

Oil

Proved reserves

	At end 1982 Thousand million barrels	At end 1992 Thousand million barrels	At end 2001 Thousand million barrels	Thousand million barrels	At end 2002 Thousand million tonnes	Share of total	R/P ratio
USA	35.1	32.1	30.0	30.4	3.8	2.9%	10.8
Canada	8.3	7.5	6.5	6.9	0.9	0.7%	9.0
Mexico	48.3	51.3	26.9	12.6	1.8	1.2%	10.1
Total North America	91.6	90.9	63.5	49.9	6.4	4.8%	10.3
Argentina	2.6	1.6	3.0	2.9	0.4	0.3%	10.1
Brazil	1.8	3.0	8.5	8.3	1.1	0.8%	15.4
Colombia	0.5	1.9	1.8	1.8	0.3	0.2%	8.5
Ecuador	1.4	1.6	2.1	4.6	0.7	0.4%	31.2
Peru	0.8	0.4	0.3	0.3	†	♦	9.2
Trinidad & Tobago	0.6	0.6	0.7	0.7	0.1	0.1%	13.6
Venezuela	21.5	62.7	77.7	77.8	11.2	7.4%	74.0
Other S. & Cent. America	1.0	0.8	1.9	2.0	0.3	0.2%	39.2
Total S. & Cent. America	30.2	72.5	96.0	98.6	14.1	9.4%	42.0
Azerbaijan	n/a	1.3	7.0	7.0	1.0	0.7%	62.5
Denmark	0.5	0.7	1.1	1.3	0.2	0.1%	10.0
Italy	0.7	0.7	0.6	0.6	0.1	0.1%	16.6
Kazakhstan	n/a	5.2	8.0	9.0	1.2	0.9%	26.1
Norway	6.8	8.8	9.4	10.3	1.4	1.0%	8.7
Romania	n/a	1.6	1.0	1.0	0.1	0.1%	20.9
Russian Federation	n/a	48.5	48.6	60.0	8.2	5.7%	21.7
Turkmenistan	n/a	n/a	0.5	0.5	0.1	0.1%	8.3
United Kingdom	13.9	4.1	4.9	4.7	0.6	0.5%	5.4
Uzbekistan	n/a	n/a	0.6	0.6	0.1	0.1%	11.3
Other Europe & Eurasia	67.0	4.1	2.3	2.4	0.3	0.2%	14.5
Total Europe & Eurasia	88.8	75.0	84.1	97.5	13.3	9.3%	17.0
Iran	55.3	92.9	89.7	89.7	12.3	8.6%	73.8
Iraq	41.0	100.0	112.5	112.5	15.2	10.7%	*
Kuwait	67.2	96.5	96.5	96.5	13.3	9.2%	*
Oman	2.7	4.5	5.5	5.5	0.7	0.5%	16.8
Qatar	3.4	3.7	15.2	15.2	2.0	1.5%	57.6
Saudi Arabia	165.3	260.3	261.8	261.8	36.0	25.0%	86.0
Syria	1.5	1.7	2.5	2.5	0.3	0.2%	11.9
United Arab Emirates	32.4	98.1	97.8	97.8	13.0	9.3%	*
Yemen	–	4.0	4.0	4.0	0.5	0.4%	23.4
Other Middle East	0.2	0.1	0.1	0.1	†	♦	7.8
Total Middle East	369.0	661.8	685.6	685.6	93.4	65.4%	92.0
Algeria	9.4	9.2	9.2	9.2	1.2	0.9%	16.5
Angola	1.6	1.5	5.4	5.4	0.7	0.5%	16.4
Cameroon	0.5	0.4	0.4	0.4	0.1	♦	15.2
Rep. of Congo (Brazzaville)	1.6	0.8	1.5	1.5	0.2	0.1%	16.0
Egypt	3.3	6.2	3.7	3.7	0.5	0.4%	14.1
Gabon	0.5	0.7	2.5	2.5	0.3	0.2%	23.2
Libya	21.5	22.8	29.5	29.5	3.8	2.8%	59.4
Nigeria	16.8	17.9	24.0	24.0	3.2	2.3%	32.8
Sudan	0.4	0.3	0.6	0.6	0.1	0.1%	6.6
Tunisia	1.9	1.7	0.3	0.3	†	♦	11.2
Other Africa	0.4	0.3	0.3	0.3	†	♦	3.2
Total Africa	57.8	61.9	77.4	77.4	10.3	7.4%	27.3
Australia	1.6	1.8	3.5	3.5	0.4	0.3%	14.1
Brunei	1.2	1.4	1.4	1.4	0.2	0.1%	18.0
China	19.5	24.0	24.0	18.3	2.5	1.7%	14.8
India	3.4	6.0	4.8	5.4	0.7	0.5%	19.4
Indonesia	9.6	5.8	5.0	5.0	0.7	0.5%	11.1
Malaysia	3.3	3.7	3.0	3.0	0.4	0.3%	10.6
Papua New Guinea	–	0.3	0.2	0.2	†	♦	14.3
Thailand	0.1	0.2	0.5	0.6	0.1	0.1%	9.6
Vietnam	–	0.5	0.6	0.6	0.1	0.1%	4.7
Other Asia Pacific	0.5	0.8	0.7	0.8	0.1	0.1%	14.7
Total Asia Pacific	39.2	44.6	43.8	38.7	5.2	3.7%	13.7
TOTAL WORLD	676.7	1006.7	1050.3	1047.7	142.7	100.0%	40.6
of which: OECD#	116.7	108.9	84.5	72.0	9.4	6.9%	9.7
OPEC	443.3	769.9	818.8	819.0	111.9	78.2%	82.0
Non-OPEC‡	170.4	179.8	166.1	150.9	20.1	14.4%	11.9
Former Soviet Union	63.0	57.0	65.4	77.8	10.7	7.4%	22.9

*Over 100 years.

†Less than 0.05.

‡Less than 0.05%.

#1982 excludes Central European members.

‡Excludes Former Soviet Union.

n/a not available.

Notes:

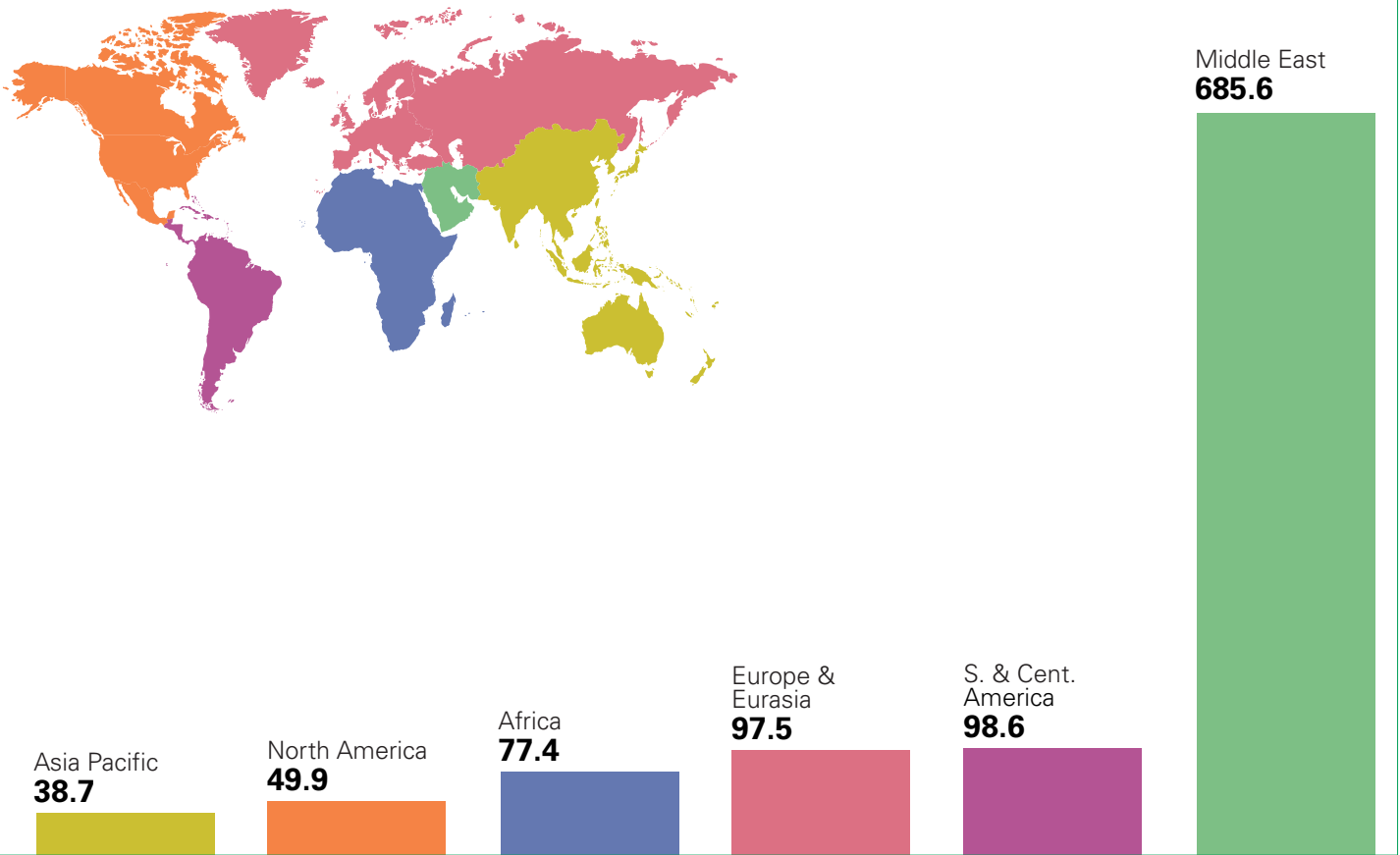
Proved reserves of oil – Generally taken to be those quantities that geological and engineering information indicates with reasonable certainty can be recovered in the future from known reservoirs under existing economic and operating conditions.

Reserves/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 level.

Source of data – With the exception of Azerbaijan, Kazakhstan and Egypt for 2001, the estimates contained in this table are those published by the Oil & Gas Journal, plus an estimate of natural gas liquids for USA and Canada. Reserves of shale oil and oil sands are not included.

