

 Oil

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A large, stylized graphic of the letter 'C' that forms a partial circle. The interior of the 'C' is white, and the background is a satellite-style map of the world. The map uses a color gradient from green to yellow to represent different landmasses and terrain. The 'C' is positioned such that it frames the title text.

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Total proved reserves

	At end 1997 Thousand million barrels	At end 2007 Thousand million barrels	At end 2016 Thousand million barrels	At end 2017			
				Thousand million barrels	Thousand million tonnes	Share of total	R/P ratio
US	30.5	30.5	50.0	50.0	6.0	2.9%	10.5
Canada	48.8	178.8	170.6	168.9	27.2	10.0%	95.8
Mexico	47.8	12.2	7.2	7.2	1.0	0.4%	8.9
Total North America	127.1	221.5	227.7	226.1	34.2	13.3%	30.8
Argentina	2.6	2.6	2.2	2.2	0.3	0.1%	10.0
Brazil	7.1	12.6	12.6	12.8	1.9	0.8%	12.8
Colombia	2.6	1.5	2.0	1.7	0.2	0.1%	5.4
Ecuador	3.7	6.4	8.3	8.3	1.2	0.5%	42.7
Peru	0.8	1.1	1.2	1.2	0.1	0.1%	26.4
Trinidad & Tobago	0.7	0.9	0.2	0.2	†	♦	6.7
Venezuela	74.9	99.4	301.8	303.2	47.3	17.9%	393.6
Other S. & Cent. America	1.1	0.8	0.5	0.5	0.1	♦	10.5
Total S. & Cent. America	93.4	125.3	328.9	330.1	51.2	19.5%	125.9
Denmark	0.9	1.1	0.4	0.4	0.1	♦	8.7
Italy	0.6	0.5	0.5	0.6	0.1	♦	18.9
Norway	12.0	8.2	7.6	7.9	1.0	0.5%	11.0
Romania	0.9	0.5	0.6	0.6	0.1	♦	21.8
United Kingdom	5.2	3.4	2.3	2.3	0.3	0.1%	6.3
Other Europe	1.6	1.5	1.6	1.5	0.2	0.1%	16.2
Total Europe	21.3	15.1	13.1	13.4	1.7	0.8%	10.4
Azerbaijan	1.2	7.0	7.0	7.0	1.0	0.4%	24.1
Kazakhstan	5.3	30.0	30.0	30.0	3.9	1.8%	44.8
Russian Federation	113.1	106.4	106.2	106.2	14.5	6.3%	25.8
Turkmenistan	0.5	0.6	0.6	0.6	0.1	♦	6.4
Uzbekistan	0.6	0.6	0.6	0.6	0.1	♦	30.0
Other CIS	0.6	0.6	0.5	0.5	0.1	♦	15.0
Total CIS	121.4	145.3	144.9	144.9	19.7	8.5%	27.8
Iran	92.6	138.2	157.2	157.2	21.6	9.3%	86.5
Iraq	112.5	115.0	148.8	148.8	20.1	8.8%	90.2
Kuwait	96.5	101.5	101.5	101.5	14.0	6.0%	91.9
Oman	5.4	5.6	5.4	5.4	0.7	0.3%	15.2
Qatar	12.5	27.3	25.2	25.2	2.6	1.5%	36.1
Saudi Arabia	261.5	264.2	266.2	266.2	36.6	15.7%	61.0
Syria	2.3	2.5	2.5	2.5	0.3	0.1%	278.4
United Arab Emirates	97.8	97.8	97.8	97.8	13.0	5.8%	68.1
Yemen	1.8	2.7	3.0	3.0	0.4	0.2%	156.6
Other Middle East	0.2	0.1	0.1	0.1	†	♦	1.6
Total Middle East	683.2	754.9	807.7	807.7	109.3	47.6%	70.0
Algeria	11.2	12.2	12.2	12.2	1.5	0.7%	21.7
Angola	3.9	9.5	9.5	9.5	1.3	0.6%	15.6
Chad	–	1.5	1.5	1.5	0.2	0.1%	39.7
Republic of Congo	1.6	1.6	1.6	1.6	0.2	0.1%	15.1
Egypt	3.7	4.1	3.4	3.3	0.4	0.2%	13.8
Equatorial Guinea	0.6	1.7	1.1	1.1	0.1	0.1%	15.2
Gabon	2.7	2.0	2.0	2.0	0.3	0.1%	27.4
Libya	29.5	43.7	48.4	48.4	6.3	2.9%	153.3
Nigeria	20.8	37.2	37.5	37.5	5.1	2.2%	51.6
South Sudan	n/a	n/a	3.5	3.5	0.5	0.2%	88.3
Sudan	0.3	5.0	1.5	1.5	0.2	0.1%	47.8
Tunisia	0.3	0.6	0.4	0.4	0.1	♦	22.1
Other Africa	0.7	0.7	4.0	4.0	0.5	0.2%	35.6
Total Africa	75.3	119.7	126.5	126.5	16.7	7.5%	42.9
Australia	4.0	3.4	4.0	4.0	0.4	0.2%	31.6
Brunei	1.1	1.1	1.1	1.1	0.1	0.1%	26.6
China	17.0	20.8	25.7	25.7	3.5	1.5%	18.3
India	5.6	5.5	4.7	4.5	0.6	0.3%	14.4
Indonesia	4.9	4.0	3.3	3.2	0.4	0.2%	9.2
Malaysia	5.0	5.5	3.6	3.6	0.5	0.2%	14.1
Thailand	0.3	0.5	0.3	0.3	†	♦	2.1
Vietnam	1.2	3.4	4.4	4.4	0.6	0.3%	36.0
Other Asia Pacific	1.2	1.3	1.2	1.2	0.2	0.1%	12.6
Total Asia Pacific	40.3	45.3	48.3	48.0	6.4	2.8%	16.7
Total World	1162.1	1427.1	1697.1	1696.6	239.3	100.0%	50.2
of which: OECD	151.4	239.3	244.0	242.6	36.3	14.3%	27.8
Non-OECD	1010.6	1187.8	1453.1	1454.0	203.0	85.7%	57.9
OPEC	820.7	956.1	1217.4	1218.8	171.0	71.8%	84.7
Non-OPEC	341.4	471.0	479.6	477.8	68.3	28.2%	24.6
European Union	8.7	6.4	4.8	4.8	0.6	0.3%	9.0
Canadian oil sands: Total	42.0	172.6	164.4	163.4	26.6	9.6%	
of which: Under active development	3.9	22.0	23.1	22.1	3.6	1.3%	
Venezuela: Orinoco Belt	–	20.0	223.0	224.0	35.9	13.2%	

† Less than 0.05.

♦ Less than 0.05%.

n/a not available.

Notes: Total proved reserves of oil – 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 oil reserves does not necessarily meet the definitions, guidelines and practices used for determining proved reserves at 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, third-party data from the OPEC Secretariat, World Oil, Oil & Gas Journal and independent estimates of Russian reserves based on official data and Chinese reserves based on official data and information in the public domain.

Canadian oil sands 'under active development' are an official estimate. Venezuelan Orinoco Belt reserves are based on the OPEC Secretariat and government announcements.

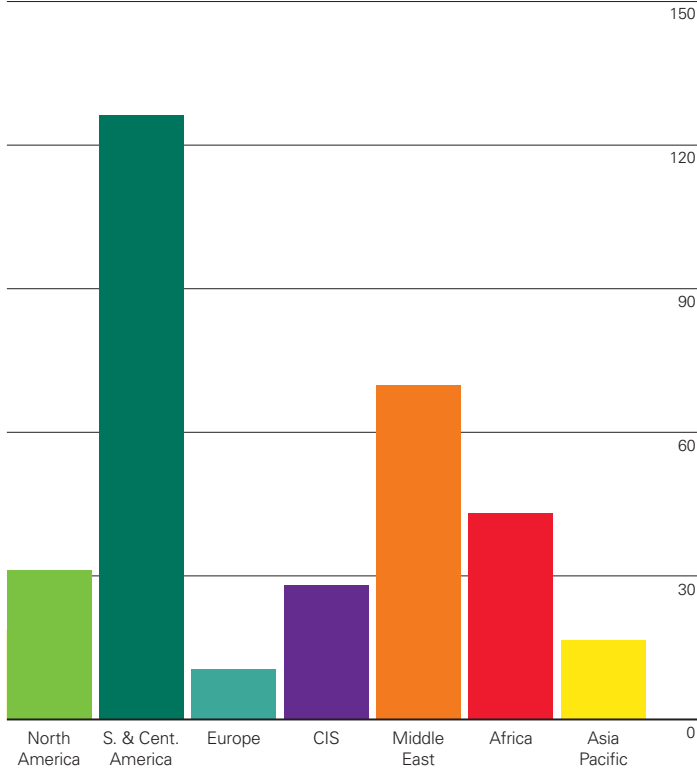
Reserves include gas condensate and natural gas liquids (NGLs) as well as crude oil.

Shares of total and R/P ratios are calculated using thousand million barrels figures.

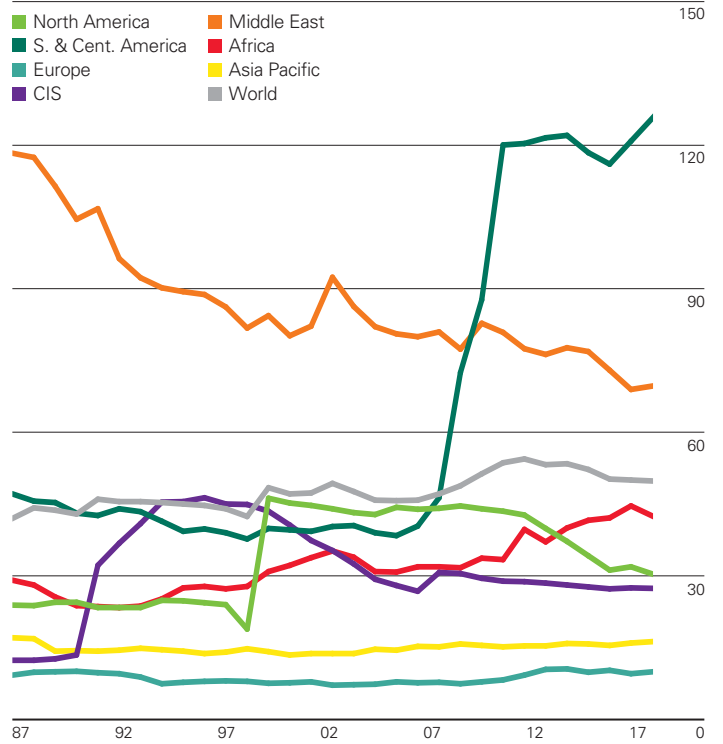
Reserves-to-production (R/P) ratios

Years

2017 by region



History



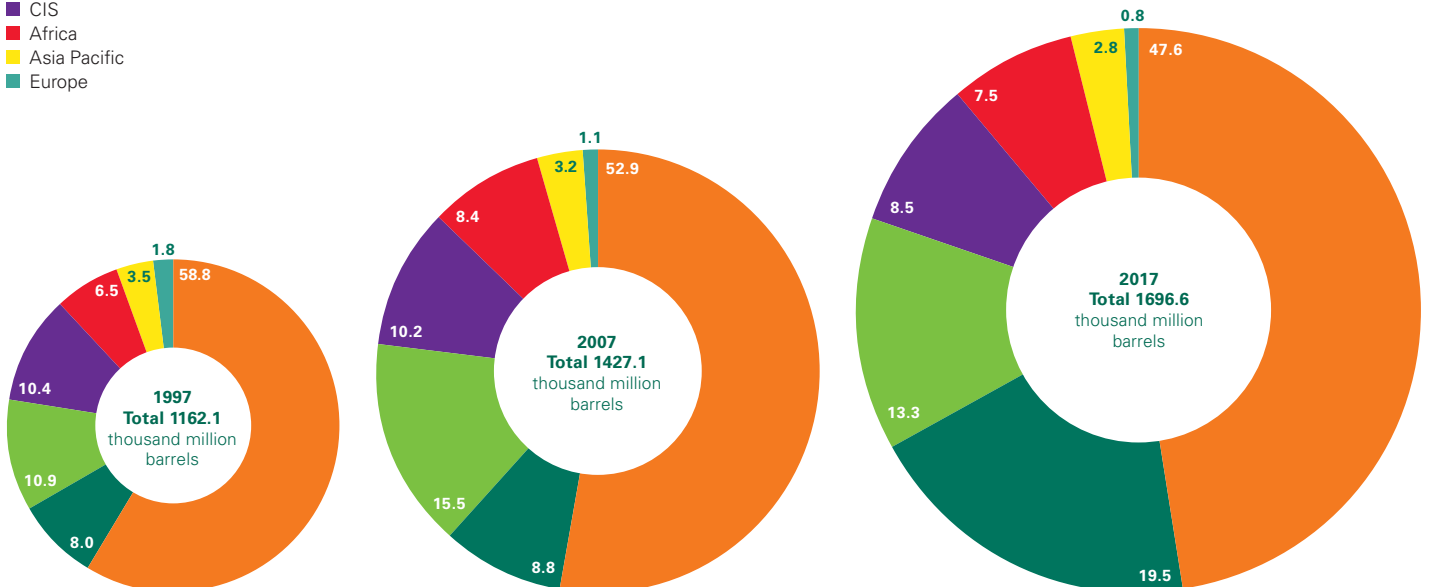
Global proved oil reserves in 2017 fell slightly by 0.5 billion barrels (-0.03%) to 1696.6 billion barrels, which would be sufficient to meet 50.2 years of global production at 2017 levels. Higher reserves in Venezuela (up by 1.4 billion barrels) were outweighed by declines in Canada (-1.6 billion barrels) and smaller declines in a number of other non-OPEC countries. OPEC countries currently hold 71.8% of global proved reserves.

Note: Lags in reporting official data mean that 2017 figures for many countries are not yet available.

