

2014

A large, light gray silhouette of a world map is centered in the upper half of the cover, showing the outlines of all continents.

OPEC Annual Statistical Bulletin

Organization of the Petroleum Exporting Countries



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HE Abdalla Salem El-Badri, OPEC Secretary General

I am happy to present the 49th edition of the Annual Statistical Bulletin (ASB). This is one of OPEC's important publications. Since the very first edition was published in 1965, the ASB has become a useful and frequently cited reference tool for those working in the energy industry.

The overall aim of the ASB is to make reliable and timely historical data on the global oil and gas industry readily available to the general public. It thus functions as an important source of data for different stakeholders in the oil industry.

The ASB focuses on OPEC's 12 Member Countries — Algeria, Angola, Ecuador, the Islamic Republic of Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates and Venezuela. In addition, the ASB provides information and statistical data on non-OPEC oil producing countries, bringing together data on production, exports and imports, refineries, pipelines and shipping.

OPEC seeks to ensure stability in the world's oil markets. One way it achieves this is through its efforts to gather data about the many different aspects of the oil industry. As part of these efforts, it collects statistical information about the upstream and the downstream, and makes this information available through the ASB. The annual publication of the ASB thus illustrates the Organization's ongoing commitment to data sharing and transparency.

In addition to the print edition (which includes a CD-ROM version), the 2014 ASB is available as an electronic PDF file and an interactive digital version. Both of these are available on the OPEC website.

The ASB is the product of the close collaboration between the OPEC Secretariat and OPEC Member Countries. I therefore extend my appreciation to the many colleagues at the Secretariat and in our Member Countries for their valuable input in making this publication possible. It is only through their joint efforts that the Organization is able to fulfill its commitment to enhancing data transparency and supporting market stability.

A handwritten signature in dark ink, consisting of a large, flowing loop followed by a series of smaller, more defined strokes.

Abdalla Salem El-Badri
Secretary General



SECTION **1**

Summary

Table 1.1
Summary

OPEC Members' facts and figures, 2013

	Algeria	Angola	Ecuador	IR Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Venezuela	OPEC
Population <i>million inhabitants</i>	38,297	19,184	15,775	77,097	35,096	3,955	6,298	172,294	2,005	29,994	8,461	29,985	438,440
Land area <i>1,000 sq km</i>	2,382	1,248	284	1,648	438	18	1,760	924	12	2,150	84	916	11,862
GDP per capita <i>dollars</i>	5,845	6,282	5,932	4,751	6,534	46,527	11,711	2,994	100,829	24,847	46,833	12,472	8,039
GDP at market prices <i>million \$</i>	223,857	120,509	93,577	366,259	229,327	184,031	73,755	515,787	202,172	745,273	396,235	373,978	3,524,761
Value of exports <i>million \$</i>	65,644	68,191	25,700	98,807	89,765	115,015	40,723	95,118	136,840	377,013	379,490	89,175	1,581,481
Value of imports <i>million \$</i>	54,852	26,089	26,331	61,272	56,675	29,395	39,310	56,453	27,036	163,893	294,983	43,662	879,951
Current account balance <i>million \$</i>	920	8,036	-1,021	29,727	22,208	71,902	6,367	20,711	62,501	129,813	59,076	7,484	417,724
Value of petroleum exports <i>million \$</i>	44,458	67,829	14,103	61,923	89,402	108,482	40,163	89,314	62,519	321,723	126,307	85,861	1,112,085
Proven crude oil reserves <i>million barrels</i>	12,200	9,011	8,832	157,800	144,211	101,500	48,363	37,070	25,244	265,789	97,800	298,350	1,206,170
Natural gas reserves <i>billion cu m</i>	4,504	275	6	34,020	3,158	1,784	1,506	5,111	24,681	8,317	6,091	5,581	95,034
Crude oil production <i>1,000 b/d</i>	1,203	1,701	526	3,575	2,980	2,925	993	1,754	724	9,637	2,797	2,789	31,604
Natural gas marketed production <i>million cu m</i>	79,647	925	515	199,293	1,179	16,311	18,463	38,411	177,602	100,030	54,600	21,820	708,796
Refinery capacity <i>1,000 b/cd</i>	651	39	191	1,715	830	936	380	445	137	2,507	707	1,855	10,393
Oil demand <i>1,000 b/d</i>	377	128	270	1,776	835	383	250	385	147	2,994	655	831	9,031
Crude oil exports <i>1,000 b/d</i>	744	1,669	388	1,215	2,390	2,058	589	2,193	599	7,571	2,701	1,937	24,054
Exports of petroleum products <i>1,000 b/d</i>	453	33	20	394	65	805	76	23	511	794	792	491	4,457
Natural gas exports <i>million cu m</i>	46,708	517	-	9,307	-	-	5,513	24,543	122,874	-	15,456	-	224,918
Exchange rate national currency/\$	79,368	96,518	1,000	18,414,400	1,166,000	0,284	1,265	157,311	3,640	3,750	3,673	6,048	

Notes: Land area figures as per official websites.