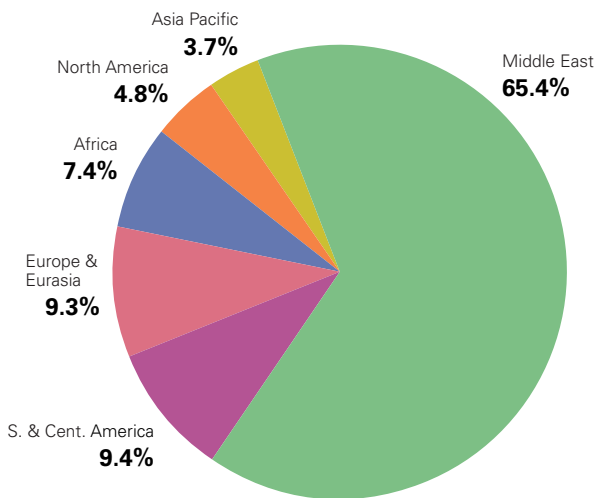
Proved reserves at end 2002

Thousand million barrels



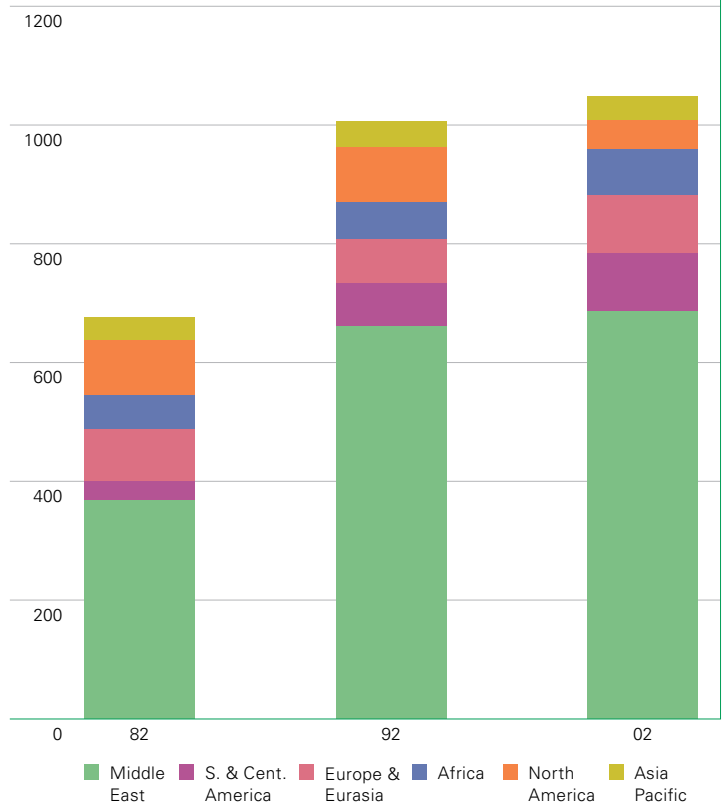
Distribution of proved reserves 2002

Thousand million barrels %



Proved reserves

Thousand million barrels



Oil

Production*

Thousand barrels daily	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
USA	8868	8583	8389	8322	8295	8269	8011	7731	7733	7670	7698	0.3%	9.9%
Canada	2062	2184	2276	2402	2480	2588	2672	2604	2721	2712	2880	6.4%	3.8%
Mexico	3120	3132	3142	3065	3277	3410	3499	3343	3450	3560	3585	1.0%	5.0%
Total North America	14050	13899	13807	13789	14052	14267	14182	13678	13904	13942	14163	1.7%	18.7%
Argentina	587	630	695	758	823	877	890	847	818	827	800	-3.2%	1.1%
Brazil	652	664	693	718	807	868	1003	1133	1268	1337	1500	12.2%	2.1%
Colombia	442	458	460	591	635	667	775	838	711	627	601	-4.2%	0.8%
Ecuador	328	353	388	395	393	397	384	382	409	416	410	-1.5%	0.6%
Peru	117	127	128	123	121	120	119	110	104	98	98	-	0.1%
Trinidad & Tobago	144	134	141	142	141	135	134	141	138	135	155	15.4%	0.2%
Venezuela	2499	2592	2752	2959	3137	3321	3510	3248	3321	3210	2942	-8.3%	4.3%
Other S. & Cent. America	76	83	90	96	102	108	125	122	129	138	148	7.7%	0.2%
Total S. & Cent. America	4845	5040	5347	5782	6159	6493	6940	6822	6898	6788	6654	-2.1%	9.4%
Azerbaijan	226	209	193	185	183	185	230	278	281	300	308	2.8%	0.4%
Denmark	159	170	187	188	207	233	235	301	364	347	371	7.0%	0.5%
Italy	86	89	94	101	104	114	108	96	88	79	103	29.8%	0.2%
Kazakhstan	549	490	430	434	474	536	537	631	744	836	989	17.8%	1.3%
Norway	2218	2377	2693	2903	3233	3280	3139	3139	3346	3418	3330	-3.0%	4.4%
Romania	142	144	145	145	142	141	137	133	131	130	127	-2.3%	0.2%
Russian Federation	8038	7173	6419	6288	6114	6227	6169	6178	6536	7056	7698	9.1%	10.7%
Turkmenistan	109	92	87	84	90	108	129	143	144	162	182	12.4%	0.3%
United Kingdom	1981	2119	2675	2749	2735	2702	2793	2893	2657	2476	2463	-0.6%	3.3%
Uzbekistan	79	94	124	172	174	182	191	191	177	171	171	0.3%	0.2%
Other Europe & Eurasia	641	601	609	576	548	526	507	475	468	467	480	3.1%	0.7%
Total Europe & Eurasia	14228	13557	13656	13825	14004	14233	14175	14458	14937	15443	16222	5.0%	22.0%
Iran	3523	3683	3692	3695	3709	3726	3803	3550	3766	3680	3366	-8.6%	4.7%
Iraq	531	455	505	530	580	1166	2126	2541	2583	2371	2030	-14.4%	2.8%
Kuwait	1077	1945	2085	2130	2129	2137	2176	2000	2105	2069	1871	-9.8%	2.6%
Oman	748	785	819	868	897	909	905	911	959	961	902	-6.2%	1.3%
Qatar	495	460	451	461	568	694	747	724	796	779	755	-3.3%	1.0%
Saudi Arabia	9098	8962	9023	9032	9180	9361	9370	8694	9297	8992	8680	-3.7%	11.8%
Syria	518	570	568	601	591	582	580	583	554	587	576	-1.9%	0.8%
United Arab Emirates	2510	2443	2482	2410	2495	2490	2556	2299	2492	2429	2270	-6.9%	3.0%
Yemen	184	209	346	351	357	375	380	405	450	471	473	0.4%	0.6%
Other Middle East	54	53	52	52	50	50	49	48	49	49	49	-	0.1%
Total Middle East	18739	19566	20023	20130	20555	21488	22692	21755	23051	22388	20973	-6.5%	28.5%
Algeria	1323	1329	1324	1327	1386	1421	1461	1515	1579	1562	1659	6.7%	2.0%
Angola	550	504	557	633	716	741	731	745	746	742	905	22.0%	1.3%
Cameroon	134	130	115	106	110	124	105	95	88	80	72	-9.9%	0.1%
Rep. of Congo (Brazzaville)	167	185	185	180	200	225	264	293	275	271	258	-4.7%	0.4%
Egypt	906	941	921	924	894	873	857	827	781	758	751	-1.0%	1.0%
Equatorial Guinea	2	5	5	7	17	60	83	100	113	181	237	31.0%	0.3%
Gabon	289	305	337	356	365	364	337	340	327	301	295	-2.0%	0.4%
Libya	1473	1402	1431	1439	1452	1489	1480	1425	1475	1425	1376	-3.5%	1.8%
Nigeria	1950	1985	1988	1998	2138	2303	2163	2028	2104	2199	2013	-8.5%	2.8%
Sudan	-	2	2	2	5	9	12	63	174	211	233	10.4%	0.3%
Tunisia	110	99	93	90	89	81	85	86	80	73	76	3.3%	0.1%
Other Africa	29	36	42	51	62	64	63	56	61	64	61	-4.8%	0.1%
Total Africa	6933	6922	7001	7112	7434	7754	7640	7574	7803	7868	7937	0.8%	10.6%
Australia	598	566	611	583	610	668	644	577	812	733	730	-1.0%	0.9%
Brunei	182	175	179	175	165	163	157	182	193	203	210	3.5%	0.3%
China	2841	2888	2930	2989	3170	3211	3212	3213	3252	3306	3387	2.5%	4.8%
India	643	620	708	804	778	800	791	788	780	779	793	2.0%	1.0%
Indonesia	1579	1588	1589	1578	1580	1557	1520	1408	1456	1389	1278	-8.1%	1.8%
Malaysia	670	662	674	724	736	764	815	791	791	786	833	5.6%	1.0%
Papua New Guinea	53	126	121	100	106	76	81	88	69	58	46	-20.7%	0.1%
Thailand	83	87	87	87	97	116	121	132	164	174	197	13.4%	0.2%
Vietnam	111	128	144	155	179	205	245	296	328	350	354	1.0%	0.5%
Other Asia Pacific	159	156	143	136	145	158	143	137	136	144	160	10.9%	0.2%
Total Asia Pacific	6918	6996	7186	7330	7566	7718	7729	7612	7981	7921	7987	0.7%	10.7%
TOTAL WORLD	65713	65980	67020	67968	69770	71953	73357	71898	74574	74350	73935	-0.7%	100.0%
of which: OECD	19572	19671	20530	20742	21352	21669	21482	21040	21517	21341	21516	0.8%	28.4%
OPEC	26059	26844	27322	27559	28354	29663	30910	29432	30974	30105	28240	-6.4%	38.4%
Non-OPEC‡	30505	30940	32306	33113	34245	34913	35056	34915	35587	35586	36214	1.8%	48.6%
Former Soviet Union	9149	8196	7391	7297	7171	7377	7391	7551	8013	8659	9482	9.4%	13.1%

*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 coal derivatives.

‡Excludes Former Soviet Union.

Note: Annual changes and shares of total are calculated using million tonnes per annum figures rather than thousand barrels daily. Because of rounding some totals may not agree exactly with the sum of their component parts.

Production*

Million tonnes	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
USA	413.0	397.0	387.5	383.6	382.1	380.0	368.1	352.6	352.6	349.2	350.4	0.3%	9.9%
Canada	97.0	102.0	106.4	111.9	115.5	120.7	125.1	121.0	126.9	127.5	135.6	6.4%	3.8%
Mexico	153.7	153.8	154.4	150.5	162.6	169.7	173.5	165.2	171.2	176.6	178.4	1.0%	5.0%
Total North America	663.7	652.9	648.3	646.0	660.1	670.4	666.7	638.8	650.8	653.3	664.4	1.7%	18.7%
Argentina	29.0	31.1	34.5	37.5	40.8	43.4	44.0	41.8	40.4	40.8	39.4	-3.2%	1.1%
Brazil	32.3	32.9	34.3	35.5	40.2	43.1	49.8	56.3	63.2	66.3	74.4	12.2%	2.1%
Colombia	22.2	22.9	23.0	29.5	31.8	33.2	38.5	41.6	35.3	31.0	29.7	-4.2%	0.8%
Ecuador	16.7	17.9	19.7	20.1	20.0	20.2	19.5	19.4	20.9	21.2	20.8	-1.5%	0.6%
Peru	5.8	6.3	6.3	6.1	6.0	5.9	5.8	5.4	5.1	4.8	4.8	-	0.1%
Trinidad & Tobago	7.3	6.8	7.1	7.0	7.0	6.7	6.7	7.0	6.8	6.5	7.5	15.4%	0.2%
Venezuela	129.6	134.0	142.0	152.4	162.2	171.4	181.0	167.0	171.6	165.2	151.4	-8.3%	4.3%
Other S. & Cent. America	3.6	3.9	4.3	4.6	5.0	5.3	6.2	6.2	6.6	7.0	7.5	7.7%	0.2%
Total S. & Cent. America	246.5	255.7	271.2	292.8	312.9	329.2	351.5	344.6	349.8	342.8	335.7	-2.1%	9.4%
Azerbaijan	11.1	10.3	9.6	9.2	9.1	9.2	11.4	13.8	14.0	14.9	15.3	2.8%	0.4%
Denmark	7.8	8.3	9.1	9.2	10.1	11.4	11.4	14.7	17.8	16.9	18.1	7.0%	0.5%
Italy	4.5	4.6	4.9	5.2	5.5	6.0	5.6	5.0	4.6	4.1	5.4	29.8%	0.2%
Kazakhstan	25.8	23.0	20.3	20.6	23.0	25.8	25.9	30.1	35.3	40.1	47.2	17.8%	1.3%
Norway	107.0	114.2	128.6	138.4	154.8	156.3	149.7	149.7	160.2	162.2	157.4	-3.0%	4.4%
Romania	6.8	6.9	7.0	7.0	6.9	6.8	6.6	6.4	6.3	6.2	6.1	-2.3%	0.2%
Russian Federation	398.8	354.9	317.6	310.8	302.9	307.4	304.3	304.8	323.3	348.1	379.6	9.1%	10.7%
Turkmenistan	5.2	4.4	4.2	4.1	4.4	5.4	6.4	7.1	7.2	8.0	9.0	12.4%	0.3%
United Kingdom	94.3	100.2	126.5	129.9	129.7	127.9	132.1	136.8	125.9	116.7	115.9	-0.6%	3.3%
Uzbekistan	3.3	4.0	5.5	7.6	7.6	7.9	8.2	8.1	7.5	7.2	7.2	0.3%	0.2%
Other Europe & Eurasia	31.1	29.0	29.4	27.7	26.3	25.2	24.3	22.7	22.5	22.3	23.0	3.1%	0.7%
Total Europe & Eurasia	695.6	659.8	662.7	669.6	680.2	689.0	686.0	699.2	724.6	746.7	784.2	5.0%	22.0%
Iran	175.7	183.2	183.6	183.7	184.8	185.1	188.9	176.2	187.5	182.6	166.8	-8.6%	4.7%
Iraq	26.1	22.3	24.8	26.0	28.6	57.1	104.4	124.9	127.3	116.5	99.7	-14.4%	2.8%
Kuwait	54.0	96.6	103.4	104.9	105.1	105.1	107.2	98.3	104.0	101.9	91.8	-9.8%	2.6%
Oman	37.0	38.8	40.5	42.8	44.4	44.9	44.7	45.0	47.6	47.5	44.6	-6.2%	1.3%
Qatar	22.8	21.1	20.6	21.1	26.2	32.2	34.6	33.4	36.8	35.8	34.7	-3.3%	1.0%
Saudi Arabia	442.4	432.8	435.3	435.4	443.5	451.3	452.0	419.1	450.6	434.1	418.1	-3.7%	11.8%
Syria	25.8	28.3	28.2	29.8	29.4	28.8	28.8	28.9	27.6	29.1	28.6	-1.9%	0.8%
United Arab Emirates	118.9	114.8	116.6	114.0	117.9	117.0	119.9	107.6	117.0	113.5	105.6	-6.9%	3.0%
Yemen	8.7	9.9	16.4	16.7	16.9	17.7	18.0	19.2	21.3	22.3	22.4	0.4%	0.6%
Other Middle East	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.2	2.3	2.3	2.3	-	0.1%
Total Middle East	914.0	950.2	971.6	976.7	999.1	1041.6	1100.8	1054.8	1121.9	1085.6	1014.6	-6.5%	28.5%
Algeria	56.6	56.7	56.4	56.6	59.3	60.3	61.8	63.9	66.8	65.8	70.2	6.7%	2.0%
Angola	27.2	24.8	27.4	31.2	35.4	36.5	36.0	36.7	36.9	36.6	44.6	22.0%	1.3%
Cameroon	6.8	6.6	5.8	5.4	5.6	6.3	5.3	4.8	4.5	4.1	3.7	-9.9%	0.1%
Rep. of Congo (Brazzaville)	8.6	9.5	9.6	9.3	10.4	11.6	13.6	15.1	14.2	14.0	13.3	-4.7%	0.4%
Egypt	46.0	47.5	46.5	46.6	45.1	43.8	43.0	41.4	38.8	37.3	37.0	-1.0%	1.0%
Equatorial Guinea	0.1	0.2	0.2	0.3	0.9	3.0	4.1	5.0	5.6	9.0	11.7	31.0%	0.3%
Gabon	14.5	15.2	16.8	17.8	18.3	18.2	16.9	17.0	16.4	15.0	14.7	-2.0%	0.4%
Libya	69.7	66.1	67.5	67.9	68.6	70.0	69.6	67.0	69.5	67.0	64.7	-3.5%	1.8%
Nigeria	96.3	97.1	97.0	97.5	104.7	112.7	105.9	99.2	103.3	107.8	98.6	-8.5%	2.8%
Sudan	-	0.1	0.1	0.1	0.2	0.4	0.6	3.1	8.6	10.4	11.5	10.4%	0.3%
Tunisia	5.2	4.7	4.4	4.3	4.2	3.8	4.0	4.1	3.8	3.5	3.6	3.3%	0.1%
Other Africa	1.5	1.7	2.0	2.5	3.0	3.1	3.0	2.7	3.0	3.1	3.0	-4.8%	0.1%
Total Africa	332.4	330.4	333.8	339.3	355.7	369.8	363.7	359.9	371.3	373.3	376.4	0.8%	10.6%
Australia	26.5	24.9	26.9	25.4	26.6	28.8	27.4	24.5	35.4	31.8	31.5	-1.0%	0.9%
Brunei	8.9	8.5	8.7	8.5	8.0	7.9	7.6	8.9	9.4	9.9	10.2	3.5%	0.3%
China	142.0	144.0	146.1	149.0	158.5	160.1	160.2	160.2	162.6	164.8	168.9	2.5%	4.8%
India	30.2	29.0	33.3	37.8	36.3	37.3	36.7	36.5	36.1	36.0	36.7	2.0%	1.0%
Indonesia	76.7	76.9	76.9	76.5	76.7	75.7	74.2	68.6	71.5	68.0	62.4	-8.1%	1.8%
Malaysia	31.7	31.1	31.7	34.0	34.4	35.1	36.9	35.6	35.5	35.0	37.0	5.6%	1.0%
Papua New Guinea	2.5	5.9	5.7	4.7	5.0	3.5	3.8	4.1	3.2	2.7	2.1	-20.7%	0.1%
Thailand	3.3	3.4	3.5	3.4	3.8	4.5	4.7	5.2	6.6	7.0	7.9	13.4%	0.2%
Vietnam	5.5	6.3	7.1	7.7	8.9	10.1	12.1	14.6	16.2	17.1	17.3	1.0%	0.5%
Other Asia Pacific	7.4	7.3	6.6	6.3	6.7	7.3	6.6	6.3	6.3	6.6	7.3	10.9%	0.2%
Total Asia Pacific	334.7	337.1	346.3	353.1	365.0	370.3	370.2	364.4	382.9	378.9	381.4	0.7%	10.7%
TOTAL WORLD	3186.8	3186.0	3233.9	3277.5	3372.9	3470.2	3538.8	3461.7	3601.3	3580.6	3556.8	-0.7%	100.0%
of which: OECD	926.8	926.6	966.6	974.8	1006.5	1019.9	1011.2	986.5	1011.3	1001.4	1009.7	0.8%	28.4%
OPEC	1268.8	1301.5	1324.0	1335.9	1377.6	1438.0	1499.4	1425.2	1506.0	1458.1	1364.2	-6.4%	38.4%
Non-OPEC‡	1466.9	1481.4	1546.2	1583.2	1642.0	1670.1	1676.9	1666.6	1702.0	1698.0	1728.1	1.8%	48.6%
Former Soviet Union	451.2	403.2	363.7	358.4	353.3	362.0	362.5	369.9	393.3	424.5	464.6	9.4%	13.1%

*Includes crude oil, shale oil, oil sands and NGLs (natural gas liquids – the liquid content of natural gas where this is recovered separately).