Distribution of proved reserves in 1997, 2007 and 2017

Percentage

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



Oil: Production in thousands of barrels per day*

Thousand barrels daily	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Growth rate per annum		Share 2017
												2017	2006-16	
US	6860	6784	7263	7549	7859	8904	10071	11768	12750	12366	13057	5.6%	6.1%	14.1%
Canada	3290	3207	3202	3332	3515	3740	4000	4271	4389	4470	4831	8.1%	3.4%	5.2%
Mexico	3479	3165	2978	2959	2940	2911	2875	2784	2587	2456	2224	-9.4%	-4.0%	2.4%
Total North America	13628	13156	13444	13841	14314	15555	16946	18823	19726	19292	20112	4.3%	3.5%	21.7%
Argentina	816	804	731	714	668	658	647	640	649	626	593	-5.2%	-3.0%	0.6%
Brazil	1831	1897	2029	2137	2179	2145	2110	2341	2525	2608	2734	4.8%	3.7%	3.0%
Colombia	531	588	671	786	915	944	1004	990	1006	886	851	-3.9%	5.3%	0.9%
Ecuador	513	507	488	488	501	505	527	557	543	548	531	-3.1%	0.2%	0.6%
Peru	116	122	147	158	153	154	167	169	145	128	127	-0.3%	0.8%	0.1%
Trinidad & Tobago	154	152	150	145	137	117	116	114	109	97	99	2.1%	-5.9%	0.1%
Venezuela	3237	3228	3038	2842	2755	2704	2680	2692	2631	2387	2110	-11.6%	-3.3%	2.3%
Other S. & Cent. America	146	140	131	140	141	147	152	159	152	140	135	-3.0%	0.2%	0.1%
Total S. & Cent. America	7344	7439	7385	7410	7449	7373	7403	7663	7759	7418	7182	-3.2%	-0.1%	7.8%
Denmark	311	287	265	249	225	204	178	167	158	142	138	-2.4%	-8.5%	0.1%
Italy	122	108	95	106	110	112	114	120	113	78	86	10.6%	-4.2%	0.1%
Norway	2551	2466	2349	2137	2039	1917	1838	1889	1946	1995	1969	-1.3%	-3.2%	2.1%
Romania	100	99	94	90	89	83	86	84	83	79	76	-4.7%	-2.8%	0.1%
United Kingdom	1651	1549	1469	1356	1112	946	864	852	963	1013	999	-1.3%	-4.8%	1.1%
Other Europe	298	281	268	261	260	261	275	277	274	260	251	-3.6%	-1.4%	0.3%
Total Europe	5032	4790	4539	4198	3835	3523	3356	3390	3538	3566	3519	-1.3%	-3.9%	3.8%
Azerbaijan	876	916	1027	1037	932	882	888	861	851	838	795	-5.1%	2.6%	0.9%
Kazakhstan	1415	1485	1609	1676	1684	1664	1737	1710	1695	1655	1835	10.8%	1.9%	2.0%
Russian Federation	10062	9969	10157	10383	10538	10660	10809	10860	11009	11269	11257	-0.1%	1.4%	12.2%
Turkmenistan	204	222	218	212	215	225	232	241	261	253	258	1.9%	3.7%	0.3%
Uzbekistan	104	102	95	78	77	68	63	61	59	58	54	-6.1%	-6.6%	0.1%
Other CIS	135	131	126	117	111	111	105	97	91	89	90	0.8%	-4.0%	0.1%
Total CIS	12795	12825	13232	13502	13557	13609	13834	13830	13966	14162	14288	0.9%	1.4%	15.4%
Iran	4359	4421	4292	4430	4472	3820	3617	3724	3862	4602	4982	8.2%	0.7%	5.4%
Iraq	2143	2428	2446	2469	2773	3079	3103	3239	3986	4423	4520	2.2%	8.3%	4.9%
Kuwait	2660	2784	2499	2560	2913	3169	3129	3101	3065	3145	3025	-3.8%	1.4%	3.3%
Oman	710	757	813	865	885	918	942	943	981	1004	971	-3.4%	3.1%	1.0%
Qatar	1267	1438	1421	1638	1834	1939	2002	1985	1958	1970	1916	-2.7%	4.7%	2.1%
Saudi Arabia	10268	10663	9663	10075	11144	11635	11393	11505	11994	12402	11951	-3.6%	1.5%	12.9%
Syria	404	406	401	385	353	171	59	33	27	25	25	-1.6%	-24.6%	*
United Arab Emirates	3094	3113	2783	2915	3285	3430	3543	3599	3873	4020	3935	-2.1%	2.5%	4.2%
Yemen	341	316	308	307	221	178	198	153	64	43	52	21.8%	-19.7%	0.1%
Other Middle East	194	193	192	192	201	184	209	214	213	214	220	2.8%	1.6%	0.2%
Total Middle East	25440	26517	24818	25834	28082	28523	28194	28496	30023	31849	31597	-0.8%	2.1%	34.1%
Algeria	1992	1969	1775	1689	1642	1537	1485	1589	1558	1577	1540	-2.3%	-2.2%	1.7%
Angola	1656	1876	1754	1812	1670	1734	1748	1668	1772	1755	1674	-4.6%	2.3%	1.8%
Chad	144	127	118	122	114	101	91	89	111	103	103	0.5%	-3.9%	0.1%
Republic of Congo	224	237	276	314	301	281	250	264	247	250	291	16.4%	-1.1%	0.3%
Egypt	698	715	730	725	714	715	710	714	726	691	660	-4.5%	0.2%	0.7%
Equatorial Guinea	374	369	332	306	301	320	282	284	260	223	199	-10.9%	-4.8%	0.2%
Gabon	246	240	241	249	246	242	226	226	225	220	200	-9.3%	-0.9%	0.2%
Libya	1820	1820	1652	1659	479	1509	989	498	432	426	865	102.9%	-13.5%	0.9%
Nigeria	2208	2174	2212	2534	2463	2413	2280	2278	2204	1903	1988	4.5%	-2.2%	2.1%
South Sudan	n/a	n/a	n/a	n/a	n/a	31	100	155	148	117	109	-7.4%	n/a	0.1%
Sudan	483	457	475	462	291	103	118	120	109	104	86	-17.0%	-11.6%	0.1%
Tunisia	104	96	91	83	77	82	76	71	64	60	53	-11.8%	-2.3%	0.1%
Other Africa	191	184	181	149	198	196	225	234	276	258	306	18.4%	1.3%	0.3%
Total Africa	10139	10263	9838	10104	8494	9264	8580	8191	8130	7687	8072	5.0%	-2.5%	8.7%
Australia	549	538	507	548	483	479	407	436	384	359	346	-3.6%	-3.9%	0.4%
Brunei	194	175	168	172	165	159	135	126	127	121	113	-6.4%	-5.8%	0.1%
China	3742	3814	3805	4077	4074	4155	4216	4246	4309	3999	3846	-3.8%	0.8%	4.2%
India	768	803	816	882	916	906	906	887	876	856	865	1.1%	1.2%	0.9%
Indonesia	972	1006	994	1003	952	918	882	852	841	882	949	7.6%	-1.4%	1.0%
Malaysia	730	731	691	726	660	662	626	650	698	704	697	-1.0%	0.1%	0.8%
Thailand	343	360	375	389	419	457	452	450	468	475	465	-2.1%	3.8%	0.5%
Vietnam	334	309	341	323	327	358	361	373	403	374	335	-10.4%	0.5%	0.4%
Other Asia Pacific	319	341	330	315	299	287	272	307	299	280	263	-6.3%	-0.8%	0.3%
Total Asia Pacific	7951	8076	8028	8436	8296	8382	8257	8327	8405	8050	7879	-2.1%	0.2%	8.5%
Total World	82330	83067	81284	83325	84027	86229	86570	88721	91547	92023	92649	0.7%	1.1%	100.0%
of which: OECD	19136	18426	18436	18534	18566	19487	20626	22571	23571	23139	23901	3.3%	1.8%	25.8%
Non-OECD	63194	64641	62848	64792	65461	66742	65944	66149	67976	68884	68748	-0.2%	0.9%	74.2%
OPEC	35835	37029	34596	35665	36478	38034	37004	36945	38362	39601	39436	-0.4%	0.9%	42.6%
Non-OPEC	46494	46039	46688	47660	47549	48195	49565	51775	53186	52422	53213	1.5%	1.2%	57.4%
European Union	2416	2258	2119	1982	1712	1519	1425	1405	1499	1484	1464	-1.3%	-4.9%	1.6%

*Includes crude oil, shale oil, oil sands and NGLs (natural gas liquids – the liquid content of natural gas where this is recovered separately). Excludes liquid fuels from other sources such as biomass and derivatives of coal and natural gas.

*Less than 0.05%.

n/a not available.

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

Oil: Consumption in thousands of barrels per day*

Thousand barrels daily	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Growth rate per annum		Share 2017
												2017	2006-16	
US	20680	19490	18771	19180	18882	18490	18961	19106	19531	19687	19880	1.0%	-0.5%	20.2%
Canada	2342	2297	2174	2306	2381	2342	2383	2399	2348	2401	2428	1.2%	0.5%	2.5%
Mexico	2089	2080	2021	2040	2065	2083	2034	1960	1939	1977	1910	-3.4%	-0.2%	1.9%
Total North America	25111	23868	22967	23526	23329	22915	23379	23465	23818	24065	24219	0.6%	-0.4%	24.7%
Argentina	528	540	532	594	609	636	683	673	696	687	670	-2.4%	3.8%	0.7%
Brazil	2308	2481	2498	2716	2839	2915	3124	3242	3181	3013	3017	0.1%	3.4%	3.1%
Chile	377	390	383	343	371	376	362	353	355	376	383	1.8%	2.5%	0.4%
Colombia	234	251	232	258	277	297	298	316	330	339	344	1.5%	3.7%	0.4%
Ecuador	183	188	191	220	226	233	247	260	254	240	237	-1.1%	2.9%	0.2%
Peru	153	172	178	189	208	213	227	225	239	254	259	2.0%	5.6%	0.3%
Trinidad & Tobago	43	45	44	45	42	40	45	42	46	45	44	-1.7%	1.7%	♦
Venezuela	640	716	726	725	737	792	782	720	637	539	505	-6.4%	-2.1%	0.5%
Other S. & Cent. America	1276	1248	1223	1244	1262	1241	1218	1227	1283	1319	1336	1.3%	0.4%	1.4%
Total S. & Cent. America	5742	6032	6006	6334	6570	6742	6987	7058	7021	6811	6794	-0.2%	2.2%	6.9%
Austria	276	274	264	276	262	259	264	260	262	266	268	1.0%	-0.9%	0.3%
Belgium	700	731	654	678	637	622	636	635	666	670	661	-1.4%	-0.2%	0.7%
Czech Republic	205	209	204	195	193	192	184	195	189	175	204	16.4%	-1.6%	0.2%
Finland	226	223	212	222	204	193	191	183	203	211	203	-3.6%	-0.6%	0.2%
France	1911	1889	1822	1763	1730	1676	1664	1616	1615	1600	1615	1.0%	-1.9%	1.6%
Germany	2380	2502	2409	2445	2369	2356	2408	2348	2340	2378	2447	2.9%	-0.9%	2.5%
Greece	435	414	398	369	348	312	295	294	306	312	314	0.7%	-3.2%	0.3%
Hungary	168	164	154	146	139	129	129	144	153	154	167	8.3%	-0.9%	0.2%
Italy	1740	1661	1563	1532	1475	1346	1260	1184	1222	1228	1247	1.6%	-3.7%	1.3%
Netherlands	1031	977	945	964	971	926	898	866	835	851	848	-0.4%	-1.4%	0.9%
Norway	237	228	237	235	239	235	243	232	237	221	223	0.9%	-0.3%	0.2%
Poland	548	567	567	594	592	571	538	539	559	606	659	8.7%	1.4%	0.7%
Portugal	307	291	273	271	255	230	239	238	244	245	256	4.6%	-2.1%	0.3%
Romania	218	216	195	184	191	191	174	187	191	202	203	0.6%	-0.6%	0.2%
Spain	1613	1558	1473	1446	1378	1291	1195	1191	1237	1280	1293	1.1%	-2.2%	1.3%
Sweden	363	356	329	331	313	311	309	311	300	319	320	0.3%	-1.3%	0.3%
Switzerland	241	256	260	242	235	238	249	224	228	216	222	3.2%	-2.1%	0.2%
Turkey	695	686	709	694	673	704	757	777	915	972	1007	3.5%	3.6%	1.0%
United Kingdom	1752	1720	1646	1623	1590	1533	1518	1518	1561	1592	1598	0.3%	-1.3%	1.6%
Other Europe	1306	1306	1224	1208	1181	1127	1111	1107	1151	1197	1224	2.3%	-0.6%	1.2%
Total Europe	16356	16227	15537	15418	14975	14443	14263	14049	14413	14696	14980	1.9%	-1.2%	15.3%
Azerbaijan	91	74	73	72	89	92	101	99	100	98	92	-5.8%	0.2%	0.1%
Belarus	162	159	182	150	175	211	145	165	139	136	135	-0.7%	-2.6%	0.1%
Kazakhstan	241	240	198	211	243	245	260	262	284	302	311	2.9%	3.2%	0.3%
Russian Federation	2780	2861	2775	2878	3074	3119	3135	3301	3162	3193	3224	1.0%	1.5%	3.3%
Turkmenistan	111	114	106	118	125	129	137	143	145	152	155	2.3%	3.7%	0.2%
Ukraine	308	299	282	267	278	267	257	221	194	204	206	1.1%	-4.1%	0.2%
Uzbekistan	94	93	89	76	71	63	60	57	57	70	71	1.8%	-3.8%	0.1%
Other CIS	56	60	63	63	65	79	80	76	81	89	88	-1.4%	6.5%	0.1%
Total CIS	3844	3900	3768	3834	4118	4206	4176	4323	4162	4243	4282	0.9%	1.1%	4.4%
Iran	1838	1925	1919	1791	1826	1849	2011	1953	1766	1722	1816	5.4%	-0.4%	1.8%
Iraq	490	481	536	570	629	666	716	681	687	758	791	4.4%	4.1%	0.8%
Israel	262	254	232	241	254	295	247	212	225	228	247	8.4%	-0.8%	0.3%
Kuwait	383	406	455	470	445	491	508	446	456	453	449	-0.8%	1.8%	0.5%
Oman	90	123	119	135	146	157	178	185	186	191	189	-1.3%	7.6%	0.2%
Qatar	148	177	173	191	246	257	287	293	316	343	354	3.1%	9.6%	0.4%
Saudi Arabia	2407	2622	2914	3206	3294	3461	3451	3753	3875	3939	3918	-0.5%	5.6%	4.0%
United Arab Emirates	576	603	603	654	733	772	849	878	949	1003	1007	0.4%	6.4%	1.0%
Other Middle East	777	795	774	716	698	648	622	632	569	523	520	-0.7%	-3.5%	0.5%
Total Middle East	6970	7385	7724	7973	8271	8595	8870	9032	9029	9161	9290	1.4%	3.1%	9.5%
Algeria	286	309	327	327	349	370	387	401	423	411	411	-0.1%	4.8%	0.4%
Egypt	642	686	725	766	720	747	756	806	833	854	816	-4.5%	3.6%	0.8%
Morocco	211	231	234	258	275	277	280	269	268	275	282	2.8%	3.2%	0.3%
South Africa	539	511	507	541	544	556	572	569	592	577	580	0.6%	0.9%	0.6%
Other Africa	1362	1465	1533	1590	1499	1619	1729	1741	1762	1833	1958	6.8%	3.2%	2.0%
Total Africa	3040	3201	3325	3482	3388	3569	3724	3785	3877	3950	4047	2.5%	3.1%	4.1%
Australia	935	944	950	957	1001	1025	1034	1046	1030	1041	1079	3.6%	1.1%	1.1%
Bangladesh	76	77	72	80	104	110	107	116	125	131	146	11.6%	5.0%	0.1%
China	7808	7941	8278	9436	9796	10230	10734	11209	11986	12302	12799	4.0%	5.2%	13.0%
China Hong Kong SAR	322	292	332	359	361	344	352	336	368	380	427	12.4%	2.3%	0.4%
India	2941	3077	3237	3319	3488	3685	3727	3849	4164	4560	4690	2.9%	5.2%	4.8%
Indonesia	1318	1287	1317	1411	1589	1640	1663	1681	1564	1580	1652	4.5%	2.4%	1.7%
Japan	5013	4847	4390	4442	4442	4702	4516	4303	4151	4031	3988	-1.1%	-2.5%	4.1%
Malaysia	701	672	679	689	725	759	803	801	789	799	803	0.5%	1.9%	0.8%
New Zealand	154	154	148	150	150	148	151	154	160	163	175	7.3%	0.7%	0.2%
Pakistan	384	389	415	411	414	402	442	458	505	566	589	4.0%	4.8%	0.6%
Philippines	295	283	300	313	298	309	326	347	397	430	455	5.9%	4.3%	0.5%
Singapore	921	973	1049	1157	1208	1202	1225	1268	1338	1381	1430	3.5%	5.0%	1.5%
South Korea	2399	2308	2339	2370	2394	2458	2455	2454	2577	2771	2796	0.9%	1.8%	2.8%
Sri Lanka	91	83	87	87	92	95	81	89	97	101	107	5.9%	1.6%	0.1%
Taiwan	1110	1005	1020	1045	983	983	1010	1040	1037	1043	1051	0.8%	-0.1%	1.1%
Thailand	1030	1018	1076	1122	1185	1250	1299	1310	1354	1377	1423	3.4%	3.3%	1.4%
Vietnam	283	300	305	332	361	368	398	410	437	461	486	5.3%	6.1%	0.5%
Other Asia Pacific	259	250	267	285	320	327	365	405	442	446	479	7.3%	6.6%	0.5%
Total Asia Pacific	26041	25901	26260	27967	28911	30038								