Table 1.2

Summary

OPEC Members' crude oil production allocations (1,000 b/d)

	Apr 82– Mar 83	Apr 83– Oct 84	Nov 84– Aug 86	Sep 86– Oct 86	Nov 86	Dec 86	Jan 87– Jun 87	Jul 87– Dec 87	Jan 88– Dec 88	Jan 89– Jun 89
	1/	2/	3/	4/	5/	6/	7/	8/	9/	10/
Algeria	650	725	663	663	669	669	635	667	667	695
Ecuador	200	200	183	183	221	221	210	221	221	230
IR Iran	1,200	2,400	2,300	2,300	2,317	2,317	2,255	2,369	2,369	2,640
Iraq	1,200	1,200	1,200	1,200	--	--	1,466	1,540	--	2,640
Kuwait	800	1,050	900	900	921	999	948	996	996	1,037
Libya	750	1,100	990	990	999	999	948	996	996	1,037
Nigeria	1,300	1,300	1,300	1,300	1,304	1,304	1,238	1,301	1,301	1,355
Qatar	300	300	280	280	300	300	285	299	299	312
Saudi Arabia	7,150	5,000	4,353	4,353	4,353	4,353	4,133	4,343	4,343	4,524
United Arab Emirates	1,000	1,100	950	950	950	950	902	948	948	988
Venezuela	1,500	1,675	1,555	1,555	1,574	1,574	1,495	1,571	1,571	1,636
OPEC	16,050	16,050	14,674	14,674			14,515	15,251		17,094
OPEC excl Iraq					13,608	13,686			13,711	

	Jul 89– Sep 89	Oct 89– Dec 89	Jan 90– Jul 90	Aug 90	Apr 91– Sep 91	Oct 91– Jan 92	Feb 92– Sep 92	Oct 92– Dec 92	Jan 93– Feb 93	Mar 93– Sep 93
	11/	12/	13/	14/	15/	16/	17/	18/	19/	20/
Algeria	733	771	827	827	827	nd	760	nd	764	732
Ecuador	242	254	273	273	273	nd	273	nd	--	--
IR Iran	2,783	2,926	3,140	3,140	3,217	nd	3,184	nd	3,490	3,340
Iraq	2,783	2,926	3,140	3,140	--	nd	505	nd	500	400
Kuwait	1,093	1,149	1,500	1,500	--	nd	812	nd	1,500	1,600
Libya	1,093	1,149	1,233	1,233	1,425	nd	1,395	nd	1,409	1,350
Nigeria	1,428	1,501	1,611	1,611	1,840	nd	1,751	nd	1,857	1,780
Qatar	329	346	371	371	399	nd	377	nd	380	364
Saudi Arabia	4,769	5,014	5,380	5,380	8,034	nd	7,887	nd	8,395	8,000
United Arab Emirates	1,041	1,094	1,095	1,500	2,320	nd	2,244	nd	2,260	2,161
Venezuela	1,724	1,812	1,945	1,945	2,235	nd	2,147	nd	2,360	2,257
OPEC	18,018	18,942	20,515	20,920	20,570 #	23,650*	21,335	24,200*	22,915	21,984

Notes: Totals may not add up due to independent rounding. Angola joined OPEC in January 2007; Ecuador suspended its membership from December 1992 to October 2007.

-- No production level allocated.

nd No distribution made.

OPEC excluding Kuwait and Iraq.

OPEC excluding IR Iran and Iraq.

* Includes Indonesia and Gabon.

** Includes Indonesia.

Agreed at the:

- 1/ 63rd (Extraordinary) Meeting of the OPEC Conference, March 19–20, 1982.
- 2/ 67th (Extraordinary) Meeting of the OPEC Conference, March 14, 1983. No production level allocated to Saudi Arabia which acted as the swing producer. Venezuela: 1.7m b/d including condensates. Nigeria: At the 70th Meeting of the OPEC Conference, July 10–11, 1984, a temporary production rise to 1.4m b/d and 1.45m b/d in August 1984 and September 1984, respectively, was decided.
- 3/ 71st (Extraordinary) Meeting of the OPEC Conference, October 29–31, 1984. Retained at the 75th (Extraordinary) Meeting of the OPEC Conference, October 4, 1985.
- 4/ 78th Meeting of the OPEC Conference, June 25–30, 1986, and July 28–August 5, 1986, with the exception of Iraq.
- 5/ 79th (Extraordinary) Meeting of the OPEC Conference, October 6–22, 1986, with the exception of Iraq.
- 6/ 79th (Extraordinary) Meeting of the OPEC Conference, October 6–22, 1986, with the exception of Iraq.
- 7/ 80th Meeting of the OPEC Conference, December 11–20, 1986.
- 8/ 81st Meeting of the OPEC Conference, June 25–27, 1987.
- 9/ 82nd Meeting of the OPEC Conference, December 9–14, 1987, with the exception of Iraq. Extended at the 83rd Meeting of the OPEC Conference, June 11–14, 1988, with the exception of Iraq.
- 10/ 84th Meeting of the OPEC Conference, November 21–28, 1988.
- 11/ 85th Meeting of the OPEC Conference, June 5–7, 1989.
- 12/ 3rd Meeting of the Eight-Minister Monitoring Committee, September 23–27, 1989.
- 13/ 86th Meeting of the OPEC Conference, November 25–28, 1989.
- 14/ 87th Meeting of the OPEC Conference, July 26–27, 1990. September 2000–March 2001: Oil Ministers' informal consultations and 1st Ministerial Monitoring Committee, August 26–29, 1990 (interim course of action: OPEC shall consequently increase production in accordance with need). Retained August 1990 agreement at the 88th Meeting of the OPEC Conference, December 12–13, 1990.
- 15/ 3rd Meeting of the Ministerial Monitoring Committee, March 11–12, 1991. Reservations were made by Algeria and IR Iran as to the total OPEC production level. Reiterated without reservations at the 89th Meeting of the OPEC Conference, June 4, 1991.
- 16/ 4th Meeting of the Ministerial Monitoring Committee, September 24–25, 1991. Retained at the 90th Meeting of the Conference, November 26–27, 1991.
- 17/ 6th Meeting of the Ministerial Monitoring Committee, February 12–15, 1992. Reservations were made by IR Iran as to the total OPEC production level and by Saudi Arabia as to their allocated production level. Rollover (inclusive of reservations) at the 91st Meeting of the OPEC Conference, May 21–22, 1992. The Conference also decided to allow any additional production from Kuwait.
- 18/ 9th Meeting of the Ministerial Monitoring Committee, September 16–17, 1992. Reaffirmed to allow for any additional production from Kuwait.
- 19/ 92nd Meeting of the OPEC Conference, November 25–27, 1992, with full support of Member Countries, except Iraq and the allowance of additional volumes to Kuwait as they become available during the 1Q93.
- 20/ 10th Meeting of the Ministerial Monitoring Committee, February 13–16, 1993 with full support of Member Countries, except Iraq. Rollover of this agreement at the 93rd Meeting of the OPEC Conference, June 8–10, 1993, with full support of Member Countries, except Iraq and Kuwait.