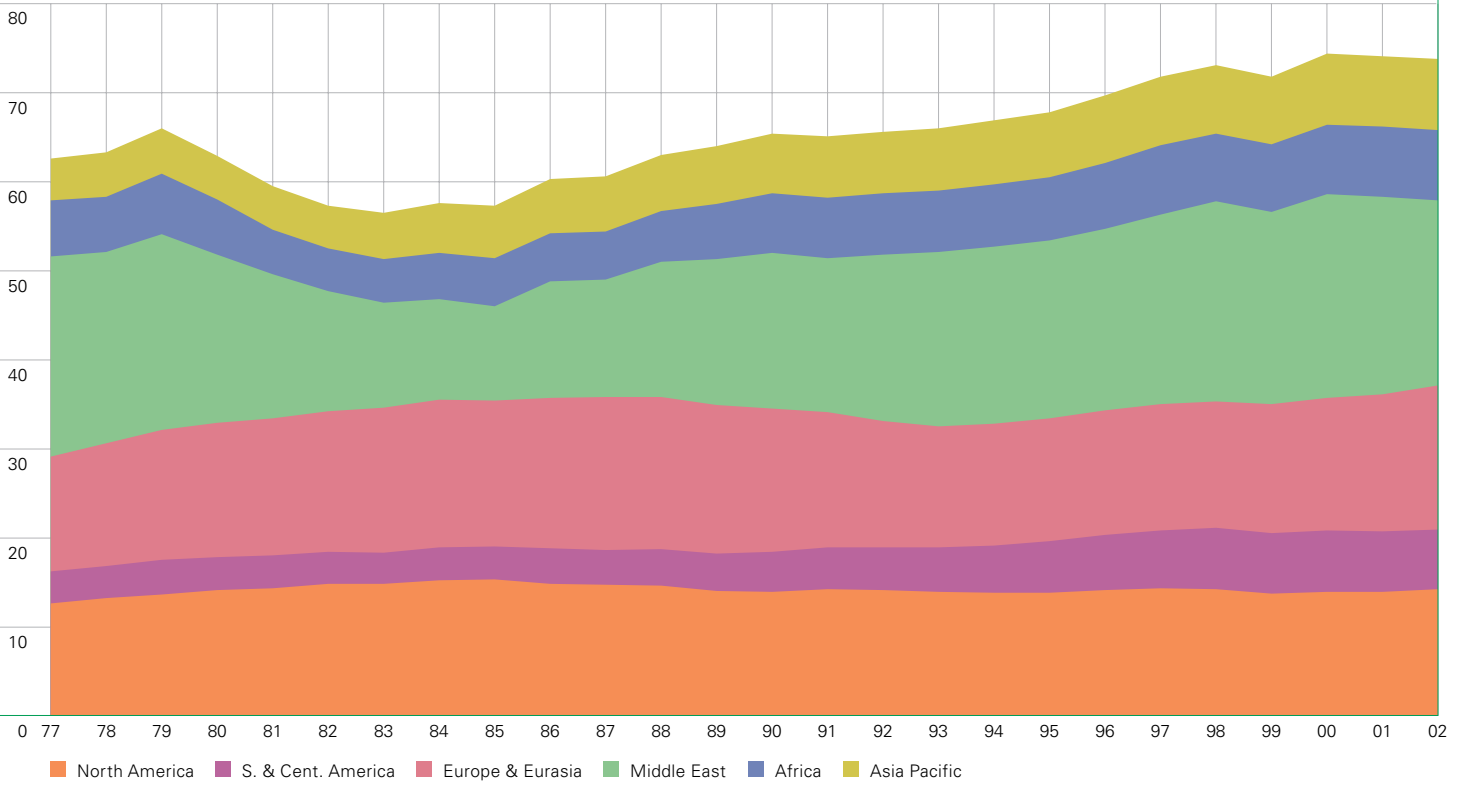
Excludes liquid fuels from other sources such as coal derivatives.

‡Excludes Former Soviet Union.

Note: Because of rounding some totals may not agree exactly with the sum of their component parts.

Production by area

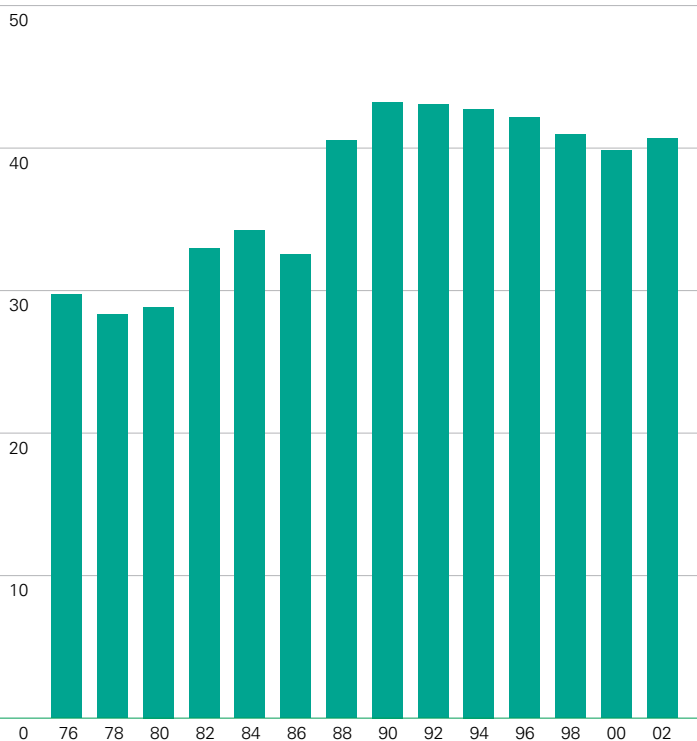
Million barrels daily



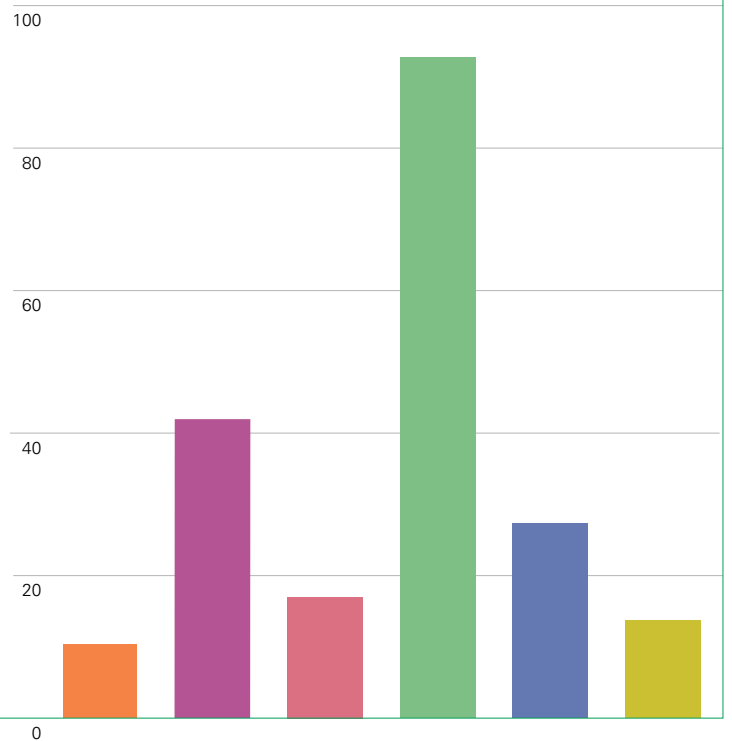
Oil production fell in 2002 for the second year running. A large drop in OPEC production outweighed strong growth in the Former Soviet Union and Non-OPEC.

R/P ratios

World – Reserves to production ratio



2002 by area – Reserves to production ratio



The world's oil R/P ratio increased to 40.6 years in 2002, as the fall in global oil production outweighed a small drop in proven reserves.

Consumption*

Thousand barrels daily	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
USA	17033	17236	17719	17725	18309	18621	18917	19519	19701	19649	19708	-0.2%	25.4%
Canada	1703	1712	1742	1776	1818	1888	1913	1926	1937	1964	1988	1.1%	2.5%
Mexico	1543	1549	1685	1561	1608	1682	1763	1765	1835	1828	1791	-3.0%	2.3%
Total North America	20279	20498	21145	21061	21736	22191	22593	23210	23473	23441	23487	-0.3%	30.2%
Argentina	417	418	416	415	432	451	467	445	431	404	354	-11.7%	0.5%
Brazil	1328	1354	1418	1498	1601	1729	1800	1879	1855	1896	1849	-2.4%	2.4%
Chile	159	174	190	209	228	242	247	251	238	232	236	1.9%	0.3%
Colombia	233	238	246	260	268	272	266	238	232	245	222	-9.6%	0.3%
Ecuador	101	106	115	112	125	142	145	131	129	132	131	-0.9%	0.2%
Peru	118	123	134	150	155	154	155	159	155	148	148	-0.4%	0.2%
Venezuela	431	430	436	446	426	452	475	474	496	491	502	3.2%	0.7%
Other S. & Cent. America	936	963	1022	1044	1065	1098	1128	1129	1125	1137	1148	0.9%	1.6%
Total S. & Cent. America	3723	3804	3977	4136	4300	4539	4683	4705	4662	4684	4590	-1.9%	6.1%
Austria	235	237	235	234	242	246	255	250	244	265	269	1.2%	0.4%
Azerbaijan	162	165	163	171	140	120	151	149	124	74	73	-1.9%	0.1%
Belarus	425	281	257	247	186	193	167	141	132	117	116	-0.9%	0.2%
Belgium & Luxembourg	558	546	556	546	606	629	656	670	702	669	679	2.2%	0.9%
Bulgaria	121	127	118	115	114	92	100	93	84	87	90	3.8%	0.1%
Czech Republic	140	142	149	169	177	170	174	174	169	178	174	-2.0%	0.2%
Denmark	186	196	209	217	235	229	223	222	215	205	205	-0.2%	0.3%
Finland	216	206	216	208	216	213	221	224	224	222	226	3.4%	0.3%
France	2011	1940	1878	1893	1930	1948	2016	2044	2007	2023	1967	-2.7%	2.6%
Germany	2849	2904	2880	2882	2921	2913	2915	2824	2763	2804	2709	-3.3%	3.6%
Greece	329	342	346	361	372	379	374	383	406	462	463	0.2%	0.6%
Hungary	170	162	169	159	148	150	157	151	145	142	138	-4.0%	0.2%
Iceland	14	15	15	16	16	18	18	18	19	18	18	2.4%	*
Republic of Ireland	105	106	116	118	124	136	152	172	170	185	180	-3.5%	0.2%
Italy	1950	1924	1920	1987	1956	1969	1974	1980	1956	1946	1943	0.1%	2.6%
Kazakhstan	407	315	247	242	204	207	165	133	140	136	130	-5.0%	0.2%
Lithuania	90	78	72	64	66	66	76	63	49	56	56	-0.7%	0.1%
Netherlands	793	788	792	828	810	856	854	880	899	948	951	-0.4%	1.2%
Norway	196	210	212	212	218	223	215	216	201	213	209	-2.3%	0.3%
Poland	288	296	314	321	368	391	424	431	427	415	422	2.4%	0.6%
Portugal	265	252	253	270	256	290	315	321	312	305	309	1.5%	0.4%
Romania	258	242	226	274	260	276	242	195	203	217	224	2.8%	0.3%
Russian Federation	4494	3788	3267	2934	2606	2593	2484	2534	2474	2456	2469	0.5%	3.5%
Slovakia	81	67	70	69	71	72	80	73	73	68	70	2.7%	0.1%
Spain	1113	1079	1120	1177	1221	1290	1381	1423	1452	1508	1520	1.0%	2.1%
Sweden	343	335	354	338	362	336	338	337	318	318	315	-1.4%	0.4%
Switzerland	281	264	272	253	261	276	279	271	263	281	267	-5.2%	0.4%
Turkey	499	574	553	610	635	646	640	638	695	665	647	-1.8%	0.8%
Turkmenistan	98	64	74	78	60	60	56	50	46	48	52	8.3%	0.1%
Ukraine	853	498	398	380	284	277	287	255	240	255	259	1.6%	0.4%
United Kingdom	1775	1791	1777	1757	1798	1752	1750	1735	1705	1675	1675	-0.1%	2.2%
Uzbekistan	182	163	145	134	148	135	141	143	128	131	133	1.5%	0.2%
Other Europe & Eurasia	521	438	381	382	391	432	445	437	427	446	450	1.0%	0.6%
Total Europe & Eurasia	22007	20535	19756	19644	19404	19582	19721	19630	19410	19539	19406	-0.6%	26.3%
Iran	1017	1044	1099	1204	1248	1221	1160	1192	1158	1127	1115	-1.5%	1.5%
Kuwait	110	102	124	130	126	139	180	202	202	206	210	1.8%	0.3%
Qatar	17	17	19	21	23	25	26	24	25	30	44	47.4%	0.1%
Saudi Arabia	1095	1116	1160	1123	1163	1199	1267	1306	1333	1347	1363	1.1%	1.8%
United Arab Emirates	326	335	353	349	346	345	282	266	243	245	248	0.9%	0.4%
Other Middle East	1005	1090	1135	1202	1207	1261	1292	1314	1358	1353	1359	0.3%	1.9%
Total Middle East	3571	3704	3891	4028	4112	4189	4207	4304	4320	4309	4338	0.5%	5.9%
Algeria	211	210	204	198	187	187	194	187	192	208	224	8.4%	0.3%
Egypt	457	438	437	474	501	531	559	573	564	548	550	-0.1%	0.7%
South Africa	369	383	401	427	437	445	451	462	475	488	501	2.7%	0.7%
Other Africa	1007	1042	1088	1098	1114	1143	1179	1216	1220	1237	1253	1.2%	1.7%
Total Africa	2044	2074	2130	2197	2239	2305	2383	2439	2451	2481	2527	1.8%	3.4%
Australia	679	720	753	781	794	823	825	843	837	845	846	-0.4%	1.1%
Bangladesh	38	43	45	59	60	69	76	68	67	69	71	2.0%	0.1%
China	2662	2913	3145	3390	3672	3935	4047	4416	4985	5030	5362	5.8%	7.0%
China Hong Kong SAR	167	174	185	198	194	192	184	193	201	243	272	11.8%	0.4%
India	1296	1313	1413	1533	1663	1753	1835	2016	2067	2066	2090	1.0%	2.8%
Indonesia	729	782	774	820	888	963	914	980	1053	1090	1072	-1.7%	1.5%
Japan	5521	5440	5745	5784	5812	5761	5525	5618	5576	5434	5337	-2.0%	6.9%
Malaysia	296	330	372	381	405	431	407	439	441	448	489	9.1%	0.6%
New Zealand	111	112	121	125	127	131	131	134	135	138	145	5.6%	0.2%
Pakistan	249	272	291	315	329	339	350	363	373	366	359	-2.5%	0.5%
Philippines	278	290	306	344	360	389	392	375	348	347	333	-5.2%	0.4%
Singapore	474	516	590	617	586	630	651	619	654	716	699	-2.6%	1.0%
South Korea	1518	1675	1840	2009	2144	2373	2030	2178	2229	2235	2288	1.8%	3.0%
Taiwan	583	620	665	713	717	741	766	820	816	819	817	-1.0%	1.1%
Thailand	489	556	617	717	776	785	736	734	725	701	746	6.7%	1.0%
Other Asia Pacific	260	282	294	310	344	368	383	401	432	451	474	5.1%	0.6%
Total Asia Pacific	15350	16038	17155	18094	18868	19680	19250	20198	20939	21000	21399	1.5%	28.1%
TOTAL WORLD	66974	66653	68054	69160	70658	72485	72839	74485	75254	75453	75747	0.1%	100.0%
of which: European Union 15	12726	12646	12654	12816	13049	13186	13422	13465	13371	13535	13409	-0.9%	18.0%
OECD	42503	42822	44012	44383	45556	46409	46513	47420	47611	47608	47457	-0.6%	61.9%
Former Soviet Union	6969	5536	4744	4357	3779	3751	3632	3564	3423	3363	3381	0.6%	4.8%
Other EMEs	17502	18295	19298	20420	21323	22325	22694	23501	24220	24482	24908	1.5%	33.3%

*Inland demand plus international aviation and marine bunkers and refinery fuel and loss.