Oil: Production in million tonnes*

Million tonnes	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Growth rate per annum		Share 2017
												2017	2006-16	
US	305.1	302.3	322.4	332.7	344.8	393.8	447.0	522.5	565.3	543.1	571.0	5.4%	6.0%	13.0%
Canada	155.3	152.9	152.8	160.3	169.8	182.6	195.1	209.4	215.6	218.6	236.3	8.4%	3.8%	5.4%
Mexico	172.2	156.9	146.7	145.6	144.5	143.9	141.8	137.1	127.5	121.4	109.5	-9.5%	-4.0%	2.5%
Total North America	632.6	612.0	621.9	638.6	659.1	720.3	783.9	869.0	908.4	883.0	916.8	4.1%	3.3%	20.9%
Argentina	38.3	37.9	34.1	33.3	31.2	30.9	30.3	29.8	30.1	29.0	27.4	-5.6%	-3.0%	0.6%
Brazil	95.4	99.1	106.0	111.6	114.0	112.4	110.2	122.5	132.2	136.7	142.7	4.7%	3.8%	3.3%
Colombia	28.0	31.1	35.3	41.4	48.2	49.9	52.9	52.2	53.0	46.8	44.8	-3.9%	5.3%	1.0%
Ecuador	27.5	27.2	26.1	26.1	26.8	27.1	28.2	29.8	29.1	29.5	28.5	-3.1%	0.2%	0.6%
Peru	5.5	5.7	6.5	7.0	6.7	6.7	7.1	7.3	6.2	5.3	5.4	0.6%	-0.3%	0.1%
Trinidad & Tobago	7.1	7.0	6.8	6.2	5.9	5.2	5.1	5.0	4.8	4.3	4.4	1.5%	-6.3%	0.1%
Venezuela	165.7	165.8	155.9	145.8	141.5	139.3	137.8	138.5	135.4	123.1	108.3	-11.8%	-3.2%	2.5%
Other S. & Cent. America	7.3	7.1	6.6	7.0	7.1	7.4	7.6	8.0	7.6	7.0	6.8	-3.0%	0.1%	0.2%
Total S. & Cent. America	374.7	380.9	377.3	378.5	381.5	378.9	379.2	393.1	398.4	381.9	368.3	-3.3%	*	8.4%
Denmark	15.2	14.0	12.9	12.2	10.9	10.0	8.7	8.1	7.7	6.9	6.7	-2.4%	-8.5%	0.2%
Italy	5.9	5.2	4.6	5.1	5.3	5.4	5.5	5.8	5.5	3.8	4.1	10.6%	-4.2%	0.1%
Norway	118.6	114.8	108.7	98.9	93.7	87.3	83.2	85.3	87.9	90.4	88.8	-1.5%	-3.5%	2.0%
Romania	4.7	4.7	4.5	4.3	4.2	4.0	4.1	4.1	4.0	3.8	3.6	-4.5%	-2.7%	0.1%
United Kingdom	76.9	72.0	68.3	63.2	52.1	44.7	40.7	40.0	45.4	47.5	46.6	-1.8%	-4.7%	1.1%
Other Europe	14.9	14.1	13.4	13.1	13.1	13.2	13.9	14.0	13.8	13.2	12.7	-3.6%	-1.2%	0.3%
Total Europe	236.1	224.8	212.4	196.7	179.4	164.5	156.1	157.3	164.3	165.6	162.6	-1.6%	-4.0%	3.7%
Azerbaijan	43.4	45.3	50.9	51.3	46.1	43.7	43.8	42.5	42.0	41.4	39.2	-5.2%	2.5%	0.9%
Kazakhstan	67.2	70.7	76.5	79.7	80.1	79.3	82.3	81.1	80.2	78.6	86.9	10.8%	1.9%	2.0%
Russian Federation	497.5	494.4	501.5	512.5	519.6	526.9	532.3	535.1	541.9	555.9	554.4	*	1.3%	12.6%
Turkmenistan	10.1	11.0	10.7	10.4	10.6	11.0	11.3	11.7	12.7	12.3	12.4	1.5%	3.6%	0.3%
Uzbekistan	4.9	4.8	4.5	3.6	3.6	3.2	2.9	2.8	2.7	2.6	2.5	-6.1%	-6.9%	0.1%
Other CIS	6.4	6.3	6.0	5.6	5.3	5.3	5.0	4.6	4.4	4.3	4.3	0.1%	-4.1%	0.1%
Total CIS	629.5	632.5	650.0	663.1	665.2	669.4	677.6	677.9	683.9	695.1	699.6	0.9%	1.4%	15.9%
Iran	213.3	215.6	207.4	212.3	213.0	180.7	169.9	174.3	180.5	216.8	234.2	8.3%	0.3%	5.3%
Iraq	105.1	119.3	119.7	120.8	135.8	151.3	152.0	158.8	195.6	217.6	221.5	2.1%	8.3%	5.0%
Kuwait	129.9	136.1	120.9	123.3	140.8	153.9	151.3	150.1	148.1	152.6	146.0	-4.1%	1.3%	3.3%
Oman	34.8	37.1	39.7	42.2	43.2	45.0	46.1	46.2	48.0	49.3	47.6	-3.3%	3.1%	1.1%
Qatar	57.6	64.7	62.6	71.1	78.0	82.5	84.5	83.8	82.1	82.5	79.9	-2.9%	3.8%	1.8%
Saudi Arabia	488.9	509.9	456.7	473.8	525.9	549.8	538.4	543.4	567.9	586.6	561.7	-4.0%	1.4%	12.8%
Syria	19.5	19.6	19.3	18.5	16.9	8.1	2.7	1.5	1.2	1.1	1.1	-1.8%	-25.3%	*
United Arab Emirates	143.6	145.2	128.8	134.2	149.8	156.5	161.8	163.2	175.0	181.6	176.3	-2.6%	2.2%	4.0%
Yemen	16.0	14.8	14.4	14.3	10.2	8.2	9.0	6.9	2.6	1.6	2.1	27.0%	-21.4%	*
Other Middle East	9.5	9.5	9.4	9.4	9.9	9.0	10.3	10.5	10.5	10.6	10.9	2.9%	1.7%	0.2%
Total Middle East	1218.2	1271.7	1179.0	1220.0	1323.6	1345.1	1326.0	1338.8	1411.5	1500.3	1481.1	-1.0%	1.9%	33.8%
Algeria	86.5	85.6	77.2	73.8	71.7	67.2	64.8	68.8	67.2	68.4	66.6	-2.3%	-2.3%	1.5%
Angola	81.2	92.3	86.0	88.9	82.0	85.3	85.7	81.6	87.0	86.3	81.8	-4.9%	2.3%	1.9%
Chad	7.5	6.7	6.2	6.4	6.0	5.3	4.8	4.7	5.8	5.4	5.4	0.5%	-3.9%	0.1%
Republic of Congo	11.5	12.2	14.1	16.0	15.3	14.3	12.6	13.3	12.4	12.6	14.7	17.0%	-1.2%	0.3%
Egypt	33.8	34.7	35.3	35.0	34.6	34.7	34.4	35.1	35.4	33.8	32.2	-4.6%	0.2%	0.7%
Equatorial Guinea	18.1	18.0	16.0	14.8	14.5	15.5	13.6	13.7	12.5	10.7	9.5	-11.2%	-4.9%	0.2%
Gabon	12.3	12.0	12.0	12.4	12.3	12.1	11.3	11.3	11.2	11.0	10.0	-9.3%	-0.9%	0.2%
Libya	85.4	85.6	77.4	77.9	22.5	71.2	46.6	23.4	20.3	20.1	40.8	103.7%	-13.5%	0.9%
Nigeria	107.2	105.8	106.9	122.1	118.5	116.5	109.5	109.4	105.8	91.4	95.3	4.5%	-2.3%	2.2%
South Sudan	n/a	n/a	n/a	n/a	n/a	1.5	4.9	7.7	7.3	5.8	5.3	-7.4%	n/a	0.1%
Sudan	23.8	22.6	23.4	22.8	14.3	5.1	5.8	5.9	5.4	5.1	4.2	-17.0%	-11.6%	0.1%
Tunisia	4.9	4.5	4.2	3.9	3.6	3.8	3.5	3.3	2.9	2.8	2.4	-12.1%	-2.4%	0.1%
Other Africa	9.6	9.2	9.1	7.4	9.8	9.8	11.2	11.6	13.7	12.8	15.1	17.7%	1.2%	0.3%
Total Africa	481.7	489.1	468.0	481.5	405.1	442.3	408.5	389.7	387.0	366.2	383.3	5.0%	-2.5%	8.7%
Australia	24.5	24.1	22.4	24.5	21.5	21.4	17.8	19.1	17.0	15.5	14.8	-4.2%	-4.1%	0.3%
Brunei	9.5	8.6	8.2	8.4	8.1	7.8	6.6	6.1	6.2	5.9	5.5	-6.7%	-5.9%	0.1%
China	186.3	190.4	189.5	203.0	202.9	207.5	210.0	211.4	214.6	199.7	191.5	-3.8%	0.8%	4.4%
India	36.4	37.8	38.0	41.3	42.9	42.5	42.5	41.6	41.2	40.2	40.4	0.8%	1.1%	0.9%
Indonesia	47.8	49.4	48.4	48.6	46.3	44.6	42.7	41.2	40.7	43.0	46.4	8.1%	-1.5%	1.1%
Malaysia	33.5	33.7	31.9	32.9	29.7	30.1	28.7	29.8	32.3	32.6	32.2	-1.1%	0.1%	0.7%
Thailand	13.2	14.0	14.5	14.9	15.4	16.6	16.5	16.2	17.0	17.5	16.8	-3.9%	3.4%	0.4%
Vietnam	16.3	15.2	16.7	15.6	15.8	17.4	17.4	18.0	19.5	18.0	16.1	-10.4%	0.5%	0.4%
Other Asia Pacific	13.9	14.9	14.4	13.8	13.0	12.6	12.0	13.6	13.3	12.5	11.8	-5.4%	-0.5%	0.3%
Total Asia Pacific	381.4	388.1	384.0	403.0	395.5	400.4	394.0	397.3	401.7	385.0	375.5	-2.2%	0.1%	8.6%
Total World	3954.2	3999.0	3892.6	3981.4	4009.5	4120.8	4125.3	4223.0	4355.2	4377.1	4387.1	0.5%	1.0%	100.0%
of which: OECD	889.4	857.9	853.8	856.8	856.6	902.4	953.4	1041.3	1085.6	1060.1	1090.3	3.1%	1.6%	24.9%
Non-OECD	3064.9	3141.1	3038.8	3124.6	3152.9	3218.4	3171.9	3181.8	3269.6	3317.0	3296.8	-0.3%	0.8%	75.1%
OPEC	1722.2	1783.0	1653.9	1697.4	1733.2	1809.0	1755.3	1750.1	1817.7	1878.1	1860.3	-0.7%	0.8%	42.4%
Non-OPEC	2232.0	2216.0	2238.7	2284.0	2276.3	2311.8	2369.9	2472.9	2537.5	2498.9	2526.9	1.4%	1.2%	57.6%
European Union	114.1	106.6	100.0	93.6	81.3	72.7	68.1	67.0	71.5	70.6	69.2	-1.6%	-4.8%	1.6%

*Includes crude oil, shale oil, oil sands and NGLs (natural gas liquids – the liquid content of natural gas where this is recovered separately). Excludes liquid fuels from other sources such as biomass and derivatives of coal and natural gas.

*Less than 0.05%.

n/a not available.

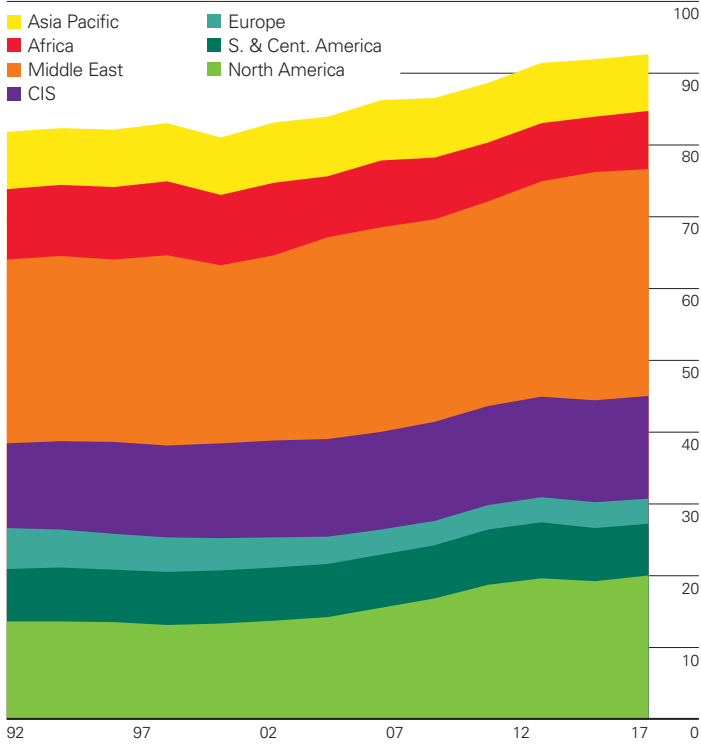
Notes: Annual changes and shares of total are calculated using million tonnes figures. Growth rates are adjusted for leap years.