Table 1.2**Summary****OPEC Members' crude oil production allocations (1,000 b/d)**

	Oct 93– Jun 96	Jul 96– Dec 97	Jan 98– Mar 98	Apr 98– Jun 98	Jul 98– Mar 99	Apr 99– Mar 00	Apr 00– Jun 00	Jul 00– Sep 00	Oct 1, 00– Oct 30, 00	Oct 31, 00– Jan 01	Feb 01– Mar 01
	21/ 750	22/ 750	23/ 909	24/ 50	25/ 788	26/ 731	27/ 788	28/ 811	29/ 837	30/ 853	31/ 805
Algeria											
IR Iran	3,600	3,600	3,942	140	3,318	3,359	--	3,727	3,844	3,917	3,698
Iraq	400	1,200	1,314	--	--	--	--	--	--	--	--
Kuwait	2,000	2,000	2,190	125	1,980	1,836	1,980	2,037	2,101	2,141	2,021
Libya	1,390	1,390	1,522	80	1,323	1,227	1,323	1,361	1,404	1,431	1,350
Nigeria	1,865	1,865	2,042	125	2,033	1,885	2,033	2,091	2,157	2,198	2,075
Qatar	378	378	414	30	640	593	640	658	679	692	653
Saudi Arabia	8,000	8,000	8,761	300	8,023	7,438	8,023	8,253	8,512	8,674	8,189
United Arab Emirates	2,161	2,161	2,366	125	2,157	2,000	2,157	2,219	2,289	2,333	2,201
Venezuela	2,359	2,359	2,583	200	2,845	2,720	2,845	2,926	3,019	3,077	2,902
OPEC	22,903	23,703	26,044								
OPEC excl Iraq				1,175	23,107	21,789	19,789##	24,083	24,841	25,315	23,894
Target				24,432							

	Apr 01– Aug 01	Sep 01– Dec 01	Jan 02– Dec 02	Jan 03	Feb 03– May 03	Jun 03– Oct 03	Nov 03– Mar 04	Apr 04– Jun 04	Jul 04	Aug 04– Oct 04	Nov 1, 04– Mar 16, 05
	32/ 773	33/ 741	34/ 693	35/ 735	36/ 782	37/ 811	38/ 782	39/ 750	40/ 814	41/ 830	42/ 862
Algeria											
IR Iran	3,552	3,406	3,186	3,377	3,597	3,729	3,597	3,450	3,744	3,817	3,964
Iraq	--	--	--	--	--	--	--	--	--	--	--
Kuwait	1,941	1,861	1,741	1,845	1,966	2,038	1,966	1,886	2,046	2,087	2,167
Libya	1,296	1,242	1,162	1,232	1,312	1,360	1,312	1,258	1,365	1,392	1,446
Nigeria	1,993	1,911	1,787	1,894	2,018	2,092	2,018	1,936	2,101	2,142	2,224
Qatar	627	601	562	596	635	658	635	609	661	674	700
Saudi Arabia	7,865	7,541	7,053	7,476	7,963	8,256	7,963	7,638	8,288	8,450	8,775
United Arab Emirates	2,113	2,025	1,894	2,007	2,138	2,217	2,138	2,051	2,225	2,269	2,356
Venezuela	2,786	2,670	2,497	2,647	2,819	2,923	2,819	2,704	2,934	2,992	3,107
OPEC excl Iraq	22,946	21,998	20,575	21,809	23,230	24,083	23,230	22,282	24,178	24,653	25,601