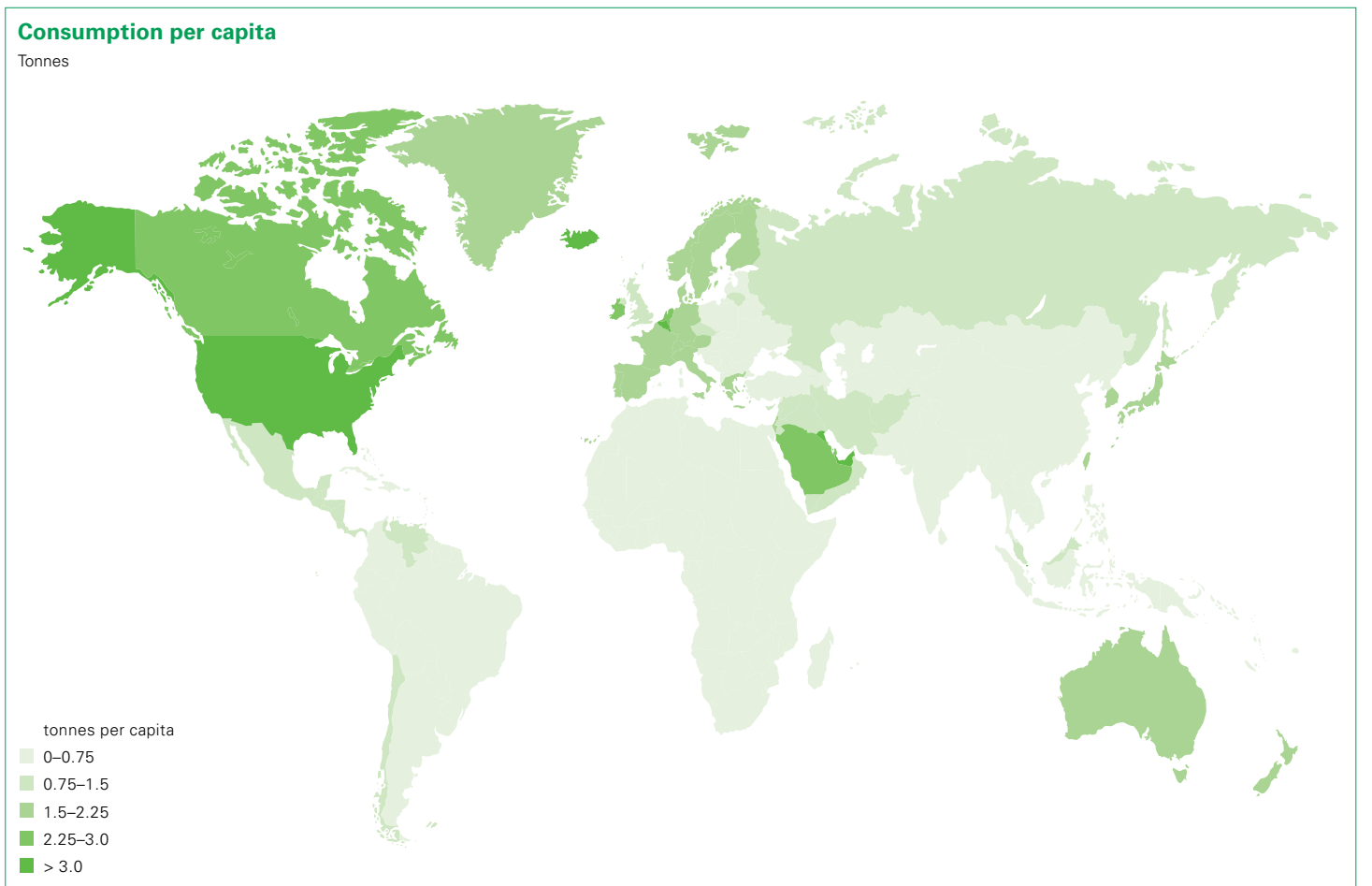
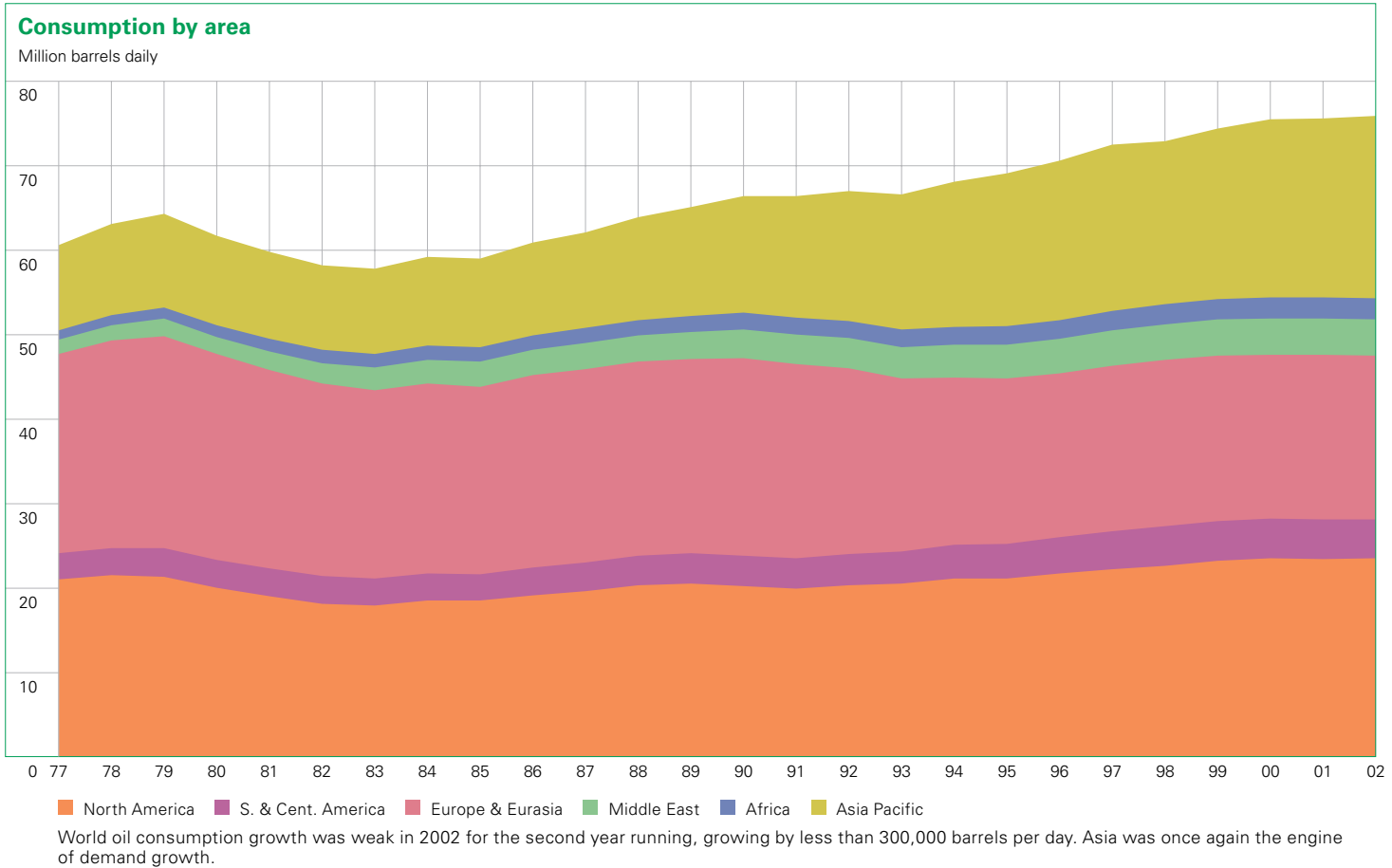
*Less than 0.05%.

Note: Differences between these world consumption figures and world production statistics on page 6 are accounted for by stock changes, consumption of non-petroleum additives and substitute fuels, and unavoidable disparities in the definition, measurement or conversion of oil supply and demand data. Annual changes and shares of total are calculated using million tonnes per annum figures rather than thousand barrels daily. The US volumetric consumption levels include no adjustment for processing gain (see 'Definitions' on the inside back cover).