Oil: Consumption in million tonnes oil equivalent*

Million tonnes oil equivalent	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Growth rate per annum		Share 2017
												2017	2006-16	
US	967.6	912.8	871.2	889.8	874.7	856.4	872.8	879.4	898.3	907.6	913.3	0.9%	-0.7%	19.8%
Canada	106.0	104.8	98.6	105.3	108.5	106.4	107.7	108.2	105.0	107.0	108.6	1.8%	0.4%	2.3%
Mexico	96.4	96.2	92.9	93.3	94.9	96.4	93.8	89.5	88.5	90.1	86.8	-3.4%	-0.3%	1.9%
Total North America	1170.1	1113.7	1062.7	1088.4	1078.1	1059.2	1074.3	1077.1	1091.7	1104.6	1108.6	0.6%	-0.5%	24.0%
Argentina	24.8	25.5	25.0	28.7	29.0	30.3	32.6	32.2	33.2	32.7	31.6	-3.0%	3.9%	0.7%
Brazil	105.3	112.6	112.9	122.9	128.7	133.0	141.7	147.5	143.1	135.7	135.6	0.2%	3.2%	2.9%
Chile	18.5	19.2	18.7	16.6	18.1	18.1	17.5	17.0	17.1	18.1	18.3	1.6%	2.3%	0.4%
Colombia	11.2	12.1	11.1	12.4	13.3	14.4	14.5	15.4	16.0	16.5	16.7	1.4%	3.9%	0.4%
Ecuador	8.8	9.1	9.2	10.7	10.9	11.3	12.0	12.7	12.3	11.5	11.3	-2.0%	2.9%	0.2%
Peru	7.4	8.3	8.5	9.0	9.9	10.0	10.6	10.5	11.1	11.8	12.1	2.2%	5.3%	0.3%
Trinidad & Tobago	2.2	2.3	2.2	2.3	2.1	2.1	2.3	2.1	2.3	2.2	2.2	-1.4%	1.7%	♦
Venezuela	30.8	34.8	35.3	35.2	35.7	38.4	38.0	34.8	30.7	26.0	24.2	-6.7%	-2.2%	0.5%
Other S. & Cent. America	65.0	63.6	61.9	62.8	63.9	63.0	61.3	61.6	64.3	66.1	66.8	1.2%	0.2%	1.4%
Total S. & Cent. America	273.9	287.6	284.9	300.5	311.7	320.7	330.4	333.8	330.3	320.8	318.8	-0.4%	2.0%	6.9%
Austria	13.9	13.8	13.3	13.8	13.1	12.9	13.1	12.9	13.0	13.3	13.4	1.2%	-1.0%	0.3%
Belgium	35.3	36.8	32.4	33.6	31.4	30.5	31.1	30.7	32.0	32.5	32.2	-0.6%	-0.6%	0.7%
Czech Republic	10.0	10.2	10.0	9.5	9.3	9.3	8.9	9.4	9.2	8.6	9.8	14.6%	-1.6%	0.2%
Finland	11.1	11.0	10.3	10.8	10.0	9.4	9.3	8.9	9.6	10.0	9.7	-3.2%	-0.9%	0.2%
France	94.5	93.8	90.3	87.3	85.7	83.1	82.1	79.8	79.7	79.2	79.7	1.0%	-1.9%	1.7%
Germany	117.2	123.7	118.7	120.3	116.6	116.2	118.3	115.3	115.0	117.3	119.8	2.5%	-0.9%	2.6%
Greece	21.7	20.8	19.9	18.4	17.3	15.5	14.6	14.5	15.0	15.4	15.5	0.9%	-3.4%	0.3%
Hungary	8.1	7.8	7.4	7.0	6.6	6.2	6.1	6.8	7.2	7.3	7.9	8.3%	-0.9%	0.2%
Italy	86.2	82.5	77.2	75.3	72.6	66.2	61.3	57.6	59.5	59.8	60.6	1.5%	-3.9%	1.3%
Netherlands	50.4	47.9	46.1	46.7	47.4	45.1	42.8	40.9	39.9	41.1	40.8	-0.5%	-1.7%	0.9%
Norway	11.0	10.6	11.0	11.0	10.9	10.9	11.1	10.5	10.6	10.1	10.1	0.6%	-0.7%	0.2%
Poland	26.1	27.2	27.1	28.6	28.5	27.6	25.7	25.7	26.8	29.2	31.6	8.7%	1.5%	0.7%
Portugal	15.1	14.4	13.4	13.3	12.4	11.3	11.6	11.5	11.8	12.0	12.5	5.1%	-2.1%	0.3%
Romania	10.5	10.5	9.5	9.0	9.3	9.4	8.6	9.1	9.3	9.9	10.0	1.2%	-0.6%	0.2%
Spain	81.1	78.6	74.2	72.8	69.5	65.4	60.2	60.1	62.1	64.2	64.8	1.2%	-2.2%	1.4%
Sweden	17.7	17.5	16.3	16.4	15.4	15.3	15.0	15.1	14.6	15.5	15.6	0.8%	-1.5%	0.3%
Switzerland	11.8	12.6	12.8	11.9	11.5	11.7	12.3	11.0	11.2	10.6	10.9	3.2%	-2.1%	0.2%
Turkey	33.5	33.1	33.6	32.8	32.1	33.8	36.5	37.4	44.2	47.1	48.8	3.8%	3.7%	1.1%
United Kingdom	84.0	82.6	78.8	77.9	76.5	74.2	73.1	73.0	74.7	76.3	76.3	0.3%	-1.3%	1.7%
Other Europe	65.5	65.6	61.3	60.6	59.2	56.7	55.5	55.3	57.6	60.0	61.2	2.2%	-0.6%	1.3%
Total Europe	804.8	801.0	763.4	756.8	735.5	710.5	697.1	685.6	703.2	719.3	731.2	1.9%	-1.3%	15.8%
Azerbaijan	4.6	3.7	3.5	3.4	4.2	4.4	4.8	4.7	4.7	4.7	4.4	-6.0%	-0.4%	0.1%
Belarus	8.1	8.0	9.3	7.6	8.7	10.4	7.3	8.2	7.0	6.8	6.7	-0.8%	-2.5%	0.1%
Kazakhstan	11.9	11.9	9.6	10.2	11.9	12.0	12.6	12.6	13.5	14.3	14.6	2.5%	2.7%	0.3%
Russian Federation	134.0	138.1	132.5	137.9	147.0	149.6	149.5	157.5	149.9	152.5	153.0	0.6%	1.3%	3.3%
Turkmenistan	5.3	5.4	5.2	5.7	6.0	6.2	6.4	6.7	6.8	7.1	7.3	2.4%	3.6%	0.2%
Ukraine	15.0	14.7	14.0	13.1	13.6	13.1	12.4	10.7	9.4	9.9	10.0	1.1%	-4.0%	0.2%
Uzbekistan	4.8	4.7	4.4	3.7	3.5	3.1	3.0	2.8	2.8	3.3	3.3	0.7%	-4.6%	0.1%
Other CIS	2.7	2.9	3.1	3.1	3.2	3.8	3.8	3.6	3.8	4.2	4.1	-1.6%	6.2%	0.1%
Total CIS	186.4	189.4	181.6	184.8	198.1	202.6	199.8	206.8	198.0	202.8	203.4	0.6%	0.9%	4.4%
Iran	90.6	94.7	93.9	85.7	87.3	88.8	96.9	93.6	83.7	80.7	84.6	5.1%	-0.9%	1.8%
Iraq	23.2	23.0	26.1	27.8	30.5	32.6	34.9	33.1	33.4	36.8	38.5	4.7%	4.3%	0.8%
Israel	12.7	12.3	11.1	11.5	12.2	14.3	11.7	10.0	10.6	10.8	11.7	8.1%	-1.0%	0.3%
Kuwait	18.1	19.4	20.9	21.5	19.9	22.3	23.2	19.9	20.6	20.4	20.0	-1.7%	1.3%	0.4%
Oman	4.5	6.0	5.8	6.6	6.9	7.5	8.7	8.9	9.1	9.4	9.3	-1.4%	7.4%	0.2%
Qatar	5.7	6.8	6.5	7.0	8.8	9.0	10.2	10.7	11.6	12.8	13.3	4.3%	9.8%	0.3%
Saudi Arabia	108.2	118.6	130.2	141.3	144.4	151.9	152.2	166.8	173.2	173.8	172.4	-0.6%	5.5%	3.7%
United Arab Emirates	29.3	30.8	30.0	32.1	34.8	36.3	40.1	40.7	43.5	45.7	45.0	-1.2%	5.2%	1.0%
Other Middle East	38.5	39.5	38.2	35.3	34.4	31.9	30.4	30.9	27.8	25.5	25.2	-0.7%	-3.6%	0.5%
Total Middle East	330.7	351.0	362.7	368.7	379.2	394.6	408.3	414.5	413.5	416.0	420.0	1.2%	2.7%	9.1%
Algeria	13.4	14.6	15.5	15.5	16.5	17.6	18.4	19.1	20.2	19.7	19.5	-0.5%	5.1%	0.4%
Egypt	31.4	33.6	35.4	37.4	34.8	36.5	36.9	39.5	41.0	42.0	39.7	-5.2%	3.6%	0.9%
Morocco	10.0	11.0	11.1	12.3	13.2	13.3	13.3	12.6	12.5	12.8	13.1	2.6%	3.0%	0.3%
South Africa	26.7	25.3	25.0	26.7	26.8	27.6	28.4	28.2	29.4	28.7	28.8	0.6%	0.9%	0.6%
Other Africa	67.1	72.2	75.3	78.1	73.3	79.4	84.6	85.0	85.9	89.4	95.2	6.7%	3.1%	2.1%
Total Africa	148.6	156.7	162.3	170.0	164.7	174.3	181.5	184.4	188.9	192.6	196.3	2.2%	3.0%	4.2%
Australia	44.5	45.2	45.4	45.7	48.2	49.6	49.9	50.5	49.9	50.5	52.4	4.0%	1.2%	1.1%
Bangladesh	3.8	3.9	3.6	4.0	5.2	5.6	5.4	5.9	6.4	6.7	7.5	11.5%	5.2%	0.2%
China	377.7	385.5	400.0	455.2	472.1	494.9	516.8	538.1	573.5	587.2	608.4	3.9%	5.0%	13.2%
China Hong Kong SAR	16.4	14.9	16.9	18.3	18.4	17.6	18.0	17.1	18.7	19.4	21.9	13.2%	2.4%	0.5%
India	140.9	147.8	155.4	159.0	166.8	176.7	177.9	183.0	197.8	217.1	222.1	2.6%	5.2%	4.8%
Indonesia	64.2	62.6	63.3	67.4	76.0	78.2	78.9	79.4	73.5	74.2	77.3	4.4%	2.0%	1.7%
Japan	239.3	232.4	208.2	210.5	211.0	224.9	214.7	204.0	196.5	191.4	188.3	-1.4%	-2.5%	4.1%
Malaysia	32.3	31.0	30.8	30.9	33.1	34.6	36.8	36.8	36.2	36.7	36.9	0.6%	2.0%	0.8%
New Zealand	7.4	7.5	7.2	7.3	7.3	7.2	7.3	7.5	7.8	7.9	8.5	7.5%	0.7%	0.2%
Pakistan	19.5	19.8	21.2	21.0	21.1	20.5	22.4	23.2	25.3	28.3	29.2	3.5%	4.6%	0.6%
Philippines	14.4	13.8	14.5	15.2	14.4	15.0	15.8	16.7	19.1	20.6	21.7	5.5%	4.1%	0.5%
Singapore	48.6	51.7	55.8	61.3	64.0	63.8	64.6	66.3	70.0	72.7	75.3	3.8%	5.0%	1.6%
South Korea	112.6	108.0	108.8	110.2	111.1	114.4	113.9	113.7	119.7	128.9	129.3	0.6%	1.7%	2.8%
Sri Lanka	4.5	4.1	4.3	4.3	4.6	4.7	4.0	4.4	4.7	5.0	5.3	6.1%	1.7%	0.1%
Taiwan	52.8	47.6	47.9	49.1	46.3	46.3	47.1	48.5	48.3	48.6	49.2	1.5%	-0.4%	1.1%
Thailand	47.7	46.6	48.8	50.4	52.6	55.4	57.6	58.0	60.4	62.1	63.9	3.2%	3.0%	1.4%
Vietnam	13.8	14.6	14.8	16.0	17.4	17.6	19.0	19.5	20.8	21.9	23.0	5.2%	5.9%	0.5%
Other Asia Pacific	12.9	12.5	13.2	14.0	15.6	16.0	17.8	19.8	21.6	21.8	23.3	7.1%	6.4%	0.5%
Total Asia Pacific	1253.3	1249.3	1260.0	1339.8	1385.1	1442.9	1467.9	1492.5	1550.1	1601.1	1643.4	2.9%	2.8%	35.6%
Total World	4167.8	4148.8	4077.6	4208.9	4252.4	4304.9	4359.3	4394.7	4475.8	4557.3	4621.9	1.7%	1.1%	100.0%
of which: OECD	2366.8	2296.1	2184.7	2207.4	2181.9	2160.0	2150.0	2128.2	2157.8	2190.6	2206.8	1.0%	-0.8%	47.7%
Non-OECD	1801.0	1852.7	1892.9	2001.5	2070.5	2144.9	2209.2	2266.4	2318.0	2366.7	2415.1	2.3%	3.2%	52.3%
European Union														