- 21/ 94th (Extraordinary) Meeting of the OPEC Conference, September 25–29, 1993, with full support of Member Countries, except Iraq. Maintained at the 12th Meeting of the Ministerial Monitoring Committee, March 25–26, 1994, with full support of Member Countries, except Iraq. Maintained at the 97th, 98th and 99th Meeting of the OPEC Conference, November 21–22, 1994, June 19–20, 1995, and November 21–22, 1995, respectively.
- 22/ 100th Meeting of the OPEC Conference, June 5–7, 1996. The remaining volume of 1.2m b/d is to be supplied by Iraq. Rollover of the agreement at the 101st and the 102nd Meeting of the OPEC Conference, November 27–28, 1996, and June 25–26, 1997, respectively.
- 23/ 103rd Meeting of the OPEC Conference, November 26–December 1, 1997. The remaining volume of 1,314,080 b/d is to be supplied by Iraq.
- 24/ 104th Meeting (Extraordinary) of the OPEC Conference, March 30, 1998. Data reflect temporary production cuts from OPEC excluding Iraq production in February 1998 as reported by selected secondary sources. Iraq is not called upon to participate in this agreement.
- 25/ 105th Meeting of the OPEC Conference, June 24, 1998. Iraq is not called upon to participate in this agreement.
- 26/ 107th Meeting of the OPEC Conference, March 23, 1999. Reaffirmed strong commitment to the agreement at the 108th Meeting of the OPEC Conference, September 22, 1999. Iraq is not called upon to participate in this agreement.
- 27/ 109th Meeting of the OPEC Conference, March 27–29, 2000. Agreement of OPEC Member Countries excluding IR Iran and Iraq.
- 28/ 110th (Extraordinary) Meeting of the OPEC Conference, June 21, 2000. Iraq is not called upon to participate in this agreement.
- 29/ 111th Meeting of the OPEC Conference, September 10–11, 2000. Iraq is not called upon to participate in this agreement.
- 30/ 111th Meeting of the OPEC Conference, September 10–11, 2000; including additional 500,000 b/d (price band mechanism) as announced by the OPEC President on October 30, 2000, and effective from October 31, 2000. Iraq is not called upon to participate in this agreement.
- 31/ 113th (Extraordinary) Meeting of the OPEC Conference, January 17, 2001. Iraq is not called upon to participate in this agreement.
- 32/ 114th Meeting of the OPEC Conference, March 16–17, 2001. Retained at the 115th (Extraordinary) and 116th (Extraordinary) Meeting of the OPEC Conference, June 5 and July 3, 2001, respectively. Iraq is not called upon to participate in this agreement.
- 33/ OPEC Conference, July 25, 2001. Retained at the 117th Meeting of the OPEC Conference, September 26–27, 2001. Iraq is not called upon to participate in this agreement.
- 34/ Announced during the 118th (Extraordinary) Meeting of the OPEC Conference, November 14, 2001, and confirmed its implementation during the Consultative Meeting of the OPEC Conference in Cairo, December 28, 2001. Retained at the 119th (Extraordinary), 120th (Extraordinary) and 121st Meeting of the OPEC Conference, March 15, June 26 and September 19, 2002, respectively. Iraq is not called upon to participate in this agreement.
- 35/ 122th (Extraordinary) Meeting of the OPEC Conference, December 12, 2002. Iraq is not called upon to participate in this agreement.
- 36/ 123rd (Extraordinary) Meeting of the OPEC Conference, January 12, 2003. Retained at the 124th Meeting of the OPEC Conference, March 11, 2003. Iraq is not called upon to participate in this agreement.
- 37/ Consultative Meeting of the OPEC Conference, April 24, 2003. Retained at the 125th (Extraordinary) and 126th (Extraordinary) Meeting of the OPEC Conference, June 11 and July 31, 2003, respectively. Iraq is not called upon to participate in this agreement.
- 38/ 127th Meeting of the OPEC Conference, September 24, 2003. Retained at the 128th (Extraordinary) and 129th (Extraordinary) Meeting of the OPEC Conference, December 4, 2003, and February 10, 2004, respectively. Iraq is not called upon to participate in this agreement.
- 39/ 129th (Extraordinary) Meeting of the OPEC Conference, February 10, 2004. Reconfirmed at the 130th Meeting of the OPEC Conference, March 31, 2004. Iraq is not called upon to participate in this agreement.
- 40/ 131st (Extraordinary) Meeting of the OPEC Conference, June 3, 2004. Iraq is not called upon to participate in this agreement.
- 41/ 131st (Extraordinary) Meeting of the OPEC Conference, June 3, 2004. Iraq is not called upon to participate in this agreement.
- 42/ 132nd Meeting of the OPEC Conference, September 15, 2004. Iraq is not called upon to participate in this agreement. During the 133rd (Extraordinary) Meeting of the OPEC Conference, December 10, 2004, Member Countries agreed to collectively reduce the over-production by 1m b/d from their current actual output, effective January 1, 2005. Agreement of 132nd Meeting is retained at the 134th (Extraordinary) Meeting of the OPEC Conference, January 30, 2005.

Table 1.2

Summary

OPEC Members' crude oil production allocations (1,000 b/d)

	Mar 17, 05– Jun 30, 05	Jul 05– Oct 06	Nov 06– Jan 07	Feb 07– Oct 07	Nov 07– Dec 07	Jan 08– Sep 08	Oct 08	Nov 08– Dec 08	Jan 09– Dec 11	Jan 12–
	43/	44/	45/	46/	47/	48/	49/	50/	51/	52/
Algeria	878	894	59	25	nd	nd	nd	71	nd	nd
Angola	--	--	--	--	--	nd	nd	99	nd	nd
Ecuador	--	--	--	--	--	nd	nd	27	nd	nd
IR Iran	4,037	4,110	176	73	nd	nd	nd	199	nd	nd
Iraq	--	--	--	--	--	--	--	--	--	nd
Kuwait	2,207	2,247	100	42	nd	nd	nd	132	nd	nd
Libya	1,473	1,500	72	30	nd	nd	nd	89	nd	nd
Nigeria	2,265	2,306	100	42	nd	nd	nd	113	nd	nd
Qatar	713	726	35	15	nd	nd	nd	43	nd	nd
Saudi Arabia	8,937	9,099	380	158	nd	nd	nd	466	nd	nd
United Arab Emirates	2,400	2,444	101	42	nd	nd	nd	134	nd	nd
Venezuela	3,165	3,223	138	57	nd	nd	nd	129	nd	nd
OPEC excl Iraq	26,075	26,549								
OPEC excl Angola, Ecuador and Iraq			1,161	484	500**			1,500		
Target OPEC excl Angola, Ecuador and Iraq			26,300**	25,800**	27,253**					
Target OPEC excl Iraq						29,673**	28,808	27,308	24,845	
Target OPEC										30,000