Oil

Consumption*

Million tonnes	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
USA	782.2	789.3	809.8	807.7	836.5	848.0	863.8	888.9	897.6	896.1	894.3	-0.2%	25.4%
Canada	76.8	77.1	78.4	79.8	82.1	85.2	86.7	87.2	88.1	88.7	89.7	1.1%	2.5%
Mexico	71.2	71.0	77.8	71.4	73.8	77.3	81.2	80.8	84.1	83.4	80.9	-3.0%	2.3%
Total North America	930.2	937.4	966.0	958.9	992.4	1010.5	1031.7	1056.9	1069.8	1068.2	1064.9	-0.3%	30.2%
Argentina	19.6	19.6	19.4	19.5	20.4	21.2	22.1	21.0	20.3	19.0	16.8	-11.7%	0.5%
Brazil	62.1	62.9	65.7	69.2	74.1	79.9	83.2	85.7	85.8	87.5	85.4	-2.4%	2.4%
Chile	7.4	8.0	8.8	9.7	10.6	11.2	11.4	11.6	10.9	10.6	10.8	1.9%	0.3%
Colombia	10.6	10.8	11.1	11.8	12.2	12.3	12.0	10.6	10.5	11.1	10.0	-9.6%	0.3%
Ecuador	4.6	4.8	5.2	5.1	5.7	6.5	6.6	6.0	5.8	5.9	5.9	-0.9%	0.2%
Peru	5.6	5.9	6.4	7.2	7.4	7.3	7.4	7.5	7.4	7.0	7.0	-0.4%	0.2%
Venezuela	19.7	19.4	19.6	20.0	19.0	20.4	21.6	21.3	22.5	22.2	22.9	3.2%	0.7%
Other S. & Cent. America	46.1	47.3	50.2	51.2	52.4	53.9	55.3	55.2	55.1	55.5	56.0	0.9%	1.6%
Total S. & Cent. America	175.7	178.7	186.4	193.7	201.8	212.7	219.6	218.9	218.3	218.8	214.8	-1.9%	6.1%
Austria	11.3	11.4	11.3	11.3	11.6	11.9	12.3	12.1	11.8	12.8	13.0	1.2%	0.4%
Azerbaijan	8.1	8.2	8.1	8.5	7.0	6.0	7.5	7.4	6.2	3.7	3.6	-1.9%	0.1%
Belarus	21.2	14.0	12.8	12.3	9.3	9.6	8.3	7.0	6.6	5.9	5.8	-0.9%	0.2%
Belgium & Luxembourg	27.1	26.5	27.0	26.4	29.4	30.3	31.6	32.4	33.9	32.2	32.9	2.2%	0.9%
Bulgaria	6.0	6.2	5.8	5.6	5.5	4.4	4.8	4.5	3.9	4.0	4.2	3.8%	0.1%
Czech Republic	6.8	6.9	7.1	8.0	8.4	8.0	8.3	8.2	7.9	8.3	8.2	-2.0%	0.2%
Denmark	9.0	9.5	10.1	10.5	11.4	11.1	10.7	10.6	10.4	9.8	9.8	-0.2%	0.3%
Finland	10.3	9.9	10.4	9.9	10.3	10.2	10.5	10.7	10.7	10.5	10.9	3.4%	0.3%
France	94.4	91.1	88.2	89.0	91.0	91.7	95.0	96.4	94.9	95.5	92.8	-2.7%	2.6%
Germany	134.3	136.3	135.1	135.1	137.4	136.5	136.6	132.4	129.8	131.6	127.2	-3.3%	3.6%
Greece	16.1	16.7	16.9	17.6	18.2	18.4	18.2	18.7	19.9	21.7	21.8	0.2%	0.6%
Hungary	8.1	7.7	8.1	7.7	7.1	7.1	7.4	7.1	6.8	6.7	6.4	-4.0%	0.2%
Iceland	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	2.4%	♦
Republic of Ireland	5.1	5.1	5.6	5.7	6.0	6.6	7.4	8.3	8.2	9.0	8.7	-3.5%	0.2%
Italy	94.5	92.6	92.5	95.5	94.2	94.6	94.7	94.4	93.5	92.8	92.9	0.1%	2.6%
Kazakhstan	20.3	15.7	12.3	12.0	10.2	10.3	8.2	6.6	7.0	6.8	6.5	-5.0%	0.2%
Lithuania	4.5	3.9	3.6	3.2	3.3	3.3	3.8	3.1	2.4	2.7	2.7	-0.7%	0.1%
Netherlands	36.5	36.4	36.4	38.0	37.4	39.5	39.4	40.6	41.7	43.9	43.8	-0.4%	1.2%
Norway	9.0	9.5	9.6	9.6	10.1	10.3	10.0	10.1	9.4	9.7	9.4	-2.3%	0.3%
Poland	13.6	14.0	14.8	14.9	17.2	18.2	19.9	19.9	20.0	19.2	19.7	2.4%	0.6%
Portugal	12.8	12.0	12.0	12.9	12.1	13.7	15.1	15.4	14.9	14.6	14.9	1.5%	0.4%
Romania	12.7	12.1	11.2	13.5	13.0	13.7	12.0	9.5	10.0	10.6	10.9	2.8%	0.3%
Russian Federation	224.4	188.6	162.7	146.1	130.1	129.1	123.7	126.2	123.5	122.3	122.9	0.5%	3.5%
Slovakia	3.9	3.2	3.3	3.2	3.4	3.4	3.8	3.4	3.4	3.2	3.3	2.7%	0.1%
Spain	52.8	51.3	53.5	56.3	58.7	62.0	66.4	68.4	70.0	72.7	73.5	1.0%	2.1%
Sweden	16.4	16.1	17.0	16.1	17.4	16.1	16.2	16.1	15.2	15.2	15.0	-1.4%	0.4%
Switzerland	13.1	12.3	12.7	11.8	12.2	12.8	13.0	12.6	12.2	13.1	12.4	-5.2%	0.4%
Turkey	23.5	27.0	25.8	28.4	29.8	30.0	29.6	29.5	31.6	30.5	29.9	-1.8%	0.8%
Turkmenistan	4.9	3.2	3.7	3.9	3.0	3.0	2.8	2.5	2.3	2.4	2.6	8.3%	0.1%
Ukraine	42.6	24.8	19.8	18.9	14.2	13.8	14.3	12.7	12.0	12.7	12.9	1.6%	0.4%
United Kingdom	83.6	84.0	82.9	81.9	83.9	81.3	81.2	80.1	78.9	77.3	77.2	-0.1%	2.2%
Uzbekistan	9.1	8.1	7.2	6.7	7.4	6.7	7.0	7.1	6.4	6.5	6.6	1.5%	0.2%
Other Europe & Eurasia	25.8	21.6	18.7	18.7	19.2	21.0	21.7	21.4	20.8	21.7	21.9	1.0%	0.6%
Total Europe & Eurasia	1062.5	986.6	946.9	940.0	930.2	935.5	942.3	936.3	927.1	930.5	925.2	-0.6%	26.3%
Iran	50.0	50.9	53.4	58.4	60.6	59.0	55.9	57.3	56.1	54.0	53.2	-1.5%	1.5%
Kuwait	5.6	5.0	6.2	6.5	6.3	6.9	9.1	10.3	10.4	10.5	10.7	1.8%	0.3%
Qatar	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.1	1.2	1.4	2.0	47.4%	0.1%
Saudi Arabia	51.4	52.1	53.5	51.4	53.7	55.3	58.8	60.9	62.4	62.7	63.4	1.1%	1.8%
United Arab Emirates	16.9	17.2	18.2	18.0	18.0	17.8	14.4	13.5	12.2	12.3	12.4	0.9%	0.4%
Other Middle East	49.0	52.6	54.9	58.1	58.6	61.0	62.6	63.6	66.0	65.5	65.7	0.3%	1.9%
Total Middle East	173.7	178.6	187.1	193.4	198.3	201.1	202.0	206.7	208.3	206.4	207.4	0.5%	5.9%
Algeria	9.1	9.1	8.7	8.4	8.1	8.0	8.2	8.1	8.5	9.1	9.9	8.4%	0.3%
Egypt	22.7	21.6	21.5	23.3	24.6	26.0	27.3	27.8	27.2	26.1	26.1	-0.1%	0.7%
South Africa	17.3	18.0	18.8	20.1	20.7	21.0	21.3	21.8	22.5	23.0	23.6	2.7%	0.7%
Other Africa	47.9	49.4	51.6	51.9	52.7	53.9	55.7	57.4	57.7	58.3	59.0	1.2%	1.7%
Total Africa	97.0	98.1	100.6	103.7	106.1	108.9	112.5	115.1	115.9	116.5	118.6	1.8%	3.4%
Australia	30.9	32.7	34.0	35.3	35.9	37.0	37.0	38.0	37.7	38.1	38.0	-0.4%	1.1%
Bangladesh	1.8	2.1	2.2	2.9	2.9	3.3	3.7	3.3	3.3	3.3	3.4	2.0%	0.1%
China	129.0	140.5	149.5	160.7	174.4	185.6	190.3	207.2	230.1	232.2	245.7	5.8%	7.0%
China Hong Kong SAR	8.1	8.3	8.9	9.5	9.3	9.2	8.8	9.3	9.7	11.7	13.1	11.8%	0.4%
India	62.1	62.7	67.4	73.0	79.4	83.3	86.8	95.2	97.5	96.7	97.7	1.0%	2.8%
Indonesia	35.1	37.6	37.0	39.1	42.4	45.9	43.5	46.8	50.4	52.1	51.2	-1.7%	1.5%
Japan	257.5	251.9	267.4	267.6	268.8	265.0	253.6	257.3	255.4	247.5	242.6	-2.0%	6.9%
Malaysia	14.0	15.6	17.4	17.9	19.0	20.2	19.0	20.3	20.4	20.6	22.5	9.1%	0.6%
New Zealand	5.2	5.2	5.6	5.8	5.9	6.1	6.1	6.3	6.3	6.4	6.8	5.6%	0.2%
Pakistan	12.4	13.5	14.5	15.8	16.6	17.0	17.6	18.2	18.8	18.4	17.9	-2.5%	0.5%
Philippines	13.7	14.1	14.9	16.8	17.5	18.8	19.1	18.0	16.6	16.5	15.6	-5.2%	0.4%
Singapore	24.7	26.7	30.6	32.0	30.3	32.4	33.3	31.6	33.5	36.4	35.5	-2.6%	1.0%
South Korea	72.3	79.3	87.0	94.8	101.4	111.4	93.9	100.7	103.2	103.1	105.0	1.8%	3.0%
Taiwan	28.4	30.2	32.3	34.7	34.8	36.0	37.2	39.9	39.8	39.2	38.8	-1.0%	1.1%
Thailand	23.6	26.8	29.8	34.7	37.5	37.8	35.4	35.4	34.8	33.1	35.3	6.7%	1.0%
Other Asia Pacific	12.5	13.5	14.0	14.7	16.4	17.5	18.3	19.0	20.6	21.4	22.5	5.1%	0.6%
Total Asia Pacific	731.3	760.7	812.5	855.3	892.5	926.5	903.6	946.5	978.1	976.7	991.6	1.5%	28.1%
TOTAL WORLD	3170.4	3140.1	3199.5	3245.0	3321.3	3395.2	3411.7	3480.4	3517.5	3517.1	3522.5	0.1%	100.0%
of which: European Union 15	604.2	598.9	598.9	606.2	619.0	623.9	635.3	636.6	633.8	639.6	634.4	-0.9%	18.0%
OECD	1979.0	1986.7	2041.0	2053.0	2112.4	2144.6	2150.5	2187.5	2198.4	2194.5	2181.9	-0.6%	61.9%
Former Soviet Union	348.0	275.7	236.2	217.0	188.7	186.7	180.8	177.4	170.8	167.4	168.3	0.6%	4.8%
Other EMEs													



Regional consumption – by product group

Thousand barrels daily	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
North America													
Gasolines	8833	8975	9100	9235	9389	9560	9849	9998	10106	10211	10553	3.4%	44.9%
Middle distillates	5449	5600	5895	5935	6194	6398	6450	6628	6811	6812	6643	-2.5%	28.3%
Fuel oil	1619	1571	1571	1336	1348	1351	1506	1415	1518	1411	1161	-17.8%	4.9%
Others	4378	4352	4579	4555	4805	4882	4788	5169	5037	5007	5130	2.5%	21.9%
Total North America	20279	20498	21145	21061	21736	22191	22593	23210	23473	23441	23487	0.2%	100.0%
of which: USA													
Gasolines	7670	7792	7880	8025	8167	8324	8579	8716	8813	8890	9181	3.3%	46.6%
Middle distillates	4711	4844	5084	5132	5342	5502	5545	5700	5852	5884	5722	-2.7%	29.0%
Fuel oil	1079	1062	1003	835	831	777	869	814	893	794	635	-20.0%	3.2%
Others	3573	3539	3751	3733	3969	4017	3924	4290	4143	4082	4170	2.2%	21.2%
Total USA	17033	17236	17719	17725	18309	18621	18917	19519	19701	19649	19708	0.3%	100.0%
S. & Cent. America													
Gasolines	983	1025	1105	1149	1187	1257	1274	1387	1273	1237	1201	-2.9%	26.2%
Middle distillates	1276	1312	1398	1476	1538	1625	1700	1684	1680	1700	1701	*	37.1%
Fuel oil	682	697	721	734	768	827	850	740	789	747	736	-1.6%	16.0%
Others	783	770	752	777	807	831	859	896	919	999	953	-4.6%	20.7%
Total S. & Cent. America	3723	3804	3977	4136	4300	4539	4683	4705	4662	4684	4590	-2.0%	100.0%
Europe													
Gasolines	4213	4136	4122	4194	4220	4271	4309	4322	4209	4127	4023	-2.5%	25.1%
Middle distillates	5809	5871	5883	6045	6356	6421	6630	6700	6740	6958	6892	-0.9%	43.0%
Fuel oil	2385	2353	2280	2283	2260	2206	2194	2096	1975	1983	2030	2.4%	12.7%
Others	2631	2639	2727	2766	2790	2933	2956	2947	3063	3107	3080	-0.9%	19.2%
Total Europe	15038	15000	15012	15287	15626	15831	16090	16065	15987	16176	16025	-0.9%	100.0%
Middle East													
Gasolines	616	635	708	762	773	812	828	842	846	849	904	6.5%	20.8%
Middle distillates	1169	1235	1336	1435	1466	1463	1458	1485	1499	1535	1554	1.2%	35.8%
Fuel oil	1167	1142	1170	1187	1208	1233	1219	1265	1264	1221	1150	-5.9%	26.5%
Others	620	691	678	645	664	681	702	712	710	703	730	3.9%	16.9%
Total Middle East	3571	3704	3891	4028	4112	4189	4207	4304	4320	4309	4338	0.7%	100.0%
Africa													
Gasolines	516	527	539	554	552	559	568	574	578	589	597	1.3%	23.6%
Middle distillates	795	818	840	866	894	920	950	985	1009	1029	1057	2.7%	41.8%
Fuel oil	424	412	416	435	446	466	491	494	470	450	446	-0.9%	17.7%
Others	308	317	334	342	347	360	374	385	394	412	427	3.6%	16.9%
Total Africa	2044	2074	2130	2197	2239	2305	2383	2439	2451	2481	2527	1.9%	100.0%
Asia Pacific incl. China and Japan													
Gasolines	3540	3731	4013	4317	4549	4973	5018	5309	5549	5610	5868	4.6%	27.4%
Middle distillates	5619	6014	6262	6724	7160	7430	7186	7595	7792	7962	8054	1.1%	37.6%
Fuel oil	3637	3622	3892	3857	3795	3829	3564	3549	3505	3339	3144	-5.9%	14.7%
Others	2553	2671	2988	3196	3364	3447	3483	3745	4092	4088	4333	6.0%	20.3%
Total Asia Pacific	15350	16038	17155	18094	18868	19680	19250	20198	20939	21000	21399	1.9%	100.0%
China													
Gasolines	711	804	848	904	986	1111	1098	1164	1313	1252	1387	10.8%	25.9%
Middle distillates	790	898	878	997	1080	1202	1277	1455	1633	1709	1786	4.5%	33.3%
Fuel oil	674	725	665	669	719	750	725	694	725	728	631	-13.3%	11.8%
Others	488	486	755	819	888	871	946	1103	1314	1342	1558	16.1%	29.0%
Total China	2662	2913	3145	3390	3672	3935	4047	4416	4985	5030	5362	6.6%	100.0%
Japan													
Gasolines	1338	1355	1442	1548	1576	1646	1611	1702	1735	1720	1758	2.2%	32.9%
Middle distillates	1824	1853	1905	1971	2027	1991	1949	1978	1958	1957	1912	-2.3%	35.8%
Fuel oil	1264	1112	1292	1135	1067	977	879	861	804	690	647	-6.3%	12.1%
Others	1095	1120	1105	1129	1142	1147	1085	1077	1079	1066	1020	-4.3%	19.2%
Total Japan	5521	5440	5745	5784	5812	5761	5525	5618	5576	5434	5337	-1.8%	100.0%
World excl. Former Soviet Union													
Gasolines	18700	19029	19587	20211	20670	21433	21847	22433	22562	22623	23145	2.3%	32.0%
Middle distillates	20117	20850	21614	22480	23607	24257	24374	25076	25531	25997	25900	-0.4%	35.8%
Fuel oil	9915	9797	10051	9832	9824	9911	9825	9559	9521	9152	8666	-5.3%	12.0%
Others	11273	11441	12058	12280	12778	13134	13161	13853	14216	14317	14654	2.4%	20.2%
Total World excl. Former Soviet Union	60005	61117	63310	64803	66879	68735	69207	70921	71831	72090	72365	0.4%	100.0%
European Union 15													
Gasolines	3620	3562	3512	3550	3559	3590	3607	3622	3545	3486	3395	-2.6%	25.3%
Middle distillates	4978	5033	5051	5179	5440	5514	5677	5761	5822	6005	5955	-0.8%	44.4%
Fuel oil	1887	1841	1797	1791	1755	1703	1736	1663	1557	1543	1602	3.8%	11.9%
Others	2241	2211	2294	2296	2295	2379	2402	2419	2447	2500	2458	-1.7%	18.4%
Total European Union 15	12726	12646	12654	12816	13049	13186	13422	13465	13371	13535	13409	-0.9%	100.0%
OECD													
Gasolines	14961	15124	15379	15721	15968	16415	16728	17028	17070	17088	17408	1.9%	36.7%
Middle distillates	13647	13973	14414	14777	15468	15738	15751	16110	16274	16491	16229	-1.6%	34.2%
Fuel oil	5539	5324	5505	5115	5036	4904	4831	4671	4641	4408	4137	-6.2%	8.7%
Others	8357	8401	8714	8769	9084	9353	9203	9611	9626	9621	9684	0.7%	20.4%
Total OECD	42503	42822	44012	44383	45556	46409	46513	47420	47611	47608	47457	-0.3%	100.0%
Other EMEs													
Gasolines	3739	3905	4209	4490	4702	5018	5119	5405	5492	5535	5738	3.7%	23.0%
Middle distillates	6470	6878	7200	7703	8139	8519	8623	8967	9257	9507	9671	1.7%	38.8%
Fuel oil	4376	4472	4546	4716	4788	5008	4994	4888	4880	4744	4529	-4.5%	18.2%
Others	2917	3040	3344	3510	3694	3781	3958	4242	4590	4696	4970	5.8%	20.0%
Total Other EMEs†	17502	18295	19298	20420	21323	22325	22694	23501	24220	24482	24908	1.7%	100.0%

*Less than 0.05%.