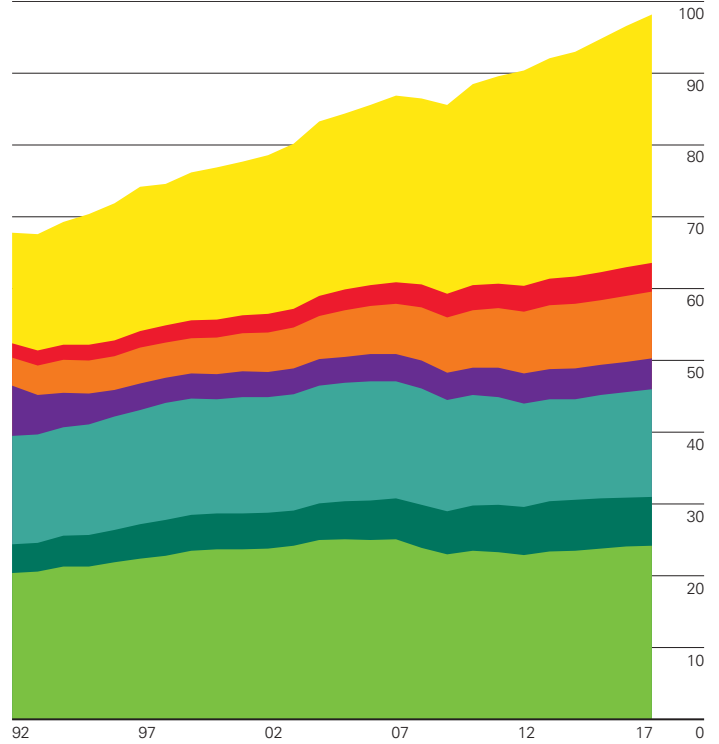
Oil: Production by region

Million barrels daily



Oil: Consumption by region

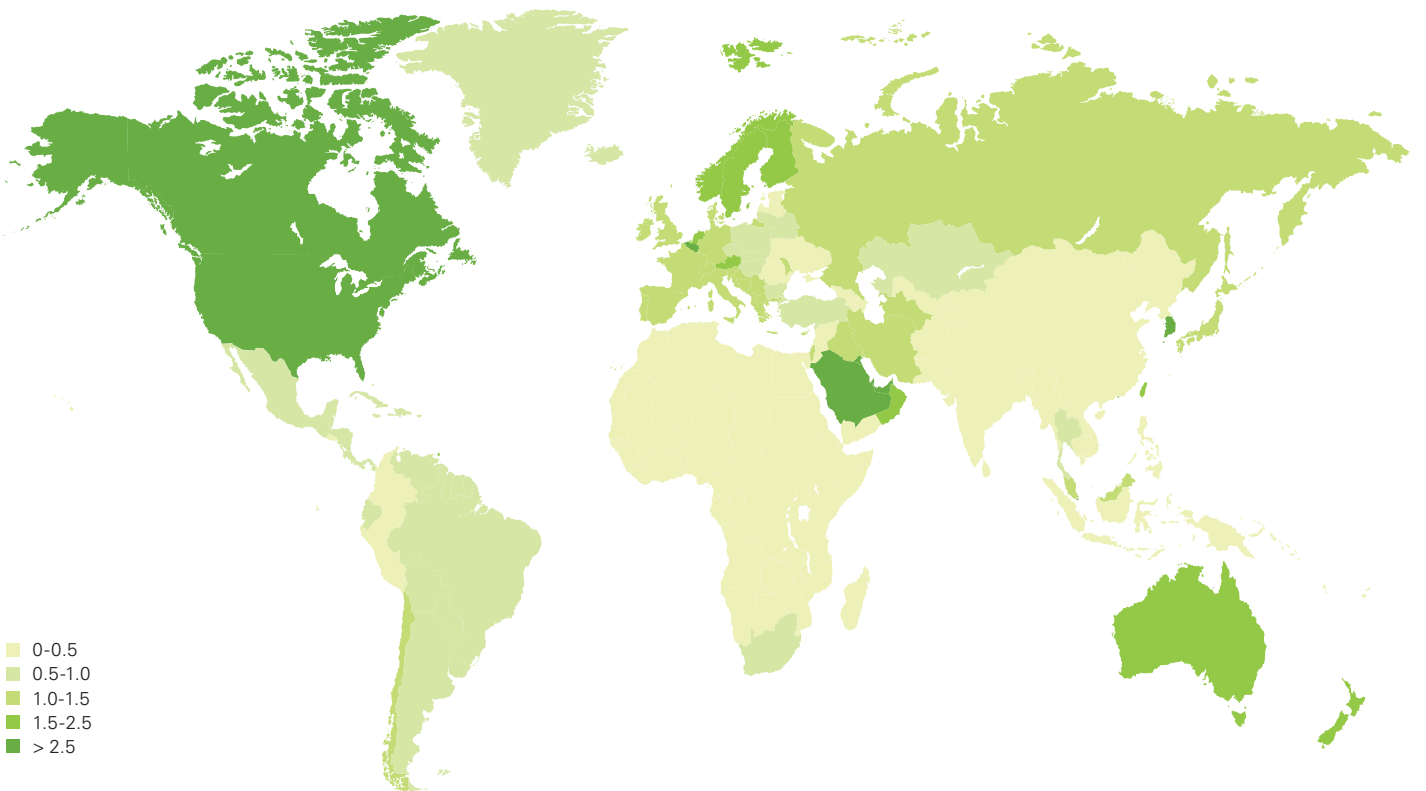
Million barrels daily



World oil production rose by only 0.6 million b/d in 2017, below average for the second consecutive year. Production fell in the Middle East (-250,000 b/d) and South & Central America (-240,000 Kb/d) but this was outweighed by growth from North America (820,000 b/d) and Africa (390,000 b/d). Global oil consumption growth averaged 1.7 million b/d, above its 10-year average of 1.1 million b/d for the third consecutive year. China (500,000 b/d) and the US (190,000 b/d) were the single largest contributors to growth.

Oil: Consumption per capita 2017

Tonnes



Oil: Regional consumption – by product group

Thousand barrels daily	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Growth rate per annum		Share 2017	
												2017	2006-16		
North America															
Light distillates	11200	10859	10839	10950	10697	10572	10778	10841	11092	11287	11260	-0.2%	0.1%	46.5%	
Middle distillates	7318	6934	6281	6567	6694	6409	6519	6801	6813	6759	6933	2.6%	-0.8%	28.6%	
Fuel oil	1081	941	801	810	745	662	576	447	418	474	529	11.4%	-7.7%	2.2%	
Others	5512	5135	5046	5199	5193	5272	5506	5376	5495	5544	5497	-0.9%	0.1%	22.7%	
Total North America	25111	23868	22967	23526	23329	22915	23379	23465	23818	24065	24219	0.6%	-0.4%	100.0%	
of which: US															
Light distillates	9597	9253	9257	9263	9022	8932	9125	9164	9413	9547	9558	0.1%	-0.1%	48.1%	
Middle distillates	6199	5801	5241	5464	5518	5278	5371	5632	5657	5603	5746	2.6%	-1.0%	28.9%	
Fuel oil	718	609	508	532	459	367	317	256	258	325	358	9.9%	-7.1%	1.8%	
Others	4166	3827	3766	3921	3883	3913	4147	4054	4203	4212	4218	0.2%	0.1%	21.2%	
Total US	20680	19490	18771	19180	18882	18490	18961	19106	19531	19687	19880	1.0%	-0.5%	100.0%	
S. & Cent. America															
Light distillates	1589	1671	1760	1860	1936	1981	2084	2145	2203	2166	2174	0.3%	3.8%	32.0%	
Middle distillates	2118	2177	2144	2368	2487	2604	2729	2743	2729	2650	2671	0.8%	3.2%	39.3%	
Fuel oil	802	830	781	761	738	737	712	734	717	654	614	-6.1%	-1.9%	9.0%	
Others	1234	1354	1321	1345	1409	1420	1462	1436	1372	1341	1335	-0.4%	0.7%	19.7%	
Total S. & Cent. America	5742	6032	6006	6334	6570	6742	6987	7058	7021	6811	6794	-0.2%	2.2%	100.0%	
Europe															
Light distillates	3766	3532	3448	3395	3176	3026	2936	2885	2824	2835	2867	1.1%	-2.9%	19.1%	
Middle distillates	7706	7905	7627	7714	7594	7469	7504	7471	7826	7976	8221	3.1%	0.2%	54.9%	
Fuel oil	1643	1581	1419	1308	1259	1141	1023	951	899	938	963	2.7%	-6.0%	6.4%	
Others	3241	3209	3042	3001	2945	2807	2800	2742	2864	2946	2929	-0.6%	-0.9%	19.6%	
Total Europe	16356	16227	15537	15418	14975	14443	14263	14049	14413	14696	14980	1.9%	-1.2%	100.0%	
CIS															
Light distillates	1171	1233	1211	1267	1273	1300	1338	1328	1307	1313	1344	2.3%	1.7%	31.4%	
Middle distillates	1219	1286	1168	1273	1386	1395	1379	1339	1269	1301	1351	3.8%	1.2%	31.6%	
Fuel oil	423	397	379	350	373	361	369	435	354	377	319	-15.3%	-3.8%	7.5%	
Others	1030	984	1010	944	1086	1151	1090	1221	1232	1251	1267	1.2%	2.2%	29.6%	
Total CIS	3844	3900	3768	3834	4118	4206	4176	4323	4162	4243	4282	0.9%	1.1%	100.0%	
Middle East															
Light distillates	1453	1565	1627	1665	1756	1837	1910	1981	2026	2055	2145	4.4%	3.7%	23.1%	
Middle distillates	2260	2303	2301	2279	2392	2488	2622	2526	2418	2302	2295	-0.3%	0.8%	24.7%	
Fuel oil	1580	1747	1901	1934	1951	1991	2067	2172	2215	2137	2108	-1.4%	3.4%	22.7%	
Others	1677	1771	1895	2096	2172	2280	2272	2354	2370	2666	2742	2.8%	5.0%	29.5%	
Total Middle East	6970	7385	7724	7973	8271	8595	8870	9032	9029	9161	9290	1.4%	3.1%	100.0%	
Africa															
Light distillates	703	760	801	836	816	867	885	906	970	1046	1103	5.5%	4.3%	27.3%	
Middle distillates	1376	1458	1510	1611	1608	1678	1807	1845	1881	1864	1929	3.5%	3.7%	47.7%	
Fuel oil	422	434	445	458	392	438	433	432	428	419	387	-7.8%	-0.1%	9.6%	
Others	538	550	568	577	572	586	599	602	598	621	628	1.0%	1.9%	15.5%	
Total Africa	3040	3201	3325	3482	3388	3569	3724	3785	3877	3950	4047	2.5%	3.1%	100.0%	
Asia Pacific															
Light distillates	7401	7454	7697	8320	8525	8954	9482	9806	10596	10952	11304	3.2%	4.5%	32.7%	
Middle distillates	9303	9388	9391	9917	10345	10780	10987	11085	11334	11498	11907	3.6%	2.4%	34.4%	
Fuel oil	3583	3361	3043	3047	3114	3218	2984	2823	2809	2844	2770	-2.6%	-2.1%	8.0%	
Others	5754	5698	6129	6683	6927	7086	7236	7560	7782	8269	8593	3.9%	4.2%	24.9%	
Total Asia Pacific	26041	25901	26260	27967	28911	30038	30689	31274	32521	33562	34574	3.0%	2.9%	100.0%	
of which: China															
Light distillates	1846	1975	2046	2406	2593	2776	3105	3324	3768	3940	4106	4.2%	8.7%	32.1%	
Middle distillates	2859	3078	3127	3452	3667	3963	4068	4114	4220	4155	4312	3.8%	4.5%	33.7%	
Fuel oil	906	724	662	666	588	560	564	592	591	556	573	3.0%	-5.3%	4.5%	
Others	2198	2164	2443	2912	2948	2932	2998	3179	3408	3651	3807	4.3%	5.8%	29.7%	
Total China	7808	7941	8278	9436	9796	10230	10734	11209	11986	12302	12799	4.0%	5.2%	100.0%	
of which: India															
Light distillates	550	581	569	573	607	644	665	688	797	868	883	1.7%	5.0%	18.8%	
Middle distillates	1252	1350	1439	1519	1601	1686	1685	1694	1774	1848	1879	1.7%	4.7%	40.1%	
Fuel oil	232	226	222	199	178	147	117	107	113	136	122	-10.6%	-4.4%	2.6%	
Others	907	921	1006	1028	1102	1209	1260	1360	1480	1708	1807	5.8%	7.5%	38.5%	
Total India	2941	3077	3237	3319	3488	3685	3727	3849	4164	4560	4690	2.9%	5.2%	100.0%	
of which: Japan															
Light distillates	1731	1614	1634	1696	1635	1614	1631	1575	1621	1581	1591	0.6%	-1.1%	39.9%	
Middle distillates	1621	1502	1381	1391	1343	1361	1345	1319	1281	1291	1296	0.4%	-3.1%	32.5%	
Fuel oil	657	707	450	442	577	824	646	532	433	371	285	-23.2%	-5.6%	7.1%	
Others	1005	1025	925	913	887	903	895	876	816	788	817	3.7%	-2.3%	20.5%	
Total Japan	5013	4847	4390	4442	4442	4702	4516	4303	4151	4031	3988	-1.1%	-2.5%	100.0%	
World															
Light distillates	27284	27074	27384	28293	28178	28537	29413	29892	31018	31655	32198	1.7%	1.7%	32.8%	
Middle distillates	31301	31451	30423	31729	32507	32823	33547	33809	34271	34350	35307	2.8%	1.1%	36.0%	
Fuel oil	9535	9289	8769	8668	8572	8548	8163	7994	7840	7843	7690	-2.0%	-2.0%	7.8%	
Others	18986	18701	19012	19845	20305	20601	20964	21291	21713	22640	22990	1.5%	2.0%	23.4%	
Total World	87105	86515	85587	88535	89561	90509	92088	92986	94843	96488	98186	1.8%	1.2%	100.0%	
OECD															
Light distillates	18112	17389	17361	17535	17069	16870	17003	16998	17291	17507	17623	0.7%	-0.3%	37.5%	
Middle distillates	17670	17348	16269	16687	16692	16363	16506	16726	17120	17263	17735	2.7%	-0.3%	37.7%	
Fuel oil	3703	3499	2901	2773	2775	2828	2429	2078	1906	1971	1925	-2.3%	-6.3%	4.1%	
Others	10259	9894	9596	9663	9590	9540	9741	9489	9636	9811	9750	-0.6%	-0.4%	20.7%	
Total OECD	49744	48131	46127	46657	46126	45600	45679	45291	45953	46552	47033	1.0%	-0.7%	100.0%	
Non-OECD															
Light distillates	9172	9685	10023	10758	11109	11667	12411	12894	13728	14148	14575	3.0%	5.0%	28.5%	
Middle distillates	13630	14103	14154	15042	15815	16460	17041	17083	17151	17087	17572	2.8%	2.9%	34.4%	
Fuel oil	5832	5790	5868	5895	5796	5720	5734	5917	5934	5873	5766	-1.8%	•	11.3%	
Others	8727	8807	9416	10182	10715	11061	11223	11802	12078	12829	13240	3.2%	4.4%	25.9%	
Total Non-OECD	37361	38384	39460	41877	43435	44908	46409	47695	48890 </						

Spot crude prices

US dollars per barrel	Dubai \$/bbl*	Brent \$/bbl†	Nigerian Forcados \$/bbl	West Texas Intermediate \$/bbl‡
1982	31.80	32.97	33.29	33.65
1983	28.78	29.55	29.54	30.30
1984	28.06	28.78	28.14	29.39
1985	27.53	27.56	27.75	27.98
1986	13.10	14.43	14.46	15.10
1987	16.95	18.44	18.39	19.18
1988	13.27	14.92	15.00	15.97
1989	15.62	18.23	18.30	19.68
1990	20.45	23.73	23.85	24.50
1991	16.63	20.00	20.11	21.54
1992	17.17	19.32	19.61	20.57
1993	14.93	16.97	17.41	18.45
1994	14.74	15.82	16.25	17.21
1995	16.10	17.02	17.26	18.42
1996	18.52	20.67	21.16	22.16
1997	18.23	19.09	19.33	20.61
1998	12.21	12.72	12.62	14.39
1999	17.25	17.97	18.00	19.31
2000	26.20	28.50	28.42	30.37
2001	22.81	24.44	24.23	25.93
2002	23.74	25.02	25.04	26.16
2003	26.78	28.83	28.66	31.07
2004	33.64	38.27	38.13	41.49
2005	49.35	54.52	55.69	56.59
2006	61.50	65.14	67.07	66.02
2007	68.19	72.39	74.48	72.20
2008	94.34	97.26	101.43	100.06
2009	61.39	61.67	63.35	61.92
2010	78.06	79.50	81.05	79.45
2011	106.18	111.26	113.65	95.04
2012	109.08	111.67	114.21	94.13
2013	105.47	108.66	111.95	97.99
2014	97.07	98.95	101.35	93.28
2015	51.20	52.39	54.41	48.71
2016	41.19	43.73	44.54	43.34
2017	53.13	54.19	54.31	50.79

*1982-1985 Arabian Light, 1986-2017 Dubai dated.

†1982-1983 Forties, 1984-2017 Brent dated.

