%	0.4%	0.1%
Poland	15.1	16.2	16.5	17.4	17.4	17.0	17.1	18.3	19.2	19.9	20.4	2.3%	2.4%	0.5%
Portugal	4.8	5.2	5.3	4.6	4.3	4.1	4.8	5.1	6.3	5.8	6.1	5.7%	1.9%	0.2%
Romania	12.3	12.5	12.9	12.5	11.4	10.9	10.4	10.5	11.3	11.6	10.9	-5.9%	-2.0%	0.3%
Spain	36.3	36.2	33.6	33.2	30.3	27.5	28.5	29.1	31.7	31.5	36.1	14.8%	-2.5%	0.9%
Sweden	1.1	1.5	1.2	1.1	1.0	0.8	0.9	1.0	1.0	1.0	1.0	3.2%	1.7%	*
Switzerland	3.1	3.5	3.1	3.4	3.6	3.1	3.3	3.5	3.5	3.3	3.4	2.4%	0.2%	0.1%
Turkey	33.7	35.8	41.8	43.3	44.0	46.6	46.0	44.5	51.6	47.2	43.2	-8.5%	3.0%	1.1%
Ukraine	48.9	54.6	56.1	51.8	47.7	40.3	32.0	31.4	30.2	30.6	28.2	-7.7%	-6.9%	0.7%
United Kingdom	91.2	98.5	81.9	76.9	76.3	70.1	72.0	80.7	78.6	79.3	78.8	-0.5%	-2.1%	2.0%
Other Europe	29.8	33.5	32.3	30.7	29.7	27.2	28.1	28.9	30.3	30.2	30.1	-0.4%	-1.2%	0.8%
Total Europe	577.4	622.9	580.4	565.7	554.4	500.0	509.2	537.4	558.9	548.0	554.1	1.1%	-1.3%	14.1%
Azerbaijan	8.6	8.1	8.9	9.4	9.4	9.9	11.1	10.9	10.6	10.8	11.8	9.0%	0.8%	0.3%
Belarus	16.9	20.7	19.2	19.4	19.3	19.1	17.9	17.8	18.2	19.3	19.3	-0.3%	-0.3%	0.5%
Kazakhstan	10.1	11.0	12.2	13.0	13.6	15.0	15.3	15.8	16.8	19.0	17.9	-5.8%	6.0%	0.5%
Russian Federation	397.8	423.9	435.6	428.6	424.9	422.2	408.7	420.6	431.1	454.5	444.3	-2.2%	0.7%	11.3%
Turkmenistan	17.1	18.3	20.7	22.9	19.3	20.0	25.4	25.1	24.8	28.4	31.5	11.1%	13.7%	0.8%
Uzbekistan	44.1	44.0	47.4	46.2	46.2	48.5	46.3	43.3	43.1	44.4	43.4	-2.2%	0.1%	1.1%
Other CIS	5.3	5.2	5.5	5.7	4.8	5.3	5.2	5.1	5.1	5.9	5.5	-6.0%	-0.1%	0.1%
Total CIS	499.9	531.3	549.5	545.2	537.3	539.9	530.0	538.8	549.6	582.3	573.7	-1.5%	1.1%	14.6%
Iran	134.8	144.4	153.2	152.5	153.8	173.4	184.0	196.3	209.1	224.1	223.6	-0.2%	5.9%	5.7%
Iraq	6.9	7.1	6.3	6.3	7.1	7.5	7.3	9.9	11.4	14.6	19.9	36.5%	8.5%	0.5%
Israel	4.0	5.1	4.7	2.4	6.6	7.2	8.1	9.2	9.9	10.5	10.8	2.4%	11.3%	0.3%
Kuwait	11.8	14.0	15.9	17.5	17.8	17.9	20.3	21.1	21.0	21.2	23.5	11.2%	5.8%	0.6%
Oman	13.7	16.3	18.1	19.7	21.7	21.3	23.0	22.8	23.3	25.0	25.0	0.1%	6.5%	0.6%
Qatar	21.3	25.4	28.7	33.6	35.5	38.5	42.4	40.2	39.9	41.4	41.1	-0.7%	7.2%	1.0%
Saudi Arabia	74.5	83.3	87.6	94.4	95.0	97.3	99.2	105.3	109.3	112.1	113.6	1.4%	3.9%	2.9%
United Arab Emirates	57.6	59.3	61.6	63.9	64.7	63.4	71.5	72.7	74.7	74.4	76.0	2.2%	2.5%	1.9%
Other Middle East	22.7	25.2	21.9	20.4	21.0	20.9	22.4	23.0	23.5	22.6	24.8	9.9%	0.9%	0.6%
Total Middle East	347.3	380.1	398.1	410.8	423.3	447.5	478.3	500.7	522.2	545.8	558.4	2.3%	4.9%	14.2%