43/ 135th Meeting of the OPEC Conference, March 16, 2005. Iraq is not called upon to participate in this agreement. The President of the Conference is authorized, after consultation with fellow Heads of Delegation, to announce an additional 500,000 b/d increase until its next Meeting, if prices remain at current high levels or continue to further rise.

44/ 136th (Extraordinary) Meeting of the OPEC Conference, June 15, 2005. Iraq is not called upon to participate in this agreement. The President of the Conference is authorized, after consultation with fellow Heads of Delegation, to announce an additional 500,000 b/d increase until its next Meeting, if prices remain at current high levels or continue to further rise. The 137th OPEC Conference, September 20, 2005, agreed to make available to the market the spare capacity of 2m b/d, should it be called for, for a period of three months, starting October 1, 2005. The 138th (December 12, 2005), the 139th (Extraordinary, January 31, 2006), the 140th (March 8, 2006) and the 141st (Extraordinary, June 1, 2006) Conference retained the OPEC production level as agreed on June 15, 2005.

45/ Consultative Meeting of the OPEC Conference, October 19–20, 2006. Data reflect interim production cuts from OPEC excluding Iraq production in September 2006. Iraq is not called upon to participate in this agreement.

46/ 143rd (Extraordinary) Meeting of the OPEC Conference, December 14, 2006. Data reflect a further production cut to the decision taken in Doha, October 19–20, 2006. Iraq is not called upon to participate in this agreement.

47/ 145th Meeting of the OPEC Conference, September 11, 2007. Angola and Iraq are not called upon to participate in this agreement. Data reflect production increase of 500,000 b/d for OPEC (excluding Angola and Iraq) to achieve 27.253m b/d.

48/ 146th (Extraordinary) Meeting of the OPEC Conference, December 5, 2007. Iraq is not called upon to participate in the agreement.

49/ 149th Meeting of the OPEC Conference, September 9–10, 2008: The Conference agreed to abide to September 2007 production allocations (adjusted to include new Members Angola and Ecuador and excluding Indonesia and Iraq), totalling to 28.8m b/d. Indonesia suspended its full Membership in the Organization.

50/ 150th (Extraordinary) Meeting of the OPEC Conference, October 24, 2008: Data reflect a production cut of 1.5m b/d to achieve 27.31m b/d. Iraq is not called upon to participate in the agreement.

51/ The 151th (Extraordinary) Meeting of the Conference, December 17, 2008, agreed to reduce OPEC excluding Iraq production by total of 4.2m b/d from September levels of the actual production based on secondary sources. Iraq is not called upon to participate in the agreement.

52/ The 160th Meeting of the Conference, December 14, 2011, decided to maintain the total OPEC's production level of 30.0m b/d.

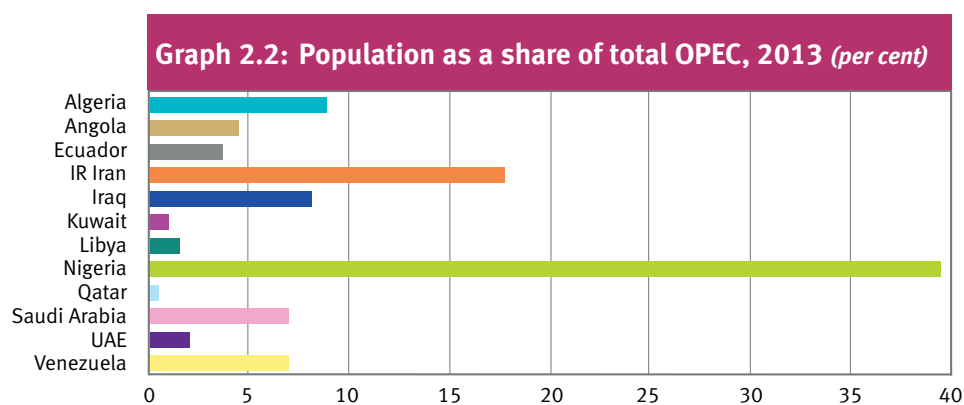
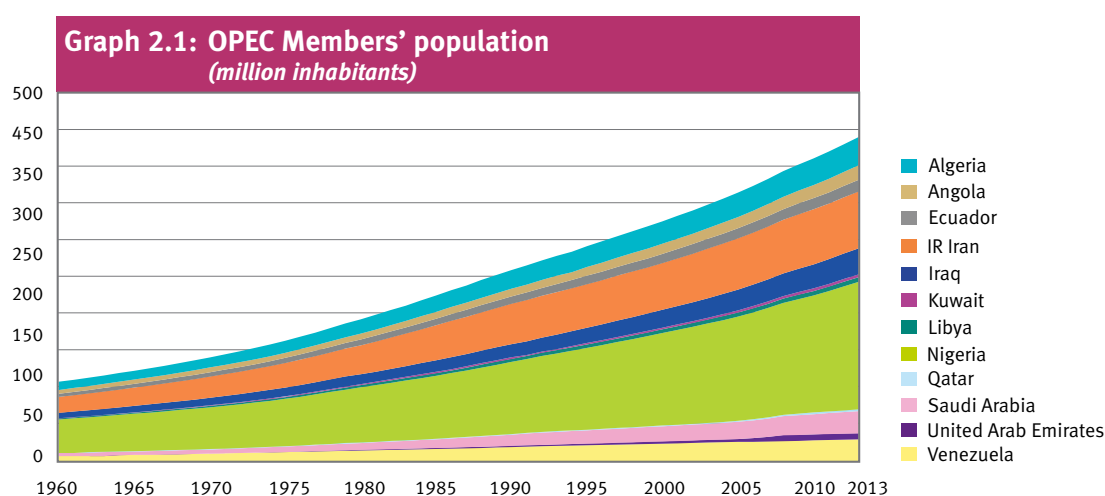