†Excludes Former Soviet Union.

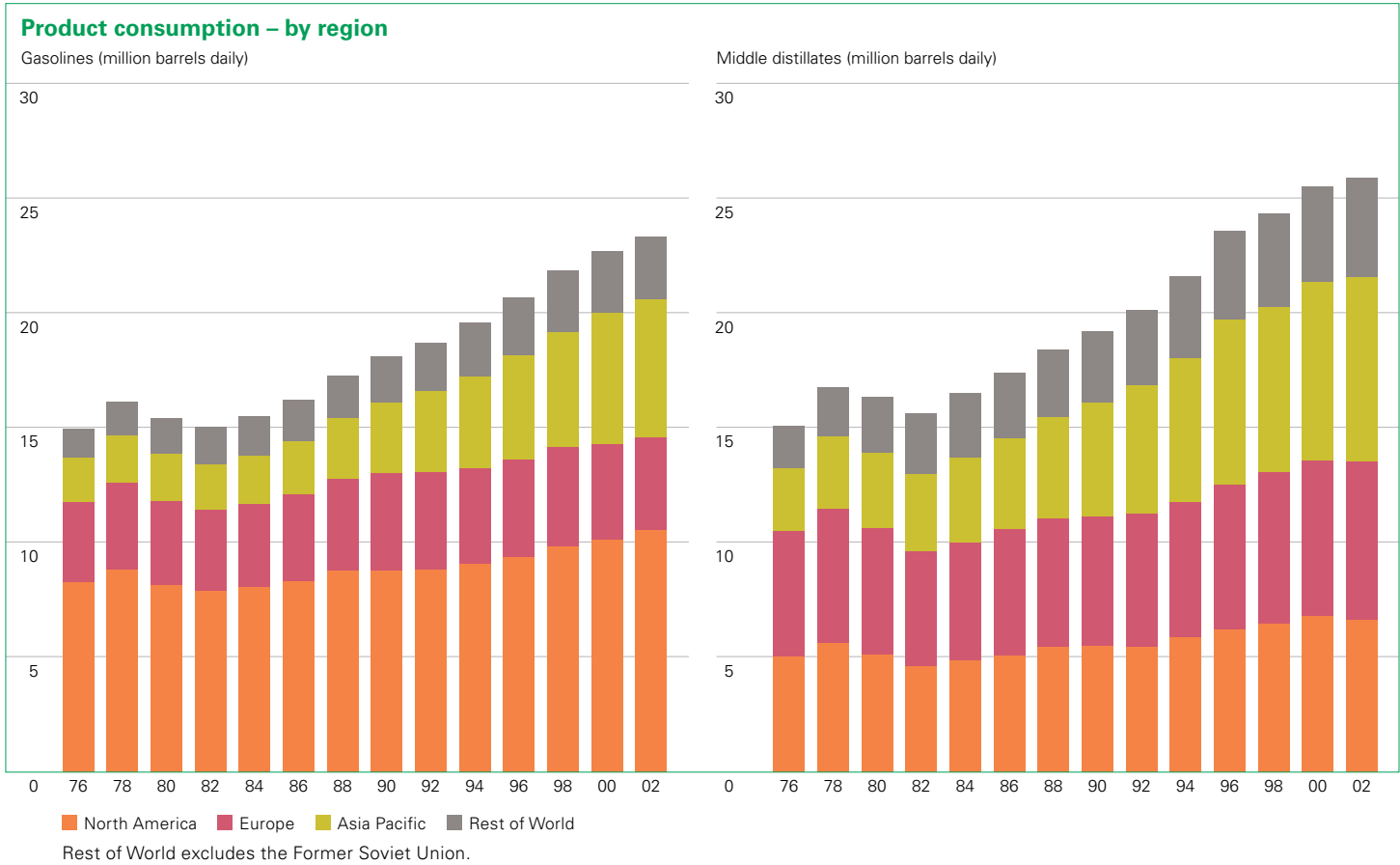
Notes: For the purposes of this table, annual changes and shares of total are calculated using thousand barrels daily figures.

'Gasolines' consists of aviation and motor gasolines and light distillate feedstock (LDF).

'Middle distillates' consists of jet and heating kerosenes, and gas and diesel oils (including marine bunkers).

'Fuel oil' includes marine bunkers and crude oil used directly as fuel.

'Others' consists of refinery gas, LPGs, solvents, petroleum coke, lubricants, bitumen, wax and refinery fuel and loss.



Middle distillates have registered the largest increment in consumption over the last 20 years, followed by gasolines and other oil. Fuel oil use fell sharply in 2002, breaking the pattern of flat consumption since the mid-1980s. The fastest growth in product demand has been in Asia Pacific.

Oil

Spot crude prices

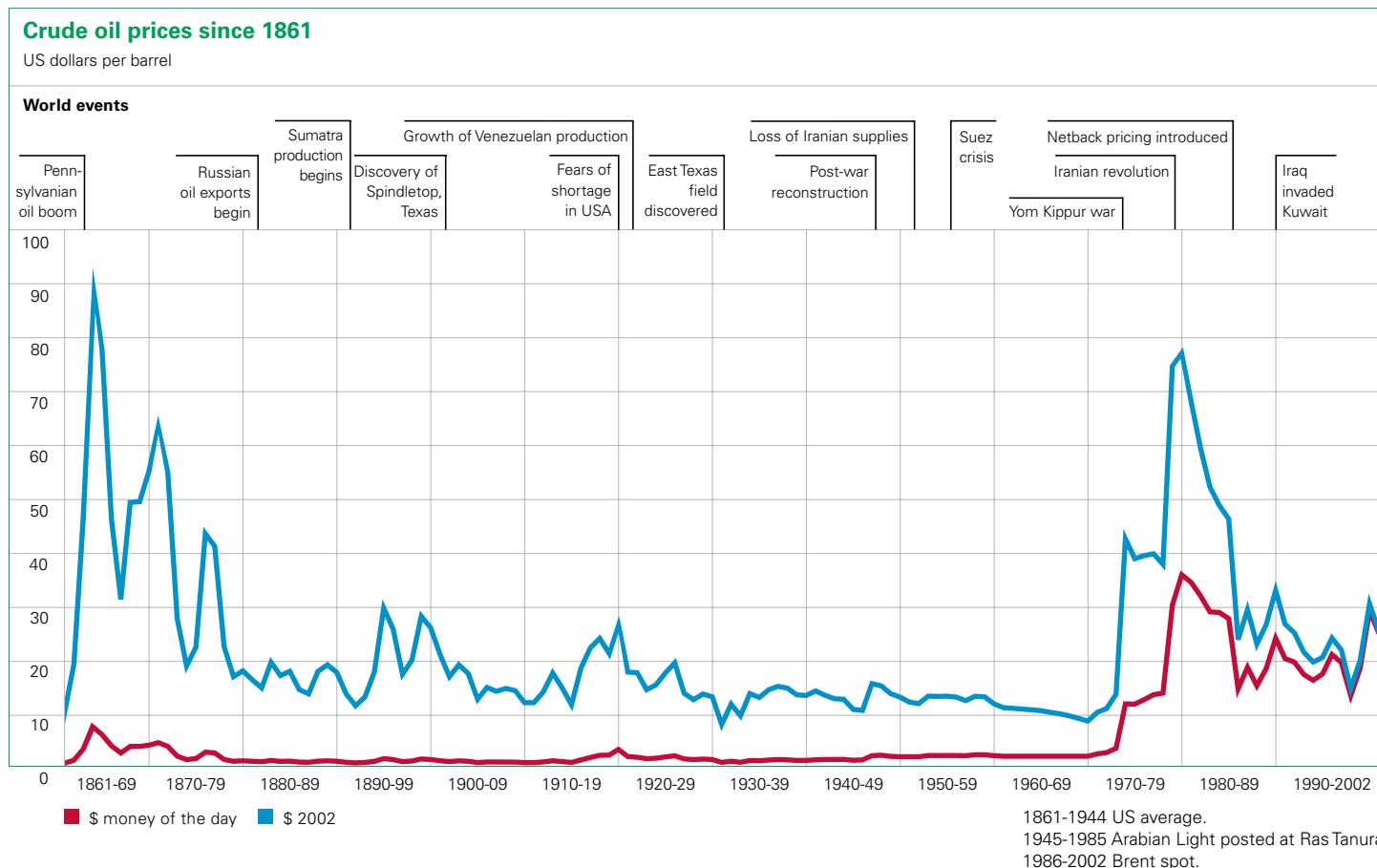
US dollars per barrel	Dubai \$/bbl*	Brent \$/bbl†	Nigerian Forcados \$/bbl	West Texas Intermediate \$/bbl‡
1972	1.90	—	—	—
1973	2.83	—	—	—
1974	10.41	—	—	—
1975	10.70	—	—	—
1976	11.63	12.80	12.87	12.23
1977	12.38	13.92	14.21	14.22
1978	13.03	14.02	13.65	14.55
1979	29.75	31.61	29.25	25.08
1980	35.69	36.83	36.98	37.96
1981	34.32	35.93	36.18	36.08
1982	31.80	32.97	33.29	33.65
1983	28.78	29.55	29.54	30.30
1984	28.06	28.66	28.14	29.39
1985	27.53	27.51	27.75	27.99
1986	13.01	14.38	14.45	15.04
1987	16.91	18.42	18.40	19.19
1988	13.20	14.96	14.99	15.97
1989	15.68	18.20	18.30	19.68
1990	20.50	23.84	23.85	24.50
1991	16.56	20.05	20.11	21.54
1992	17.21	19.37	19.61	20.57
1993	14.90	17.07	17.41	18.45
1994	14.76	15.98	16.25	17.21
1995	16.09	17.18	17.26	18.42
1996	18.56	20.80	21.16	22.16
1997	18.13	19.30	19.33	20.61
1998	12.16	13.11	12.62	14.39
1999	17.30	18.25	18.00	19.31
2000	26.24	28.98	28.42	30.37
2001	22.80	24.77	24.23	25.93
2002	23.85	25.19	25.04	26.16

*1972-1985 Arabian Light, 1986-2002 Dubai.

†1976-1984 Forties, 1985-2002 Brent.

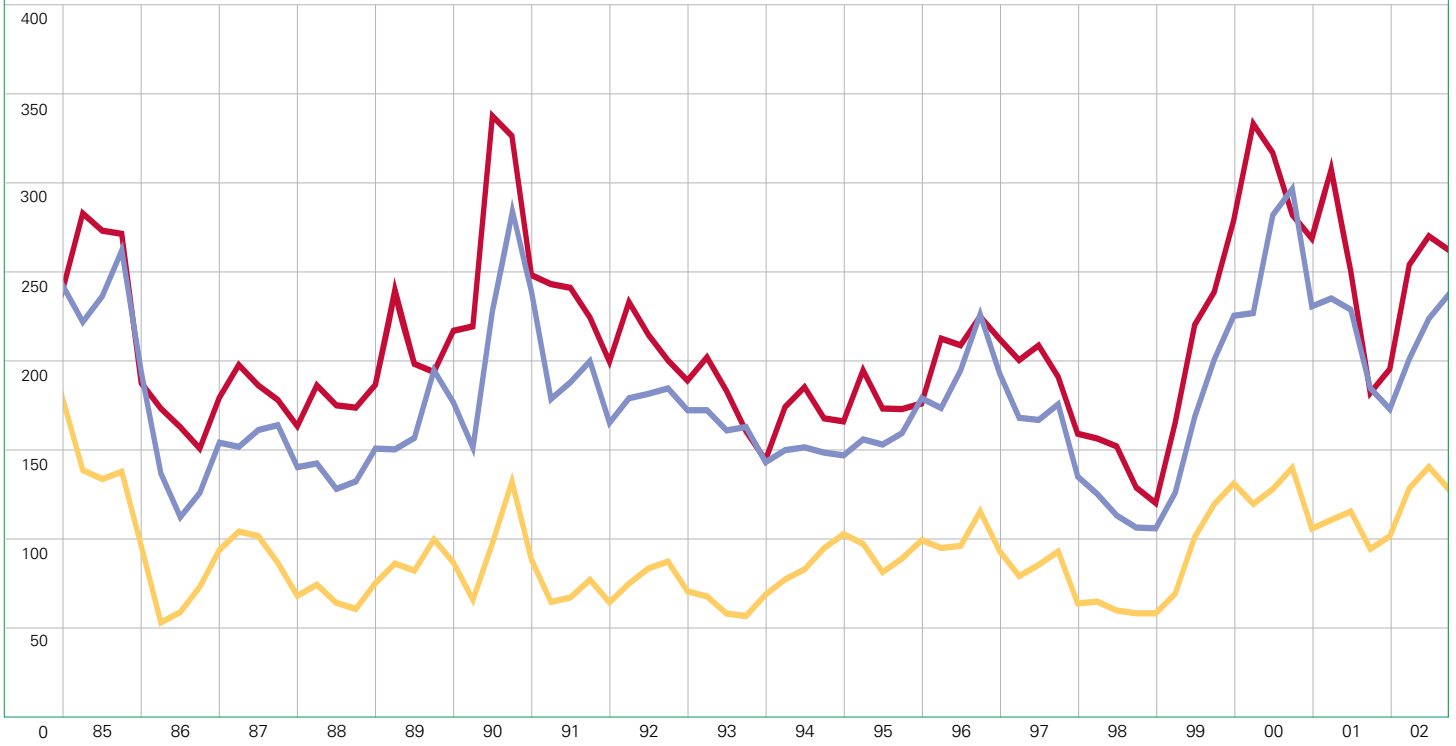
‡1976-1983 Posted WTI prices, 1984-2002 Spot WTI prices.

Source: Platt's.