Algeria	26.2	25.3	26.8	29.9	32.1	36.1	37.9	38.6	39.5	43.4	45.2	4.2%	5.9%	1.2%
Egypt	40.9	43.4	47.8	50.6	49.5	46.2	46.0	49.4	55.9	59.6	58.9	-1.1%	4.2%	1.5%
Morocco	0.6	0.7	0.9	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	-5.2%	5.8%	*
South Africa	3.3	4.1	4.3	4.4	4.1	4.3	4.3	4.5	4.4	4.5	4.3	-4.2%	1.3%	0.1%
Other Africa	24.5	25.4	27.5	29.1	29.8	32.2	39.1	38.4	39.1	40.3	40.7	0.9%	4.3%	1.0%
Total Africa	95.6	98.9	107.2	115.1	116.6	119.9	128.5	132.0	140.1	148.8	150.1	0.9%	4.6%	3.8%
Australia	29.1	33.8	35.3	35.4	37.2	40.1	42.1	41.7	41.2	41.4	53.7	29.7%	3.8%	1.4%
Bangladesh	18.7	19.3	19.6	21.3	22.0	23.0	25.9	26.5	26.6	27.4	34.4	25.3%	5.3%	0.9%
China	90.2	108.9	135.2	150.9	171.9	188.4	194.7	209.4	240.4	283.0	307.3	8.6%	13.2%	7.8%
China Hong Kong SAR	2.9	3.6	2.9	2.6	2.5	2.4	3.0	3.1	3.1	3.0	3.1	3.3%	0.1%	0.1%
India	49.1	59.0	60.3	55.7	49.0	48.5	47.8	50.8	53.7	58.1	59.7	2.7%	3.8%	1.5%
Indonesia	42.1	44.0	42.7	43.0	44.5	44.0	45.8	44.6	43.2	44.5	43.8	-1.6%	1.2%	1.1%
Japan	92.5	99.9	112.0	123.2	123.5	124.8	118.7	116.4	117.0	115.7	108.1	-6.6%	1.6%	2.8%
Malaysia	40.0	38.0	38.3	42.0	44.6	44.7	46.8	45.0	45.0	41.0	42.3	3.1%	-0.6%	1.1%
New Zealand	4.0	4.4	4.0	4.5	4.7	5.2	4.9	4.8	4.9	4.4	4.8	8.9%	1.2%	0.1%
Pakistan	34.7	35.3	35.3	36.6	35.6	35.0	36.5	38.7	40.7	43.6	45.7	4.8%	2.3%	1.2%
Philippines	3.7	3.5	3.8	3.6	3.4	3.5	3.3	3.8	3.8	4.1	4.1	-0.2%	1.0%	0.1%
Singapore	9.2	8.3	8.3	8.9	10.0	10.4	11.6	11.9	12.3	12.3	12.7	3.7%	3.5%	0.3%
South Korea	35.5	45.0	48.4	52.5	55.0	50.0	45.6	47.6	49.8	57.8	56.0	-3.2%	4.5%	1.4%
Sri Lanka	-	-	-	-	-	-	-	-	-	-	-	n/a	n/a	n/a
Taiwan	12.5	15.5	17.0	17.9	17.9	18.9	20.2	21.0	23.2	23.7	23.3	-1.7%	6.4%	0.6%
Thailand	38.1	43.2	44.3	48.6	48.9	49.9	51.0	50.6	50.1	50.0	50.8	1.6%	3.1%	1.3%
Vietnam	7.7	9.1	8.2	9.0	9.4	9.9	10.3	10.2	9.5	9.7	9.9	2.0%	2.9%	0.3%
Other Asia Pacific	5.5	6.8	7.5	8.5	8.6	10.1	12.0	11.4	11.4	11.3	10.3	-8.9%	5.9%	0.3%
Total Asia Pacific	515.6	577.7	623.2	664.4	688.6	708.8	720.2	737.5	776.1	831.0	869.9	4.7%	5.1%	22.1%
Total World	2941.1	3160.7	3237.1	3322.0	3376.6	3399.4	3478.0	3559.0	3658.6	3851.7	3929.2	2.0%	2.5%	100.0%
of which: OECD	1445.3	1542.9	1537.9	1573.9	1606.9	1581.9	1615.1	1649.1	1669.5	1756.5	1801.1	2.5%	1.6%	45.8%
Non-OECD	1495.8	1617.7	1699.2	1748.1	1769.7	1817.5	1862.9	1909.9	1989.0	2095.1	2128.2	1.6%	3.3%	54.2%
European Union	484.5	521.3	471.0	459.1	450.8	401.4	418.7	448.8	463.8	457.2	469.6	2.7%	-1.2%	12.0%