SECTION 2

Macro-economics

Table 2.1**Macro-economics**OPEC Members' population (*million inhabitants*)

	2009	2010	2011	2012	2013
Algeria	35.268	35.978	36.717	37.495	38.297
Angola	16.889	17.430	17.992	18.577	19.184
Ecuador	14.738	15.012	15.266	15.521	15.775
IR Iran	73.651	74.733	75.150	76.117	77.097
Iraq	31.664	32.490	33.339	34.207	35.096
Kuwait	3.485	3.582	3.697	3.824	3.955
Libya	5.964	6.053	6.110	6.220	6.298
Nigeria	154.729	158.057	162.799	167.683	172.294
Qatar	1.639	1.715	1.733	1.833	2.005
Saudi Arabia	26.661	27.563	28.376	29.196	29.994
United Arab Emirates	8.200	8.264	8.328	8.394	8.461
Venezuela	28.181	28.629	29.072	29.517	29.985
OPEC	401.069	409.507	418.580	428.583	438.440



OPEC Members' GDP at current market prices (*m \$*)

	2009	2010	2011	2012	2013
Algeria	137,235	161,197	199,293	204,294	223,857
Angola	66,995	82,409	104,044	114,202	120,509
Ecuador	62,520	69,555	79,780	87,502	93,577
IR Iran	360,625	419,118	541,107	398,030	366,259
Iraq	110,968	138,517	185,750	216,044	229,327
Kuwait	105,993	119,836	160,631	183,257	184,031
Libya	63,069	74,804	39,443	93,653	73,755
Nigeria ¹	166,538	366,347	415,908	457,601	515,787
Qatar	97,664	124,951	169,572	189,684	202,172
Saudi Arabia	429,098	526,811	669,507	733,956	745,273
United Arab Emirates	254,803	287,422	348,595	383,799	396,235
Venezuela	329,419	295,591	316,482	381,286	373,978
OPEC	2,184,927	2,666,557	3,230,111	3,443,309	3,524,761

Notes:

1. Data from 2010 onward reflects the rebasing/re-benchmarking of the national account series (GDP). This process consists of replacing an old base year used to compile volume measures of GDP with a new and more recent base year or price structure.