Rotterdam product prices

US dollars per tonne

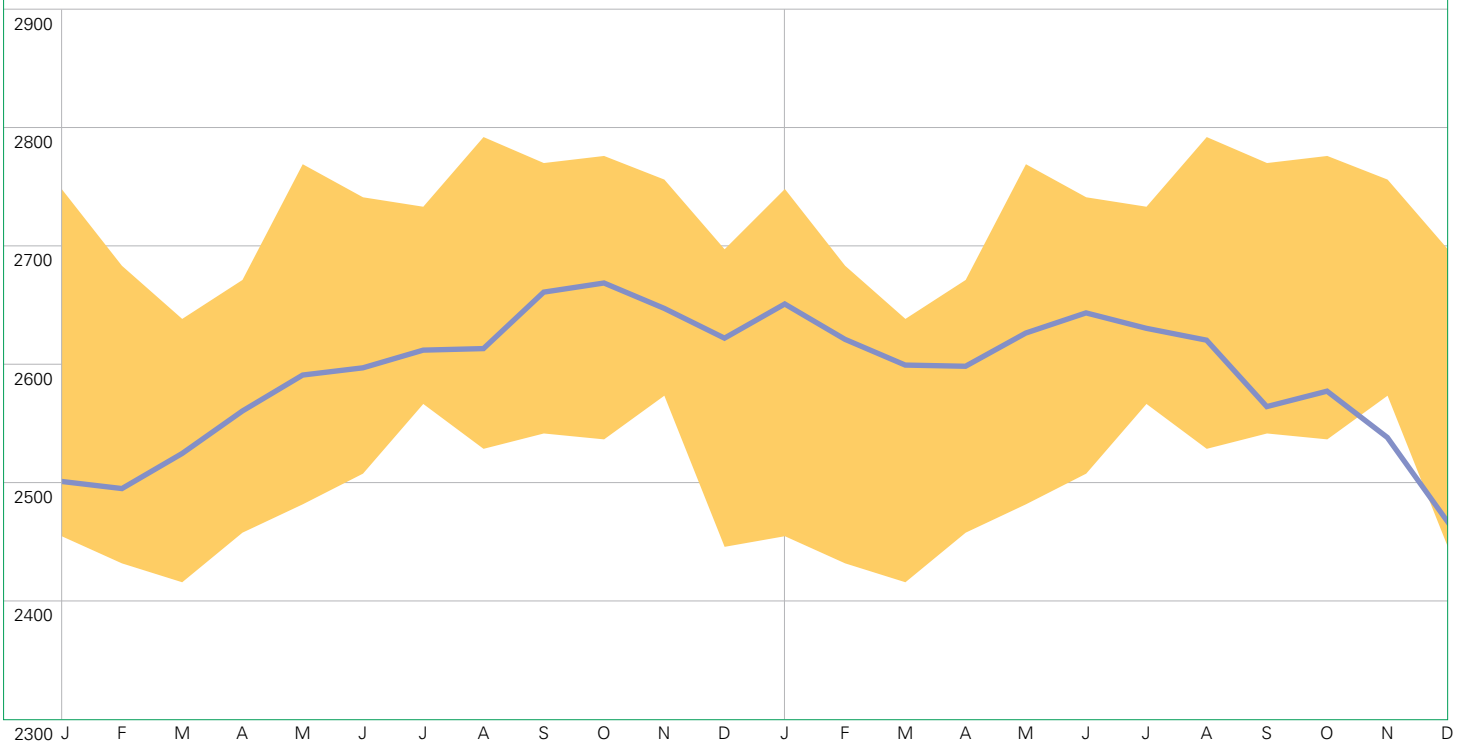


■ Gasoline ■ Gas oil ■ Heavy fuel oil
 1985 to 1st quarter 1992: leaded gasoline.
 From 2nd quarter 1992: unleaded gasoline.

Source: Platts.

OECD total commercial oil stocks

Million barrels



■ Jan 2001-Dec 2002 ■ 1997-2001 range

Source: © OECD/IEA, 2003.

Oil

Refinery capacities

Thousand barrels daily*	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
USA	15120	15030	15434	15333	15452	15711	16261	16512	16595	16785	16761	-0.1%	20.0%
Canada	1911	1824	1832	1792	1807	1811	1844	1861	1861	1917	1923	0.3%	2.3%
Mexico	1448	1444	1444	1444	1444	1449	1449	1449	1481	1481	1481	-	1.8%
Total North America	18479	18298	18710	18569	18703	18971	19554	19822	19937	20183	20165	-0.1%	24.0%
Argentina	694	688	663	648	651	653	650	650	657	657	657	-	0.8%
Brazil	1444	1429	1473	1481	1481	1739	1750	1845	1863	1823	1823	-	2.2%
Netherlands Antilles & Aruba	460	467	485	505	520	520	520	535	535	590	590	-	0.7%
Venezuela	1224	1181	1181	1181	1183	1183	1183	1183	1183	1183	1183	-	1.4%
Other S. & Cent. America	2250	2249	2224	2282	2264	2288	2192	2232	2240	2230	2285	2.5%	2.7%
Total S. & Cent. America	6072	6014	6026	6097	6099	6383	6295	6445	6478	6483	6538	0.8%	7.8%
Belgium	690	692	692	692	690	698	732	736	770	785	788	0.4%	0.9%
France	1711	1687	1697	1728	1749	1872	1918	1933	1984	1961	1987	1.3%	2.4%
Germany	2219	2248	2272	2104	2098	2170	2206	2240	2262	2274	2286	0.5%	2.7%
Greece	367	295	385	403	403	403	403	403	403	412	412	-	0.5%
Italy	2433	2360	2272	2272	2256	2241	2269	2292	2292	2292	2292	-	2.7%
Netherlands	1254	1197	1197	1197	1169	1196	1196	1212	1212	1233	1233	-	1.5%
Norway	288	288	288	298	308	308	310	323	318	307	310	1.0%	0.4%
Russian Federation	6611	6611	6671	6273	6284	6119	5793	5645	5597	5545	5553	0.1%	6.6%
Spain	1232	1245	1205	1215	1232	1265	1247	1247	1247	1247	1247	-	1.5%
Sweden	421	422	422	422	421	422	422	422	422	422	422	-	0.5%
Turkey	671	673	673	673	671	673	643	643	643	643	643	-	0.8%
United Kingdom	1837	1844	1866	1844	1873	1823	1848	1777	1778	1769	1785	0.9%	2.1%
Other Europe and Eurasia	7076	7054	6940	6804	6660	6525	6420	6246	6161	6201	6341	2.3%	7.6%
Total Europe & Eurasia	26810	26616	26580	25925	25814	25715	25407	25119	25089	25091	25299	0.8%	30.2%
Iran	957	1092	1092	1235	1330	1378	1448	1450	1450	1474	1474	-	1.8%
Iraq	584	634	634	634	634	634	634	634	639	644	644	-	0.8%
Kuwait	380	455	720	795	825	880	895	895	690	745	770	3.4%	0.9%
Saudi Arabia	1550	1550	1670	1670	1670	1693	1780	1811	1811	1816	1816	-	2.2%
United Arab Emirates	202	215	220	220	250	298	235	290	440	674	711	5.5%	0.8%
Other Middle East	1136	1137	1151	1153	1172	1164	1169	1175	1173	1164	1254	7.7%	1.5%
Total Middle East	4809	5083	5487	5707	5881	6047	6161	6255	6203	6517	6669	2.3%	7.9%
Total Africa	2819	2915	2847	2927	3004	2945	2898	2998	3049	3218	3303	2.6%	3.9%
Australasia	782	791	796	818	848	890	916	919	919	926	926	-	1.1%
China	3044	3334	3567	4014	4226	4559	4592	5401	5407	5643	5744	1.8%	6.8%
India	1041	1069	1072	1133	1210	1236	1356	2190	2219	2261	2289	1.2%	2.7%
Indonesia	867	867	932	992	992	1022	1098	1120	1116	1116	1116	-	1.3%
Japan	4636	4802	4862	5006	5006	5056	5088	5109	5029	4811	4721	-1.9%	5.6%
Singapore	1115	1160	1158	1273	1245	1246	1246	1246	1255	1255	1255	-	1.5%
South Korea	1370	1591	1615	1727	1917	2316	2316	2316	2316	2316	2316	-	2.8%
Taiwan	570	570	570	732	732	732	732	732	732	874	1159	32.6%	1.4%
Thailand	383	420	445	529	777	824	855	855	880	992	983	-0.9%	1.2%
Other Asia Pacific	835	846	950	1051	1064	1066	1193	1234	1310	1413	1417	0.3%	1.7%
Total Asia Pacific	14643	15450	15967	17275	18017	18947	19392	21122	21183	21607	21926	1.5%	26.1%
TOTAL WORLD	73632	74376	75617	76500	77518	79008	79707	81761	81939	83099	83900	1.0%	100.0%
of which: European Union 15	13090	12924	12982	12887	12921	13069	13237	13265	13382	13421	13478	0.4%	16.1%
OECD	40360	40412	40977	40999	41359	42289	43104	43443	43596	43661	43723	0.1%	52.1%
Former Soviet Union	10156	10156	10216	9688	9600	9329	8900	8674	8596	8514	8522	0.1%	10.2%
Other EMEs	23116	23808	24424	25813	26559	27390	27703	29644	29747	30924	31655	2.4%	37.7%

*Atmospheric distillation capacity on a calendar-day basis.

Source: Includes data from Parpinelli Tecnon.

Note: For the purposes of this table, annual changes and shares of total are calculated using thousand barrels daily figures.

Refinery throughputs

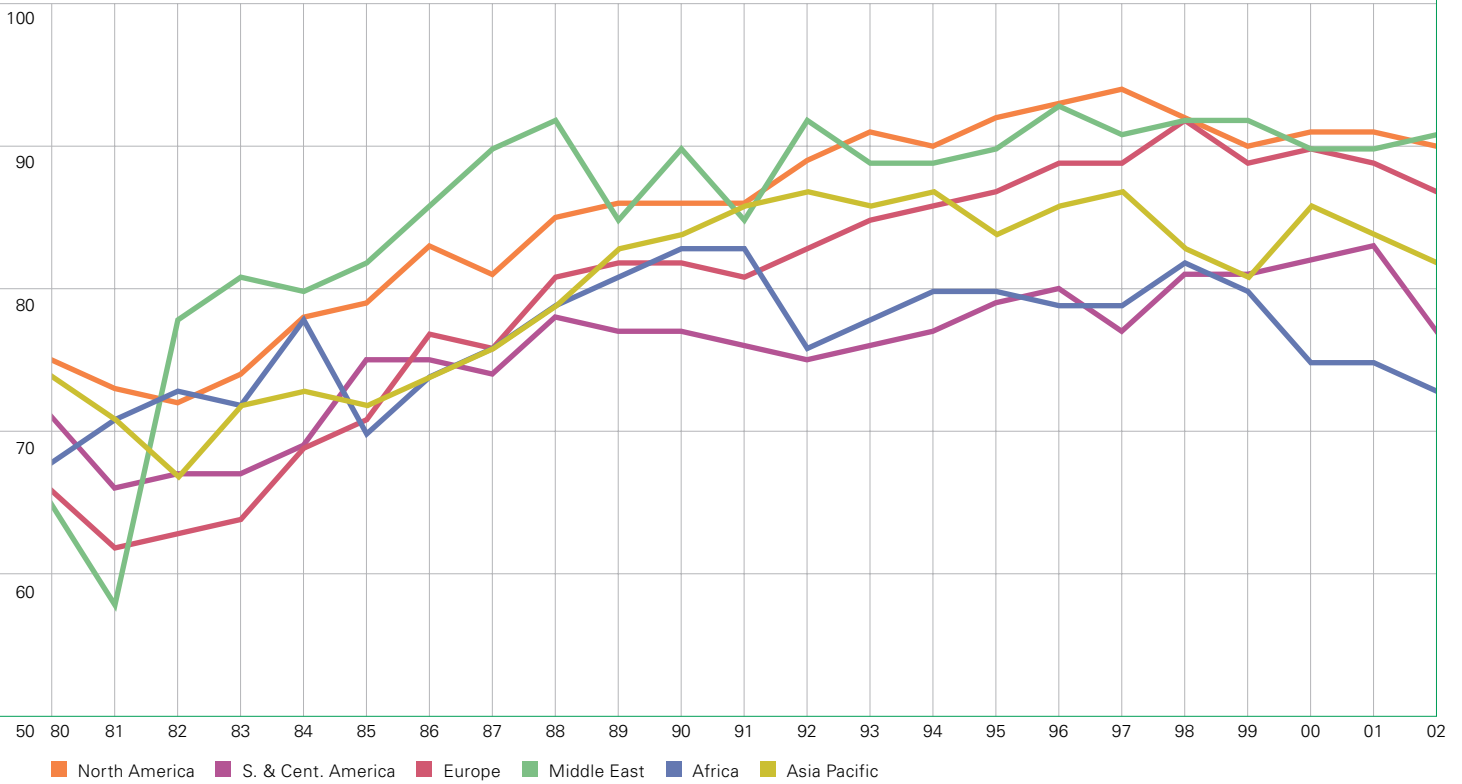
Thousand barrels daily	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
USA	13411	13613	13866	13973	14195	14662	14889	14804	15067	15128	14926	-1.3%	21.5%
Canada	1458	1539	1580	1569	1644	1694	1709	1714	1765	1812	1818	0.3%	2.6%
Mexico	1497	1540	1459	1488	1491	1438	1451	1389	1364	1398	1387	-0.8%	2.0%
S. & Cent. America	4533	4552	4621	4822	4887	4920	5124	5192	5335	5353	5063	-5.4%	7.3%
Europe & Eurasia	21047	19964	19290	19150	19164	19402	19599	19075	19336	19590	19653	0.3%	28.3%
Middle East	4441	4501	4865	5130	5477	5488	5657	5784	5584	5896	6068	2.9%	8.7%
Africa	2147	2262	2275	2350	2370	2318	2389	2405	2301	2404	2420	0.7%	3.5%
Australasia	747	756	787	788	844	872	865	881	881	878	822	-6.4%	1.2%
China	2426	2570	2548	2711	2850	3084	3060	3686	4218	4215	4409	4.6%	6.4%
Japan	3882	3982	4167	4169	4168	4319	4212	4149	4145	4107	3986	-2.9%	5.7%
Other Asia Pacific	5717	6051	6314	6822	7544	8183	8010	8309	8914	9054	8808	-2.7%	12.7%
TOTAL WORLD	61306	61330	61772	62972	64634	66380	66965	67388	68910	69835	69360	-0.7%	100.0%
of which: European Union 15	11794	11884	11950	11910	12184	12351	12828	12410	12528	12487	12294	-1.5%	17.7%
OECD	35667	36353	36927	37273	38185	39455	39936	39456	39855	39862	39040	-2.1%	56.3%
Former Soviet Union	7288	5977	5157	4950	4713	4761	4473	4458	4556	4847	5138	6.0%	7.4%
Other EMEs	18350	19001	19687	20750	21736	22164	22555	23474	24498	25126	25182	0.2%	36.3%

Note: For the purposes of this table, annual changes and shares of total are calculated using thousand barrels daily figures.

Source: Includes data from Parpinelli Tecnon.