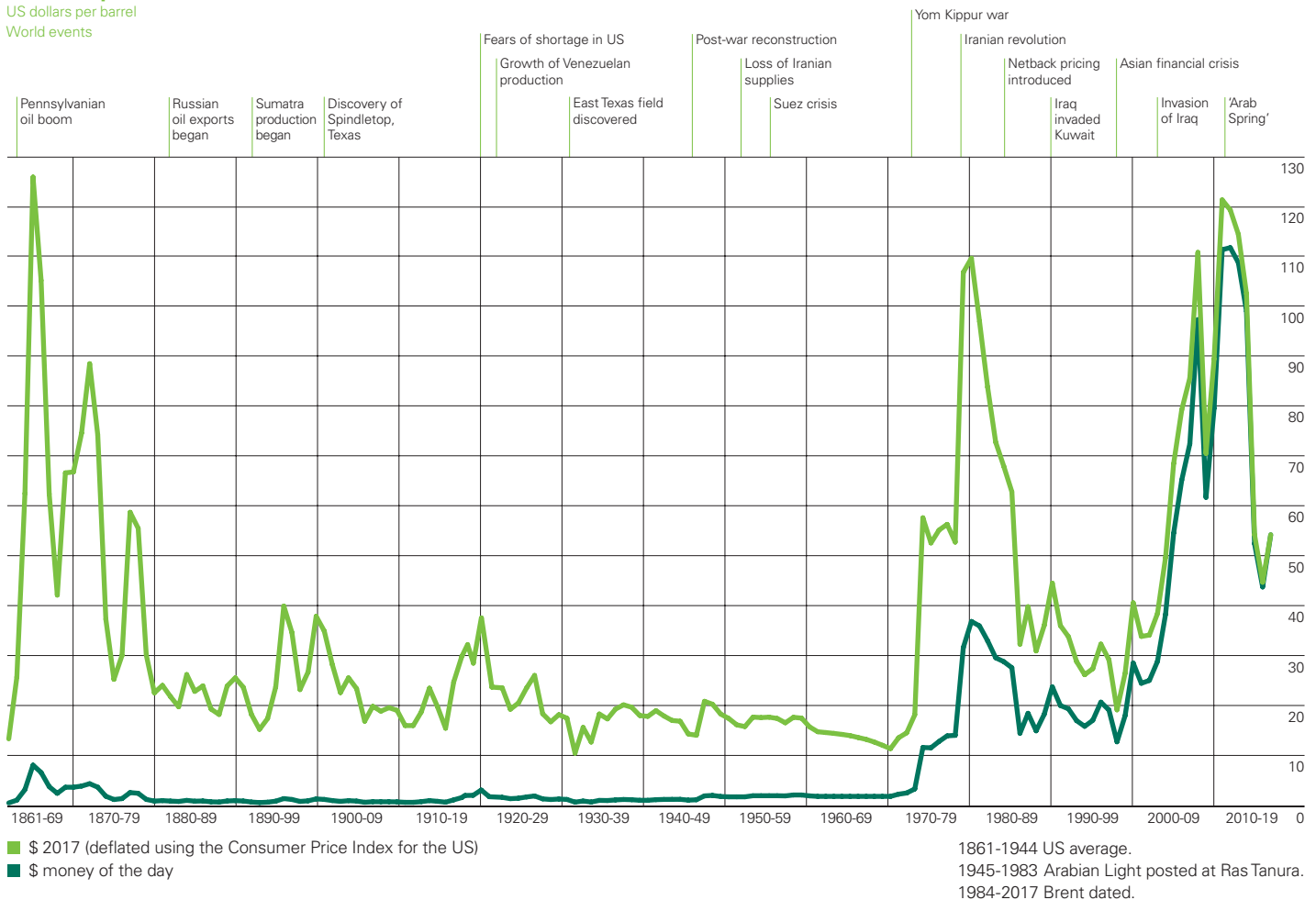
‡1982-1983 Posted WTI prices, 1984-2017 Spot WTI (Cushing) prices.

Source: S&P Global Platts, © 2018, S&P Global Inc.

Crude oil prices 1861-2017

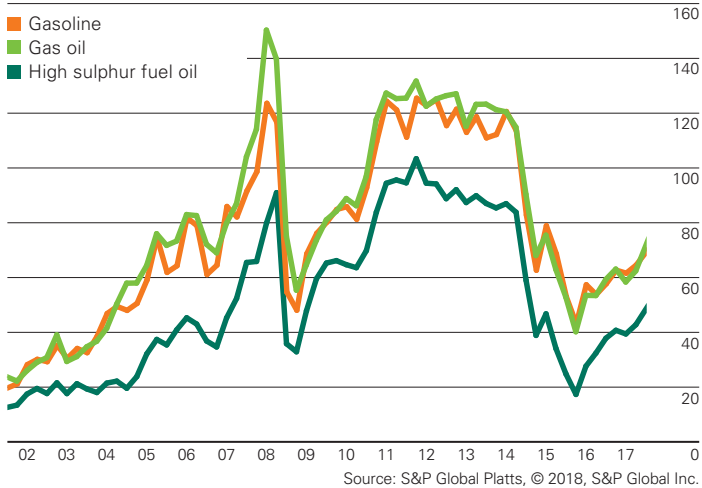
US dollars per barrel

World events



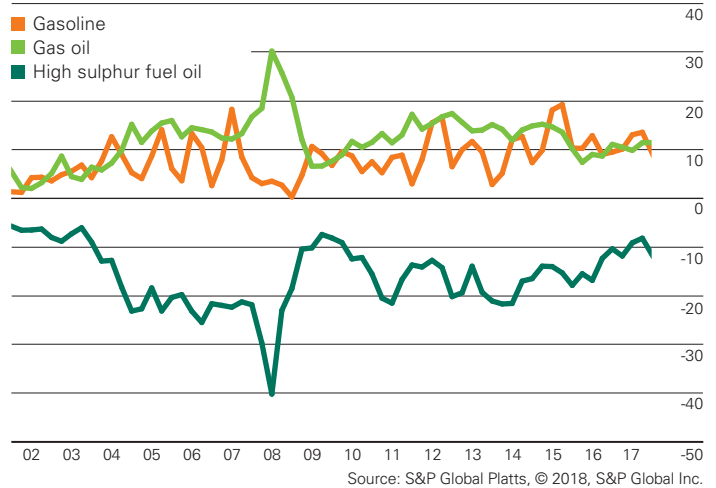
Oil product prices (Rotterdam)

US dollars per barrel



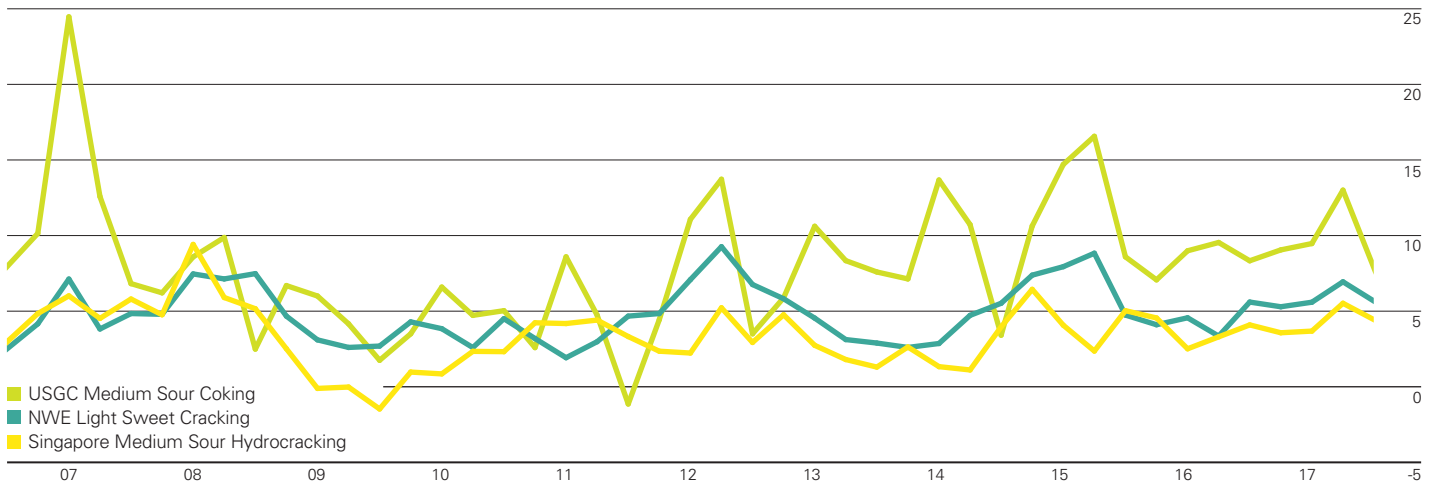
Product differentials to crude (Rotterdam products minus Dated Brent)

US dollars per barrel



Regional refining margins

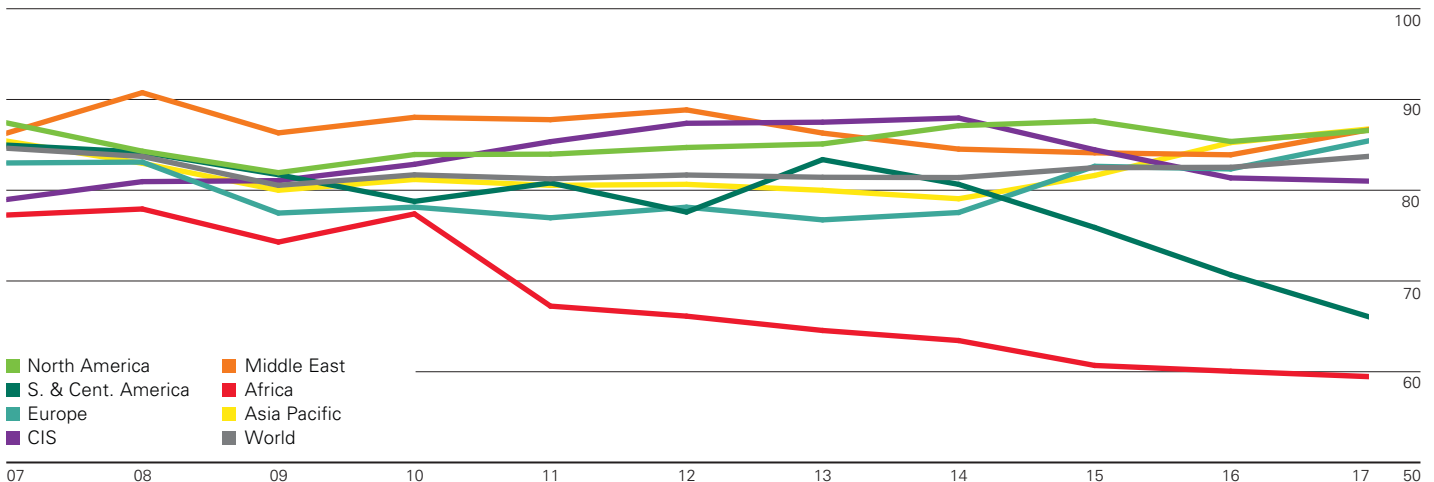
US dollars per barrel



Note: The refining margins presented are benchmark margins for three major global refining centres: US Gulf Coast (USGC), North West Europe (NWE – Rotterdam) and Singapore. In each case they are based on a single crude oil appropriate for that region and have optimized product yields based on a generic refinery configuration (cracking, hydrocracking or coking), again appropriate for that region. The margins are on a semi-variable basis, i.e. the margin after all variable costs and fixed energy costs.

Refinery utilization

Percentage (based on average annual capacity)



Refinery throughput growth averaged 1.6 million b/d, up from only 0.5 million b/d in 2016. Growth was driven by China (570,000 b/d), the US (410,000 b/d) and Europe (370,000 b/d) which outweighed a decline of 280,000 b/d in South & Central America. Global refining capacity growth was 0.6 million b/d, below average for the third consecutive year, with China and India the main contributors to growth. As a result, refinery utilization rose from 82.5% to 83.7% – the highest in nine years. Utilization in South & Central America fell to 66.1% – the lowest since 1985.