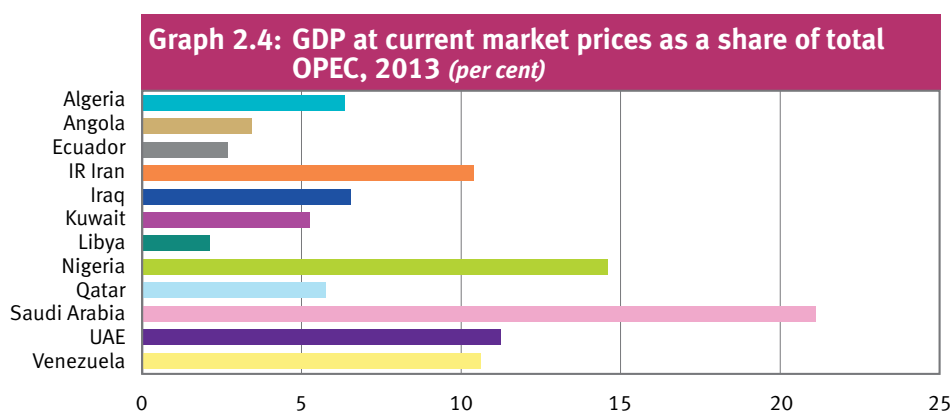
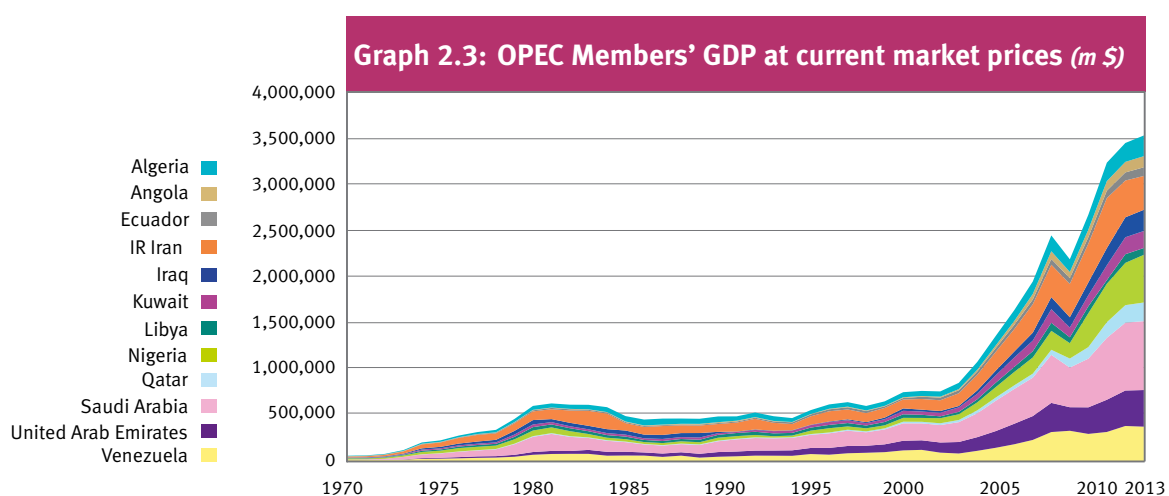
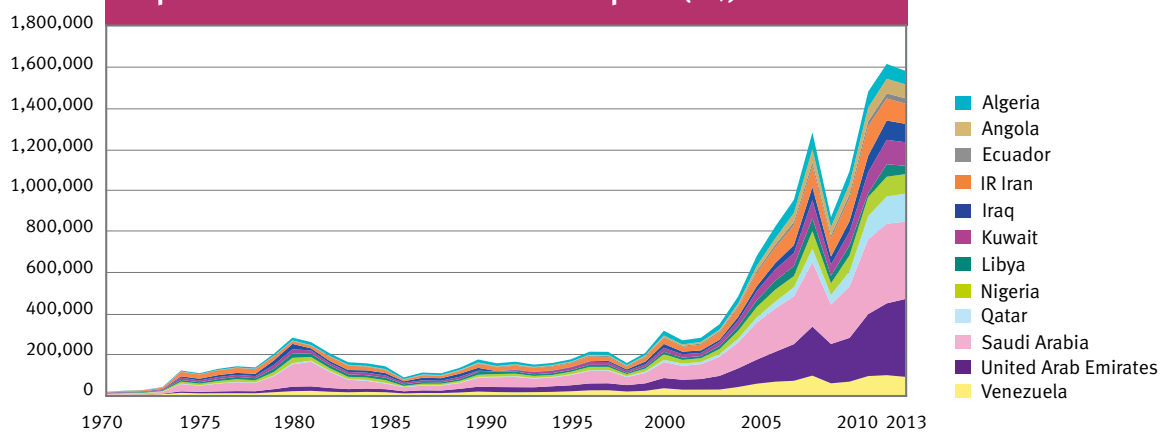
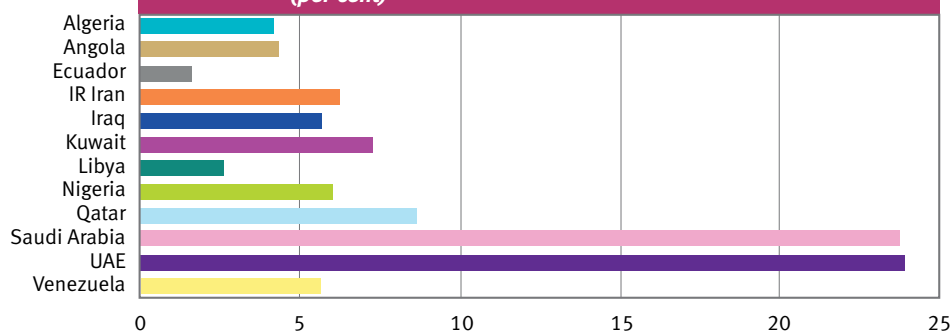


Table 2.3**Macro-economics**OPEC Members' values of exports (*m \$*)

	2009	2010	2011	2012	2013
Algeria	48,542	61,971	77,198	72,632	65,644
Angola	40,828	50,595	67,310	71,093	68,191
Ecuador	14,412	18,137	23,082	24,569	25,700
IR Iran	88,326	112,788	144,874	107,812	98,807
Iraq	39,430	51,764	79,681	94,209	89,765
Kuwait	53,973	66,534	102,055	118,919	115,015
Libya	36,951	48,672	19,060	61,026	40,723
Nigeria	56,789	78,532	93,267	96,032	95,118
Qatar	46,840	72,954	112,912	132,985	136,840
Saudi Arabia	192,296	251,143	364,693	388,400	377,013
United Arab Emirates	191,802	213,539	302,036	350,123	379,490
Venezuela	57,603	65,745	92,811	97,340	89,175
OPEC	867,792	1,092,374	1,478,980	1,615,140	1,581,481

Notes: All figures fob.

Graph 2.5: OPEC Members' values of exports (*m \$*)**Graph 2.6: Values of exports as a share of total OPEC, 2013 (*per cent*)**

OPEC Members' values of petroleum exports (*m \$*)

	2009	2010	2011	2012	2013
Algeria	30,584	38,211	51,409	48,271	44,458
Angola	39,833	49,351	65,591	69,716	67,829
Ecuador	6,965	9,673	12,913	13,750	14,103
IR Iran	55,746	72,228	114,751	101,468	61,923
Iraq	39,307	51,589	79,043	94,103	89,402
Kuwait	48,914	61,754	96,724	112,934	108,482
Libya	35,600	47,245	18,615	60,188	40,163
Nigeria	42,205	66,923	87,130	94,642	89,314
Qatar	28,748	43,369	62,680	65,065	62,519
Saudi Arabia	161,613	214,897	319,123	336,124	321,723
United Arab Emirates	67,876	74,638	111,607	118,080	126,307
Venezuela	54,201	62,317	88,131	93,569	85,861
OPEC	611,591	792,195	1,107,716	1,207,909	1,112,085

Notes: Where applicable, petroleum product exports are included. Data for some countries may include condensates as well as other NGLs.