Refinery utilization

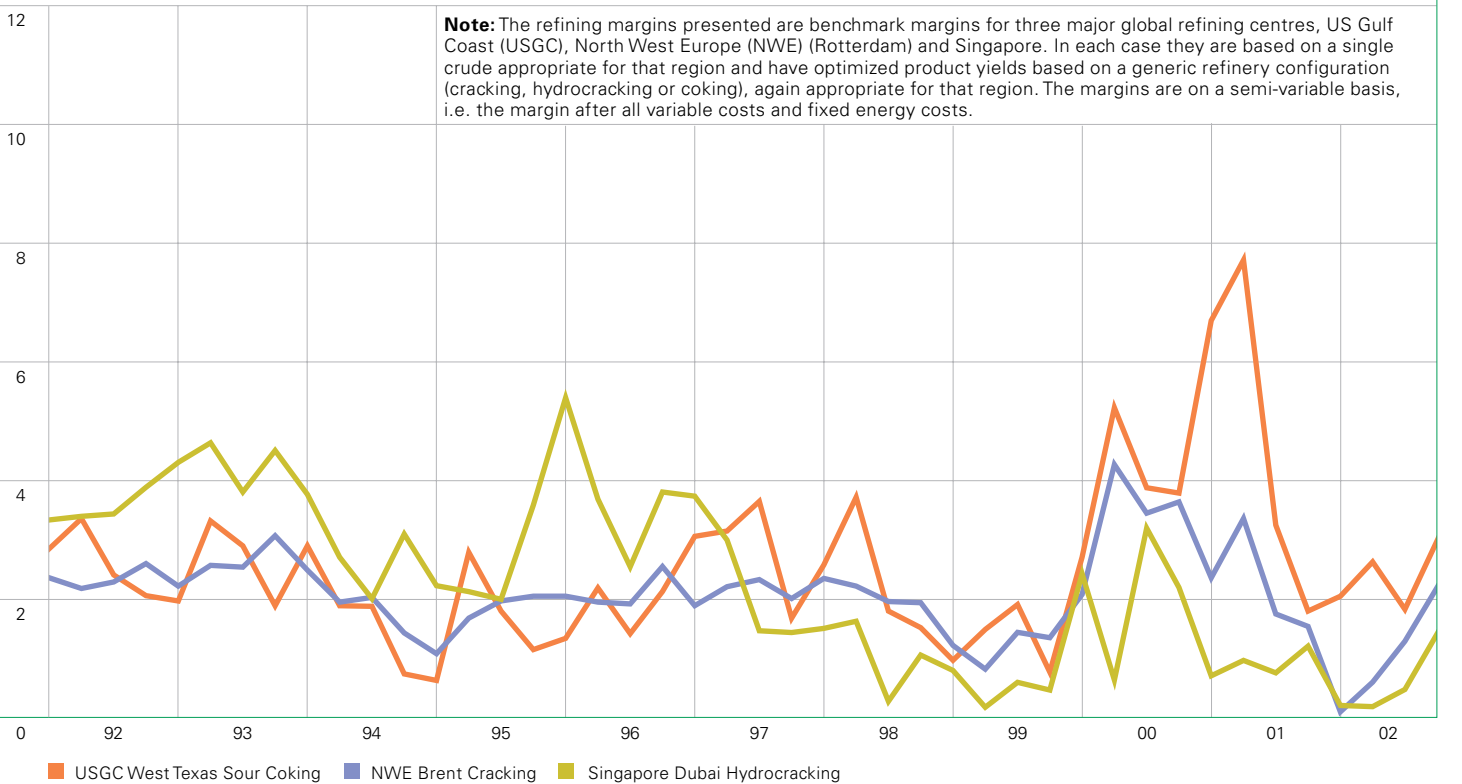
Percentage



Refinery capacity utilization for most regions peaked in the second half of the 1990s. Slower oil demand growth has meant falling utilization for most regions since then.

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 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.

Trade movements

Thousand barrels daily	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Change 2002 over 2001	2002 share of total
Imports													
USA	7888	8620	8929	8831	9400	9907	10382	10550	11092	11618	11357	-2.2%	26.0%
Europe†	10319	11083	10740	10436	10472	10421	11017	10670	11070	11531	11895	3.2%	27.3%
Japan	5306	5307	5612	5581	5685	5735	5259	5346	5329	5202	5070	-2.5%	11.6%
Rest of World*	9884	9753	10464	11562	12764	13721	13432	14157	14911	15401	15306	-0.6%	35.1%
TOTAL WORLD	33397	34763	35745	36410	38321	39784	40090	40723	42402	43752	43628	-0.3%	100.0%
Exports													
USA	918	959	943	949	978	976	1011	956	890	910	904	-0.7%	2.1%
Canada	1101	1215	1323	1402	1484	1492	1603	1520	1703	1804	1959	8.6%	4.5%
Mexico	1469	1434	1421	1422	1656	1767	1770	1739	1814	1882	1966	4.5%	4.5%
S. & Cent. America	2374	2391	2695	2797	3011	3219	3240	3145	3079	3143	2965	-5.7%	6.8%
Europe	n/a	1358	1634	1472	1540	1463	1344	1851	1967	1947	2234	14.7%	5.1%
Former Soviet Union#	2298	2436	2531	2731	3239	3413	3569	4019	4273	4679	5370	14.8%	12.3%
Middle East	15453	16456	16513	16651	17170	18184	18702	18341	18944	19098	18062	-5.4%	41.4%
North Africa	2849	2685	2652	2696	2756	2743	2712	2726	2732	2724	2620	-3.8%	6.0%
West Africa	2679	2676	2675	2723	2916	3102	3094	2985	3293	3182	3134	-1.5%	7.2%
Asia Pacific†	2414	2420	2517	2576	2790	2735	2490	2650	2767	2879	2863	-0.6%	6.6%
Rest of World*	1842	733	840	991	780	690	556	791	940	1506	1551	3.0%	3.5%
TOTAL WORLD	33397	34763	35744	36410	38320	39784	40091	40723	42402	43754	43628	-0.3%	100.0%

*Includes unidentified trade.

†Excludes Japan.

‡Prior to 1993, excludes Central Europe (Albania, Bulgaria, Czech Republic, Former Republic of Yugoslavia, Hungary, Poland, Romania, Slovakia).

n/a not available.

#Prior to 1993, includes Central Europe and excludes movements between Former Soviet Union and Central Europe.

Note: For the purposes of this table, annual changes and shares of total are calculated using thousand barrels daily figures.

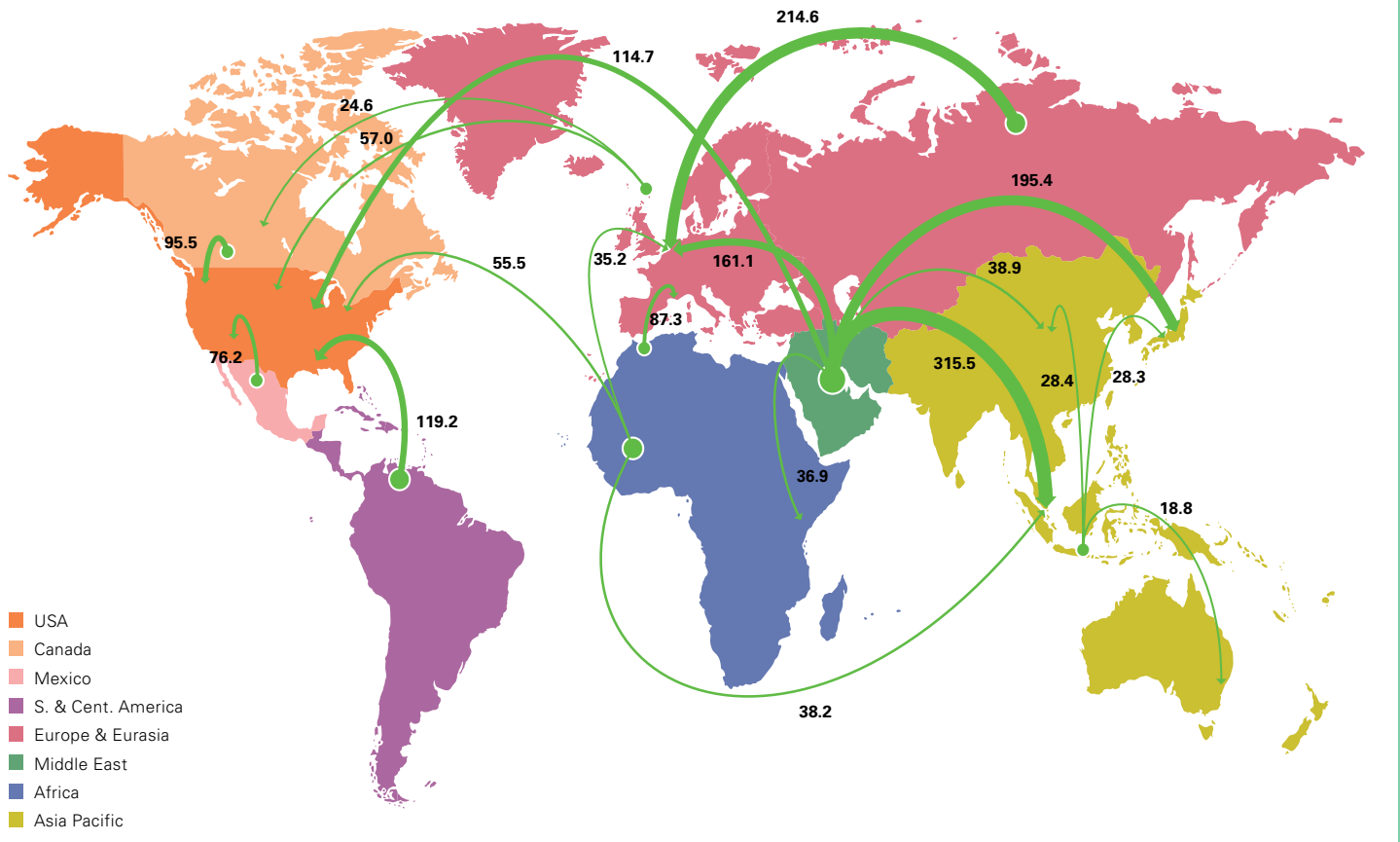
Inter-area movements 2002

Million tonnes	To												Total
	USA	Canada	Mexico	S. & C. America	Europe	Africa	Austral- asia	China	Japan	Other Asia Pacific	Rest of World	Uniden- tified*	
From													
USA	-	4.9	7.7	8.2	10.7	0.5	0.8	1.1	4.0	4.4	1.0	-	43.3
Canada	95.5	-	-	0.2	0.5	-	-	-	0.2	0.1	-	-	96.5
Mexico	76.2	1.2	-	7.8	9.7	-	-	-	0.6	2.0	0.2	-	97.7
S. & Cent. America	119.2	5.2	0.6	-	13.5	0.6	-	0.9	0.3	5.6	-	-	145.9
Europe	57.0	24.6	0.7	2.8	-	10.0	-	3.6	0.7	5.4	4.7	-	109.5
Former Soviet Union	9.8	-	-	7.4	214.6	0.5	-	8.1	1.2	10.4	2.3	10.0	264.3
Middle East	114.7	6.9	0.9	13.6	161.1	36.9	8.6	38.9	195.4	315.5	2.5	-	895.0
North Africa	13.6	5.1	1.7	4.5	87.3	4.0	-	0.3	3.6	5.7	3.2	-	129.0
West Africa	55.5	1.0	-	9.9	35.2	2.7	0.1	9.5	3.8	38.2	-	-	155.9
East & Southern Africa	-	-	-	-	-	-	-	6.4	1.5	0.8	-	-	8.7
Australasia	2.9	-	-	-	-	-	-	1.6	4.4	11.6	-	-	20.5
China	1.3	-	-	0.5	0.3	-	0.4	-	4.1	9.9	0.3	-	16.8
Japan	0.3	-	-	-	0.1	-	-	1.6	-	2.2	-	-	4.2
Other Asia Pacific	8.3	0.1	-	-	4.5	0.3	18.8	28.4	28.3	13.2	0.6	-	102.5
Unidentified*	6.7	2.5	-	-	49.9	-	1.0	-	2.4	0.3	-	-	62.8
TOTAL IMPORTS	561.0	51.5	11.6	54.9	587.4	55.5	29.7	100.4	250.5	425.3	14.8	10.0	2152.6
Thousand barrels daily													
From													
USA	-	102	161	171	224	10	17	23	84	92	21	-	904
Canada	1938	-	-	4	10	-	-	-	4	2	-	-	1959
Mexico	1532	24	-	158	195	-	-	-	12	40	4	-	1966
S. & Cent. America	2420	106	13	-	274	12	-	19	6	115	-	-	2965
Europe	1161	495	15	58	-	209	-	73	14	111	98	-	2234
Former Soviet Union	201	-	-	149	4349	10	-	166	24	214	47	209	5370
Middle East	2306	139	19	273	3241	747	173	785	3942	6385	52	-	18062
North Africa	283	103	36	90	1768	81	-	6	73	116	64	-	2620
West Africa	1117	20	-	199	708	54	2	191	77	767	-	-	3134
East & Southern Africa	-	-	-	-	-	-	-	129	30	16	-	-	175
Australasia	58	-	-	-	-	-	-	32	90	235	-	-	415
China	26	-	-	10	6	-	8	-	83	205	6	-	345
Japan	6	-	-	-	2	-	-	33	-	46	-	-	88
Other Asia Pacific	171	2	-	-	94	6	380	585	581	271	13	-	2103
Unidentified*	138	51	-	-	1023	-	21	-	50	6	-	-	1289
TOTAL IMPORTS	11357	1041	242	1113	11895	1131	601	2042	5070	8622	306	209	43628

*Includes changes in the quantity of oil in transit, movements not otherwise shown, unidentified military use etc.

Major trade movements

Trade flows worldwide (million tonnes)



Imports and exports 2002

	Million tonnes				Thousand barrels daily			
	Crude imports	Product imports	Crude exports	Product exports	Crude imports	Product imports	Crude exports	Product exports
USA	450.5	110.5	1.3	42.0	9047	2310	26	878
Canada	43.2	8.3	71.1	25.4	868	174	1428	531
Mexico	-	11.6	93.4	4.3	-	242	1876	90
S. & Cent. America	42.2	12.7	103.4	42.5	847	265	2076	888
Europe	467.4	120.0	67.1	42.4	9386	2508	1348	886
Former Soviet Union	-	5.5	188.7	75.6	-	115	3790	1580
Middle East	4.2	5.1	787.3	107.7	84	107	15811	2251
North Africa	8.3	6.0	93.1	35.9	167	125	1870	750
West Africa	2.9	8.3	151.5	4.4	58	174	3042	92
East & Southern Africa	24.7	5.3	8.4	0.3	496	111	169	6
Australasia	24.5	5.2	16.4	4.1	492	109	329	86
China	69.4	31.0	7.3	9.5	1394	648	147	199
Japan	202.2	48.3	-	4.2	4061	1010	-	88
Other Asia Pacific	327.2	98.1	48.3	54.2	6571	2051	970	1133
Unidentified*	-	10.0	29.4	33.4	-	209	590	698
TOTAL WORLD	1666.7	485.9	1666.7	485.9	33471	10157	33471	10157

*Includes changes in the quantity of oil in transit, movements not otherwise shown, unidentified military use etc.

Note: Bunkers are not included as exports. Intra-area movements (for example, between countries in Europe) are excluded.