Oil: Refinery throughput

Thousand barrels daily*	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Growth rate per annum		Share 2017
												2017	2006-16	
US	15156	14648	14336	14724	14806	14999	15312	15848	16188	16187	16593	2.5%	0.6%	20.3%
Canada	1849	1781	1731	1774	1680	1751	1719	1640	1635	1594	1754	10.0%	-1.1%	2.1%
Mexico	1261	1295	1184	1184	1166	1199	1224	1155	1064	933	767	-17.8%	-3.0%	0.9%
Total North America	18266	17724	17251	17682	17652	17949	18255	18643	18887	18714	19114	2.1%	0.2%	23.3%
Argentina	600	578	532	531	516	530	527	526	536	511	500	-2.2%	-1.1%	0.6%
Brazil	1741	1760	1781	1787	1813	1889	2035	2085	1972	1812	1741	-3.9%	0.6%	2.1%
Chile	201	204	192	159	173	164	174	174	165	163	172	5.5%	-2.8%	0.2%
Colombia	313	313	302	300	306	305	284	247	244	339	354	4.5%	0.7%	0.4%
Curacao	209	197	183	64	164	165	170	189	178	156	95	-39.2%	-2.7%	0.1%
Ecuador	150	155	156	137	156	152	141	125	121	150	156	3.9%	-0.1%	0.2%
Peru	177	177	192	195	189	189	183	185	182	186	217	16.8%	0.8%	0.3%
Trinidad & Tobago	154	150	152	126	137	107	132	105	125	148	131	-11.8%	-0.3%	0.2%
Venezuela	1004	1010	961	969	991	936	952	920	863	654	513	-21.5%	-4.4%	0.6%
Other S. & Cent. America	966	961	801	702	712	325	297	283	280	275	234	-15.1%	-11.6%	0.3%
Total S. & Cent. America	5516	5505	5251	4970	5157	4761	4895	4839	4666	4395	4113	-6.4%	-2.1%	5.0%
Austria	174	176	169	158	168	170	174	173	179	164	163	-1.1%	-0.4%	0.2%
Belgium	662	675	629	668	598	634	555	645	644	640	685	6.9%	0.1%	0.8%
Bulgaria	143	143	125	110	102	118	113	104	121	125	136	8.5%	-1.3%	0.2%
Czech Republic	149	165	148	159	143	145	134	151	145	109	158	45.7%	-3.7%	0.2%
Denmark	157	156	157	146	137	153	144	139	147	140	151	7.7%	-1.3%	0.2%
Finland	218	222	220	211	225	215	227	225	197	226	226	0.0%	0.8%	0.3%
France	1654	1676	1449	1314	1313	1138	1117	1096	1152	1122	1148	2.3%	-3.8%	1.4%
Germany	2193	2151	2026	1915	1876	1901	1857	1833	1875	1887	1878	-0.5%	-1.7%	2.3%
Greece	385	360	346	393	331	410	399	416	436	464	480	3.5%	2.1%	0.6%
Hungary	142	140	127	128	132	122	120	131	130	133	131	-1.4%	-0.4%	0.2%
Italy	1863	1741	1614	1673	1570	1475	1259	1198	1347	1293	1392	7.6%	-3.5%	1.7%
Lithuania	118	195	174	190	189	181	192	160	170	187	192	2.6%	1.1%	0.2%
Netherlands	1131	1120	1104	1156	1115	1110	1065	1090	1157	1171	1179	0.7%	0.3%	1.4%
Norway	305	279	278	259	289	287	292	274	293	230	311	35.0%	-2.9%	0.4%
Poland	402	417	408	458	482	505	488	486	532	517	508	-1.7%	2.7%	0.6%
Portugal	247	241	209	227	206	221	239	217	278	279	290	4.0%	0.5%	0.4%
Romania	280	282	247	217	194	182	189	194	208	228	225	-1.3%	-1.5%	0.3%
Slovakia	120	117	114	110	120	108	116	105	119	115	112	-2.9%	0.1%	0.1%
Spain	1159	1174	1057	1060	1051	1186	1168	1185	1306	1302	1325	1.8%	0.7%	1.6%
Sweden	369	413	394	406	374	417	332	380	401	395	392	-0.9%	-0.5%	0.5%
Turkey	518	490	375	392	394	398	421	406	526	531	542	1.9%	0.0%	0.7%
United Kingdom	1528	1533	1440	1395	1433	1348	1197	1125	1118	1071	1064	-0.6%	-3.5%	1.3%
Other Europe	357	343	349	334	304	262	291	281	264	270	282	4.5%	-2.8%	0.3%
Total Europe	14274	14210	13159	13078	12748	12685	12088	12013	12746	12600	12968	2.9%	-1.4%	15.8%
Azerbaijan	150	147	121	124	127	124	132	135	130	120	117	-2.2%	-2.2%	0.1%
Belarus	429	427	434	330	411	434	425	448	462	372	362	-2.7%	-1.4%	0.4%
Kazakhstan	229	236	235	257	326	331	341	361	342	339	355	4.7%	4.2%	0.4%
Russian Federation	4597	4742	4765	5018	5185	5438	5636	5926	5773	5715	5708	-0.1%	2.6%	7.0%
Turkmenistan	144	149	152	170	165	157	146	136	127	118	125	5.7%	-1.5%	0.2%
Ukraine	279	243	255	249	206	108	85	69	64	62	66	6.4%	-14.3%	0.1%
Uzbekistan	95	93	88	73	69	62	58	55	51	51	52	2.2%	-7.0%	0.1%
Other CIS	3	3	2	2	2	2	3	5	9	10	10	3.7%	18.4%	0.0%
Total CIS	5927	6041	6053	6224	6492	6656	6826	7135	6959	6787	6795	0.1%	1.7%	8.3%
Bahrain	261	257	256	265	259	263	264	257	256	247	249	1.0%	-0.5%	0.3%
Iran	1719	1779	1826	1829	1873	1932	1999	1932	1867	1882	1968	4.6%	1.2%	2.4%
Iraq	342	476	417	520	543	579	598	487	409	440	527	19.7%	-0.1%	0.6%
Israel	189	215	220	226	218	219	221	230	236	223	224	0.3%	1.0%	0.3%
Kuwait	923	906	869	892	852	916	873	879	905	841	701	-16.6%	-0.7%	0.9%
Oman	69	224	203	167	201	193	187	180	190	178	204	15.0%	7.6%	0.2%
Qatar	149	145	158	294	278	292	270	261	253	280	379	35.2%	8.0%	0.5%
Saudi Arabia	1936	2018	1928	1922	1884	1953	1876	2201	2447	2651	2802	5.7%	2.9%	3.4%
United Arab Emirates	529	493	492	571	635	638	650	659	929	1000	1008	0.7%	5.4%	1.2%
Other Middle East	396	391	386	381	349	268	238	237	182	144	166	15.6%	-9.8%	0.2%
Total Middle East	6515	6904	6754	7067	7091	7253	7176	7323	7673	7886	8228	4.3%	1.7%	10.0%
Algeria	391	429	475	548	520	478	492	615	591	584	573	-1.9%	4.3%	0.7%
Egypt	653	617	598	580	523	534	514	530	530	509	508	-0.1%	-2.1%	0.6%
Morocco	128	114	93	110	103	111	111	104	53	-	-	n/a	-100.0%	-
Nigeria	52	107	49	96	108	92	97	64	22	62	67	8.6%	-6.4%	0.1%
South Africa	388	408	388	389	383	403	413	431	443	464	447	-3.7%	1.9%	0.5%
Other Africa	732	720	698	702	518	584	594	445	459	456	453	-0.5%	-4.2%	0.6%
Total Africa	2345	2396	2301	2425	2155	2202	2221	2189	2096	2074	2049	-1.2%	-1.2%	2.5%
Australia	614	570	577	606	627	600	588	538	427	433	419	-3.3%	-3.2%	0.5%
China	6594	6828	7452	8408	8686	9199	9599	10155	10684	11084	11656	5.2%	5.9%	14.2%
India	3107	3213	3641	3899	4085	4302	4462	4475	4561	4930	5010	1.6%	5.6%	6.1%
Indonesia	904	910	900	853	880	820	822	848	836	885	887	0.2%	-0.3%	1.1%
Japan	3995	3946	3627	3619	3410	3400	3453	3289	3258	3280	3215	-2.0%	-2.0%	3.9%
Malaysia	557	560	554	470	516	575	558	553	514	543	565	4.1%	0.4%	0.7%
New Zealand	91	99	95	99	108	109	105	101	109	108	108	0.3%	1.1%	0.1%
Pakistan	238	226	209	190	193	192	223	232	257	242	261	7.7%	0.9%	0.3%
Philippines	206	184	147	181	190	170	158	168	212	216	211	-2.0%	0.2%	0.3%
Singapore	1163	1161	844	979	1035	1020	936	871	937	965	1068	10.7%	-1.8%	1.3%
South Korea	2417	2365	2297	2390	2533	2582	2484	2516	2784	2928	3061	4.5%	2.0%	3.7%
Taiwan	992	900	956	876	809	897	847	850	838	861	848	-1.4%	-1.5%	1.0%
Thailand	922	927	938	963	937	978	1078	1029	1132	1096	1064	-2.9%	1.7%	1.3%
Vietnam	10	10	2											

Oil: Refining capacity

Thousand barrels daily*												Growth rate per annum		Share 2017
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2017	2006-16	
US	17594	17672	17584	17736	17322	17824	17925	17889	18315	18621	18567	-0.3%	0.7%	18.9%
Canada	1907	1951	1976	1913	2005	2015	1929	1929	1931	1934	1968	1.8%	0.1%	2.0%
Mexico	1463	1463	1463	1463	1606	1606	1606	1606	1522	1522	1546	1.6%	0.4%	1.6%
Total North America	20964	21086	21023	21113	20932	21444	21460	21340	21768	22077	22081	*	0.6%	22.5%
Argentina	628	628	625	625	625	657	657	657	657	657	657	-	0.6%	0.7%
Brazil	1964	1977	1992	1992	2014	2004	2097	2238	2281	2289	2285	-0.2%	1.7%	2.3%
Chile	242	242	242	242	250	254	254	258	258	258	258	-	1.0%	0.3%
Colombia	324	326	336	336	336	336	336	336	421	421	421	-	2.7%	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	-	-0.1%	0.2%
Peru	223	230	252	252	252	252	253	253	253	253	253	-	1.3%	0.3%
Trinidad & Tobago	165	165	165	165	165	165	165	165	165	165	165	-	-	0.2%
Venezuela	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	-	0.1%	1.3%
Other S. & Cent. America	1192	1176	900	901	1013	356	361	376	384	384	384	-	-10.4%	0.4%
Total S. & Cent. America	6536	6542	6310	6311	6453	5822	5921	6081	6217	6225	6221	-0.1%	-0.3%	6.3%
Austria	201	201	201	201	193	193	193	193	193	193	193	-	-0.4%	0.2%
Belgium	781	786	786	787	788	753	776	776	776	776	776	-	0.1%	0.8%
Bulgaria	175	175	180	195	195	195	195	195	195	195	195	-	-0.5%	0.2%
Czech Republic	193	193	193	193	193	175	175	175	175	175	175	-	-1.0%	0.2%
Denmark	189	189	189	189	181	181	181	180	180	180	181	0.3%	-0.5%	0.2%
Finland	261	261	261	261	261	261	261	261	261	261	261	-	-	0.3%
France	1962	1971	1842	1702	1610	1513	1375	1375	1245	1245	1245	-	-4.4%	1.3%
Germany	2390	2366	2362	2091	2077	2097	2061	2077	2049	2051	2069	0.8%	-1.5%	2.1%
Greece	425	425	425	490	495	498	498	498	528	528	528	-	2.2%	0.5%
Hungary	165	165	165	165	165	165	165	165	165	165	165	-	-	0.2%
Italy	2377	2396	2396	2396	2276	2098	1861	1900	1900	1900	1900	-	-2.8%	1.9%
Lithuania	241	241	241	241	241	241	241	241	241	241	241	-	-	0.2%
Netherlands	1236	1280	1280	1274	1276	1274	1274	1274	1293	1293	1294	0.1%	0.1%	1.3%
Norway	316	316	316	316	329	342	342	342	342	342	342	-	0.8%	0.3%
Poland	493	492	491	560	580	582	582	582	581	581	559	-3.8%	1.6%	0.6%
Portugal	306	306	306	306	306	330	330	330	330	330	330	-	0.7%	0.3%
Romania	389	358	283	247	229	214	235	228	239	256	247	-3.7%	-4.1%	0.3%
Slovakia	122	122	122	122	122	122	122	122	122	122	122	-	-	0.1%
Spain	1362	1362	1362	1421	1542	1546	1546	1546	1562	1562	1562	-	1.4%	1.6%
Sweden	454	454	454	454	454	454	454	454	454	454	454	-	-	0.5%
Turkey	613	613	613	613	596	596	596	596	596	596	596	-	-0.3%	0.6%
United Kingdom	1819	1827	1757	1757	1787	1526	1498	1337	1337	1227	1227	-	-3.9%	1.3%
Other Europe	616	613	635	635	619	607	591	591	519	519	519	-	-1.7%	0.5%
Total Europe	17088	17113	16860	16618	16516	15962	15552	15438	15414	15193	15180	-0.1%	-1.3%	15.5%
Azerbaijan	205	205	205	205	205	205	205	205	205	205	205	-	-	0.2%
Belarus	460	460	460	460	460	460	460	460	460	460	470	2.2%	-	0.5%
Kazakhstan	330	330	330	330	330	330	350	350	350	350	360	2.9%	0.6%	0.4%
Russian Federation	5471	5387	5425	5563	5721	5816	6279	6407	6513	6583	6584	*	1.8%	6.7%
Turkmenistan	251	251	251	251	251	251	251	251	271	271	271	-	0.8%	0.3%
Ukraine	526	566	582	474	474	248	262	240	240	240	240	-	-7.5%	0.2%
Uzbekistan	232	232	232	232	232	232	232	232	232	232	232	-	-	0.2%
Other CIS	10	10	10	14	10	10	11	28	37	37	37	-	14.0%	*
Total CIS	7485	7441	7495	7529	7683	7552	8050	8173	8308	8378	8399	0.3%	1.1%	8.6%
Bahrain	260	260	260	260	260	260	260	260	260	260	260	-	-	0.3%
Iran	1772	1805	1860	1860	1860	1952	1985	1985	1985	1985	2105	6.0%	1.1%	2.1%
Iraq	738	738	853	914	935	971	823	931	903	919	919	-	2.1%	0.9%
Israel	272	275	275	280	292	292	294	301	301	301	301	-	1.1%	0.3%
Kuwait	936	936	936	936	936	936	936	936	936	936	936	-21.4%	-	0.7%
Oman	216	222	222	222	222	222	222	222	222	222	304	36.9%	1.0%	0.3%
Qatar	137	137	283	283	283	283	283	283	429	429	429	-	12.1%	0.4%
Saudi Arabia	2107	2107	2109	2109	2107	2107	2507	2899	2899	2899	2821	-2.7%	3.2%	2.9%
United Arab Emirates	625	680	700	700	705	710	710	726	1147	1147	1147	-	6.3%	1.2%
Other Middle East	496	496	496	496	496	496	382	382	382	382	496	29.8%	-2.6%	0.5%
Total Middle East	7559	7656	7994	8060	8096	8229	8402	8925	9318	9480	9518	0.4%	2.3%	9.7%
Algeria	443	444	554	554	652	652	647	651	651	651	651	*	3.9%	0.7%
Egypt	810	810	810	810	810	810	810	810	810	810	810	-	-	0.8%
Morocco	156	131	131	131	131	201	201	201	201	201	201	-	2.7%	0.2%
Nigeria	150	250	110	211	336	342	342	345	345	345	345	-	8.7%	0.4%
South Africa	520	520	520	520	520	520	520	520	520	520	520	-	-	0.5%
Other Africa	958	958	958	959	780	910	930	930	930	930	910	-2.2%	-0.3%	0.9%
Total Africa	3037	3113	3083	3185	3229	3435	3449	3457	3457	3457	3437	-0.6%	1.3%	3.5%
Australia	733	734	734	740	742	663	662	536	443	452	454	0.5%	-4.2%	0.5%
China	8737	9670	10616	11604	12296	12962	13594	14534	14306	14177	14513	2.4%	5.2%	14.8%
India	2983	2992	3574	3703	3795	4279	4319	4319	4307	4620	4972	7.6%	4.9%	5.1%
Indonesia	1094	1094	1099	1099	1099	1099	1099	1099	1111	1111	1111	-	1.0%	1.1%
Japan	4650	4650	4630	4291	4274	4254	4123	3749	3721	3600	3343	-7.1%	-2.4%	3.4%
Malaysia	534	568	572	582	601	606	612	612	612	618	625	1.1%	1.6%	0.6%
New Zealand	103	103	136	136	136	136	136	136	136	136	136	-	2.8%	0.1%
Pakistan	271	274	273	277	277	275	390	390	389	389	401	3.1%	3.7%	0.4%
Philippines	270	270	267	264	261	261	270	271	271	271	271	0.1%	-0.2%	0.3%
Singapore	1427	1427	1427	1427	1427	1422	1414	1514	1514	1514	1514	-	0.6%	1.5%
South Korea	2679	2712	2746	2774	2864	2878	2878	3123	3123	3246	3246	-	2.1%	3.3%
Taiwan	1197	1197	1197	1197	1197	1197	1197	1197	988	988	1083	9.6%	-1.4%	1.1%
Thailand	1100	1165	1236	1230	1230	1230	1237	1252	1252	1235	1235	-	1.2%	1.3%
Vietnam	11	11	159	159	159	159	159	159	163	163	167	2.5%	30.9%	0.2%
Other Asia Pacific	206	208	216	216	217	218	227	234						

Oil: Trade movements

Thousand barrels daily	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Growth rate per annum		Share 2017
												2017	2006-16	
Imports														
US	13632	12872	11453	11689	11338	10587	9859	9241	9451	10056	10077	0.2%	-3.0%	14.9%
Europe	14034	13885	12608	12201	12272	12569	12815	12855	13877	13817	14060	1.8%	0.2%	20.8%
China	4172	4494	5100	5886	6295	6675	6978	7398	8333	9214	10241	11.1%	9.0%	15.2%
India	2924	3066	3491	3749	3823	4168	4370	4155	4380	4912	4947	0.7%	6.5%	7.3%
Japan	5032	4925	4263	4567	4494	4743	4637	4383	4332	4180	4142	-0.9%	-2.2%	6.1%
Rest of World	17598	17282	17332	17143	17717	17862	20085	21261	22103	22617	24125	6.7%	3.7%	35.7%
Total World	57392	56524	54247	55234	55938	56604	58744	59293	62477	64795	67592	4.3%	1.7%	100.0%
Exports														
US	1439	1967	1947	2154	2495	2682	3563	4033	4521	4873	5540	13.7%	14.0%	8.2%
Canada	2457	2498	2518	2599	2798	3056	3296	3536	3836	3887	4201	8.1%	5.3%	6.2%
Mexico	1975	1609	1449	1539	1487	1366	1347	1293	1323	1376	1279	-7.1%	-4.1%	1.9%
S. & Cent. America	3570	3616	3748	3568	3755	3830	3790	3939	4107	4144	3993	-3.6%	1.2%	5.9%
Europe	2305	2086	2074	1949	2106	2193	2578	2512	2968	2966	3281	10.6%	2.8%	4.9%
Russia	7827	7540	7257	7397	7448	7457	7948	7792	8313	8354	8611	3.1%	2.1%	12.7%
Other CIS	1538	1680	1790	1944	2080	1848	2102	2021	1847	1847	1974	6.9%	3.5%	2.9%
Saudi Arabia	8101	8357	7276	7595	8120	8468	8365	7911	7968	8515	8238	-3.2%	0.2%	12.2%
Middle East (ex S. Arabia)	12198	12415	11744	11976	12188	11742	12242	12699	13537	14950	15680	4.9%	1.8%	23.2%
North Africa	3341	3268	2943	2878	1951	2602	2127	1743	1701	1697	2155	27.0%	-6.3%	3.2%
West Africa	4961	4712	4531	4755	4759	4724	4590	4849	4880	4396	4470	1.7%	-0.9%	6.6%
Asia Pacific (ex Japan)	6004	5392	5631	6226	6088	6299	6307	6450	6780	7297	7641	4.7%	4.8%	11.3%
Rest of World	1675	1385	1340	653	663	338	491	524	525	494	528	7.0%	-9.6%	0.8%
Total World	57392	56524	54247	55234	55938	56604	58744	59293	62477	64795	67592	4.3%	1.7%	100.0%

Notes: Unless otherwise stated, this table shows inter-regional trade based on the regional classification in the table 'Oil trade in 2016 and 2017' (see page 25).