Source: includes data from Cedigaz, FGE MENAgas service.

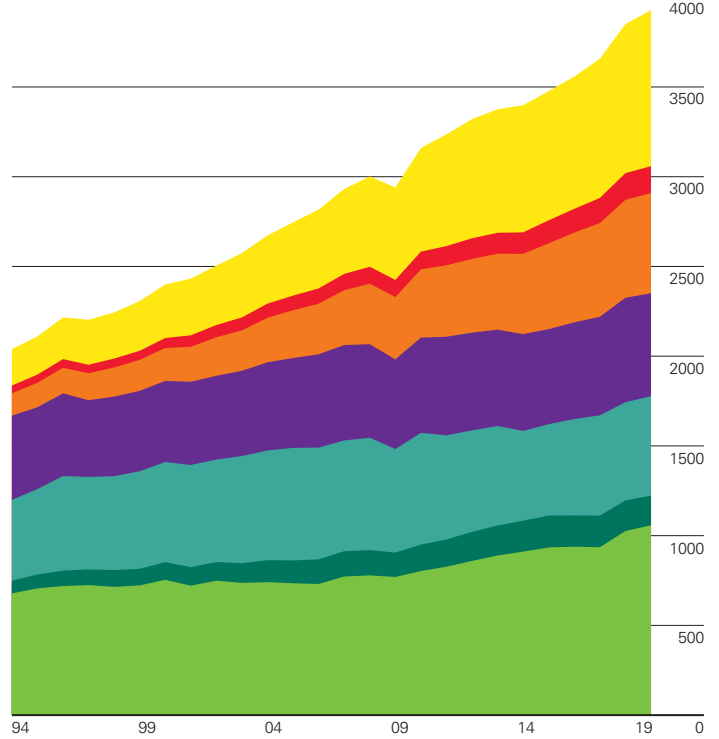
Natural gas: Production by region

Billion cubic metres



Natural gas: Consumption by region

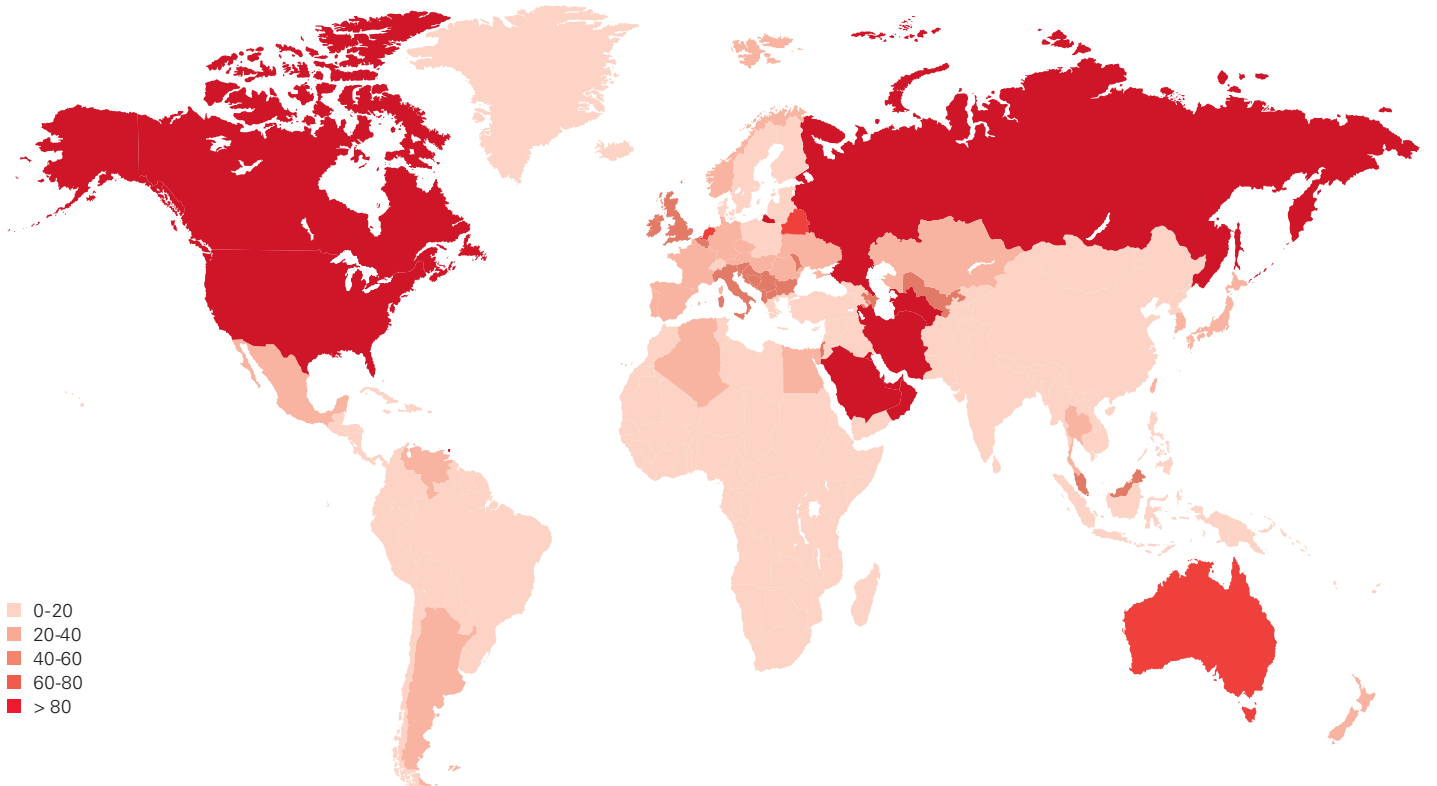
Billion cubic metres



Natural gas consumption increased by 78 billion cubic metres (bcm), or 2%, well below the strong growth seen in 2018 (5.3%). Growth was driven by the US (27 bcm) and China (24 bcm), while Russia and Japan saw the largest declines (10 and 8 bcm respectively). Gas production grew by 132 bcm (3.4%), with the US accounting for almost two-thirds of this increase (85 bcm). Australia (23 bcm) and China (16 bcm) were also key contributors to growth.

Natural gas: Consumption per capita 2019

GJ per capita



- 0-20
- 20-40
- 40-60
- 60-80
- > 80