Bunkers are not included as exports.

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

Oil: Inter-area movements 2017

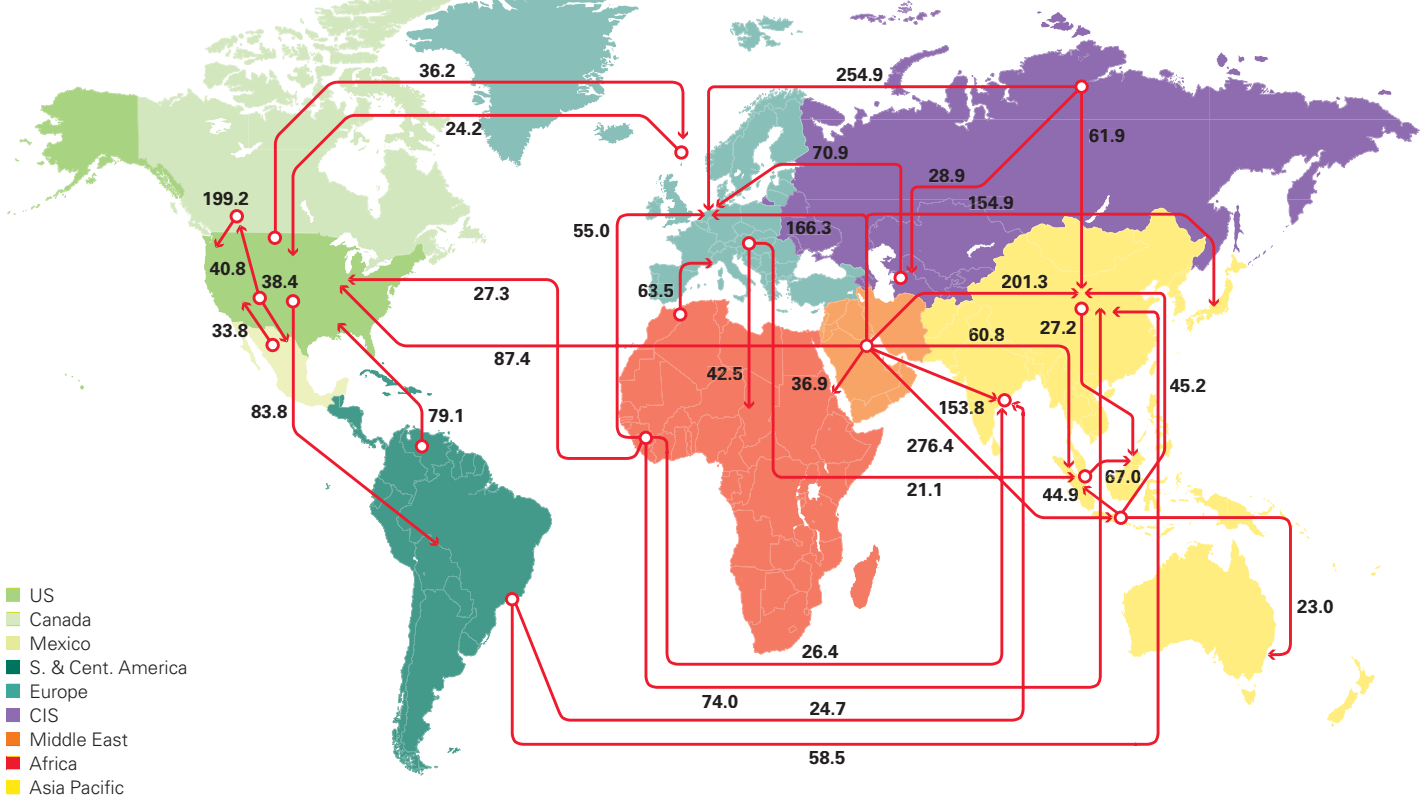
Crude (million tonnes)	To														Other Asia Pacific	Total exports
	US	Canada	Mexico	S. & Cent. America	Europe	Russia	Other CIS	Middle East	Africa	Australasia	China	India	Japan	Singapore		
US	-	16.1	-	3.9	10.8	-	†	0.1	0.3	0.2	7.7	1.2	1.4	0.1	4.2	45.8
Canada	170.3	-	†	0.1	2.2	-	-	†	†	†	0.6	0.1	-	-	-	173.3
Mexico	30.3	-	-	1.0	10.9	-	-	0.1	-	†	1.3	7.2	2.2	†	4.2	57.3
S. & Cent. America	68.4	0.5	†	-	11.0	†	-	-	0.1	-	57.2	24.5	2.3	0.4	4.3	168.8
Europe	3.2	2.2	-	0.5	-	†	†	0.4	0.3	†	9.9	0.5	0.1	0.3	6.2	23.6
Russia	2.4	0.3	-	3.0	170.2	-	18.1	2.8	†	0.7	59.8	2.8	9.0	1.4	6.7	277.2
Other CIS	0.3	1.7	-	-	66.4	0.6	-	5.3	0.4	-	3.8	3.2	1.3	0.2	6.7	90.0
Iraq	30.0	0.1	-	0.4	50.6	†	-	4.5	1.7	-	36.9	41.0	2.7	1.0	20.1	189.0
Kuwait	7.2	-	-	-	9.9	-	-	†	2.8	0.1	18.2	11.2	11.5	6.5	34.2	101.6
Saudi Arabia	47.0	5.0	-	3.9	37.0	-	-	13.7	8.3	0.3	52.2	34.1	63.4	10.1	82.4	357.5
UAE	1.0	-	-	†	0.4	†	-	†	0.1	5.0	10.2	16.4	37.7	14.4	40.6	125.7
Other Middle East	0.8	-	-	†	39.6	-	0.1	0.1	0.1	0.2	66.5	31.6	24.1	11.1	41.1	215.4
North Africa	6.5	1.4	-	2.1	52.8	-	0.1	1.6	†	1.2	5.6	4.1	†	0.8	4.9	81.2
West Africa	25.3	2.3	-	8.2	53.0	†	†	†	8.3	1.9	72.3	26.4	0.8	0.5	15.1	214.2
East & S. Africa	†	-	-	-	1.2	†	†	†	†	-	4.7	1.2	†	†	0.2	7.4
Australasia	0.1	†	-	0.1	†	-	†	†	†	-	2.1	-	0.4	0.8	6.5	9.9
China	-	-	-	†	†	-	-	†	†	†	-	-	1.9	0.2	2.6	4.7
India	-	-	-	†	†	-	-	-	†	†	†	-	-	†	†	†
Japan	-	-	-	-	†	-	-	-	-	†	-	-	-	-	0.1	0.1
Singapore	-	-	-	†	-	-	-	-	†	1.5	-	†	-	-	0.1	1.7
Other Asia Pacific	1.2	-	-	†	†	-	-	0.1	†	10.4	13.3	5.5	3.5	5.9	-	39.9
Total imports	394.1	29.7	†	23.1	516.0	0.6	18.3	28.6	22.7	21.5	422.1	211.1	162.5	53.7	280.2	2184.2
Product (million tonnes)																
US	-	24.7	38.4	80.0	25.5	†	†	2.1	6.5	0.8	8.2	8.4	10.5	6.9	9.1	221.0
Canada	28.8	-	0.9	0.6	2.4	†	†	†	0.1	†	0.4	0.6	0.4	0.2	†	34.5
Mexico	3.5	†	-	0.9	0.1	†	†	†	0.3	†	†	†	-	1.2	0.1	6.2
S. & Cent. America	10.6	0.1	1.1	-	3.9	†	†	0.3	2.0	0.2	1.3	0.1	0.2	8.6	0.4	28.8
Europe	20.9	5.3	2.3	8.5	-	0.3	2.6	17.5	42.2	0.1	5.2	0.7	0.4	20.8	7.4	134.2
Russia	16.1	0.3	†	1.9	84.7	-	10.7	2.4	3.4	†	2.1	0.4	2.0	12.5	9.1	145.6
Other CIS	0.7	0.5	†	0.1	4.5	0.5	-	0.1	0.4	†	0.5	0.1	†	0.1	0.6	8.0
Iraq	0.2	-	†	-	0.2	-	-	0.2	†	-	-	†	-	4.0	0.5	5.1
Kuwait	†	-	-	0.2	2.9	-	†	0.1	2.7	†	1.4	1.5	3.1	2.1	9.6	23.5
Saudi Arabia	0.3	†	-	0.3	12.3	†	0.1	1.4	9.5	†	2.8	8.1	2.5	4.8	8.7	50.7
UAE	0.6	†	0.1	0.2	6.5	†	†	2.1	7.7	0.1	8.9	5.4	4.8	4.3	25.0	65.8
Other Middle East	0.4	†	†	0.1	7.0	†	0.1	6.8	3.9	0.1	4.2	4.4	5.1	2.7	14.1	48.9
North Africa	6.4	†	†	3.7	10.7	†	†	0.5	0.5	†	0.6	0.2	0.6	0.2	1.7	25.1
West Africa	2.0	†	†	0.7	2.0	†	†	†	0.3	0.4	1.7	†	†	0.1	0.8	8.1
East & S. Africa	†	†	†	0.1	0.3	†	†	0.8	0.6	†	†	†	†	0.1	0.2	2.2
Australasia	-	†	†	†	†	†	†	†	0.1	-	0.4	0.1	0.7	0.5	0.8	2.6
China	1.0	0.3	†	3.7	2.5	0.3	†	1.2	1.5	2.4	-	1.0	0.6	8.9	24.6	48.0
India	4.0	†	-	0.2	6.7	†	0.1	10.5	8.3	1.6	0.9	-	2.5	8.7	12.7	56.2
Japan	1.2	†	0.3	0.6	†	†	†	†	†	4.1	2.3	†	-	3.0	4.1	15.9
Singapore	0.9	0.1	0.4	0.4	1.3	†	†	0.9	2.6	9.0	11.5	0.8	1.0	-	66.9	95.9
Other Asia Pacific	5.8	†	0.3	0.5	3.3	0.1	†	1.4	4.4	12.6	31.9	1.9	7.7	39.0	-	108.9
Total imports	103.5	31.2	43.9	102.9	176.9	1.2	13.7	48.5	96.8	31.2	84.4	33.9	42.1	128.5	196.6	1135.1

†Less than 0.05.

Notes: Bunkers are not included as exports. Intra-area movements (for example, between countries in Europe) are excluded. Crude imports and exports include condensates.

Major trade movements 2017

Trade flows worldwide (million tonnes)



Oil trade in 2016 and 2017

Million tonnes	2016				2017			
	Crude imports	Product imports	Crude exports	Product exports	Crude imports	Product imports	Crude exports	Product exports
US	392.0	105.8	27.6	207.2	394.1	103.5	45.8	221.0
Canada	31.2	32.1	163.0	29.9	29.7	31.2	173.3	34.5
Mexico	†	38.0	59.6	8.8	†	43.9	57.3	6.2
S. & Cent. America	24.8	90.9	176.2	29.5	23.1	102.9	168.8	28.8
Europe	489.7	192.3	18.2	124.8	516.0	176.9	23.6	134.2
Russia	0.2	1.4	272.2	139.2	0.6	1.2	277.2	145.6
Other CIS	18.2	10.6	82.7	9.1	18.3	13.7	90.0	8.0
Iraq	†	1.7	179.0	1.4	†	1.3	189.0	5.1
Kuwait	†	0.7	103.2	25.6	†	0.7	101.6	23.5
Saudi Arabia	†	4.4	375.5	47.7	†	5.9	357.5	50.7
United Arab Emirates	1.1	12.5	124.4	60.6	1.3	21.8	125.7	65.8
Other Middle East	26.5	17.4	202.1	44.9	27.2	18.7	215.4	48.9
North Africa	4.3	38.1	58.5	25.2	5.2	34.3	81.2	25.1
West Africa	0.6	26.1	212.2	7.0	0.3	31.6	214.2	8.1
East & S. Africa	21.2	27.1	7.0	2.5	17.2	31.0	7.4	2.2
Australasia	20.7	29.2	10.6	4.0	21.5	31.2	9.9	2.6
China	382.6	74.4	2.7	45.9	422.1	84.4	4.7	48.0
India	214.0	30.0	†	49.2	211.1	33.9	†	56.2
Japan	168.0	39.1	†	14.4	162.5	42.1	0.1	15.9
Singapore	48.1	121.7	0.7	94.5	53.7	128.5	1.7	95.9
Other Asia Pacific	272.6	181.7	41.0	103.6	280.2	196.6	39.9	108.9
Total World	2116.2	1075.2	2116.2	1075.2	2184.2	1135.1	2184.2	1135.1
Thousand barrels daily								
US	7851	2205	553	4320	7914	2163	919	4621
Canada	626	670	3264	623	596	653	3481	720
Mexico	1	793	1193	183	†	917	1150	129
S. & Cent. America	498	1894	3528	616	465	2151	3391	603
Europe	9807	4010	364	2602	10363	3697	474	2806
Russia	3	30	5451	2903	13	25	5567	3044
Other CIS	365	222	1657	190	368	285	1807	167
Iraq	†	36	3585	28	†	28	3796	107
Kuwait	†	15	2066	534	†	15	2040	492
Saudi Arabia	†	91	7520	995	†	124	7178	1060
United Arab Emirates	22	260	2491	1263	27	456	2524	1374
Other Middle East	532	362	4048	935	547	390	4325	1022
North Africa	87	795	1171	526	103	717	1631	524
West Africa	12	543	4250	146	7	660	4302	168
East & S. Africa	424	564	140	53	345	648	148	47
Australasia	415	609	213	83	432	653	199	55
China	7663	1551	54	957	8477	1764	94	1003
India	4286	625	†	1026	4239	708	1	1174
Japan	3365	815	†	301	3263	879	2	331
Singapore	963	2538	13	1971	1078	2685	34	2004
Other Asia Pacific	5460	3787	820	2161	5628	4109	801	2276
Total World	42381	22414	42381	22414	43864	23728	43864	23728

† Less than 0.05.

‡ Less than 0.5.

Notes: Bunkers are not included as exports. Intra-area movements (for example, between countries in Europe) are excluded. Crude imports and exports include condensates.