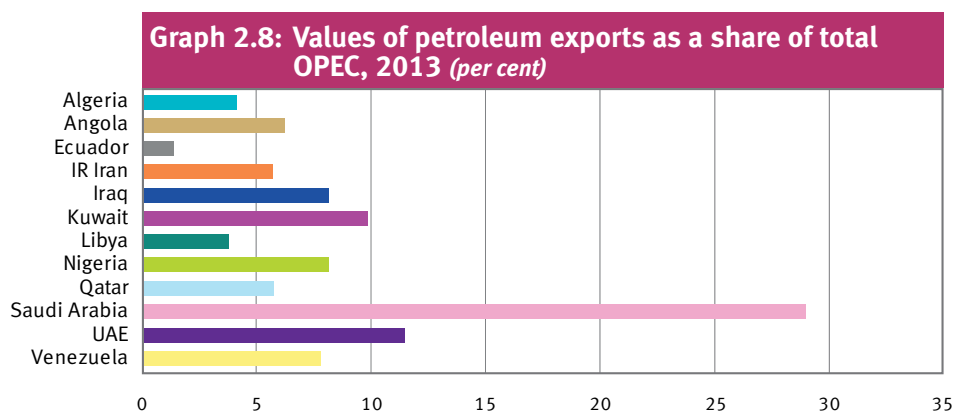
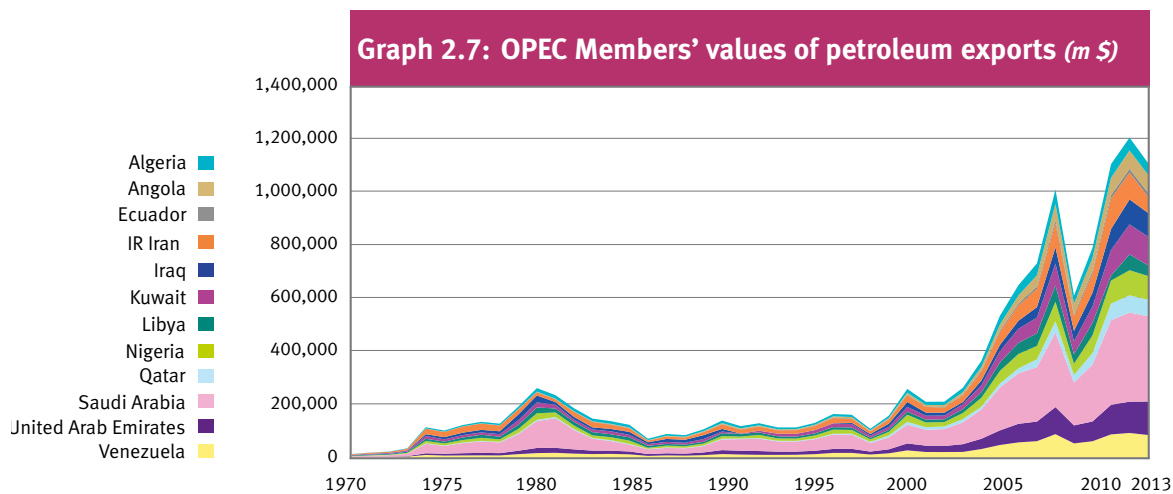
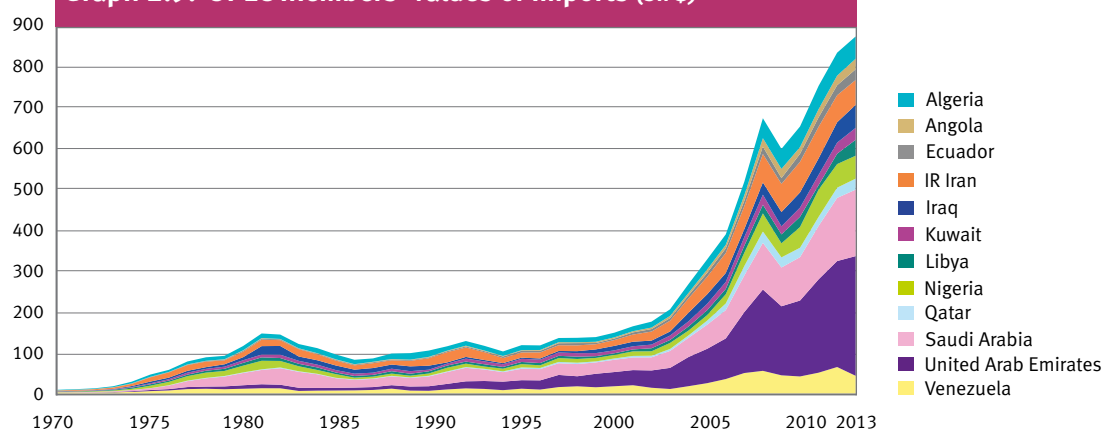
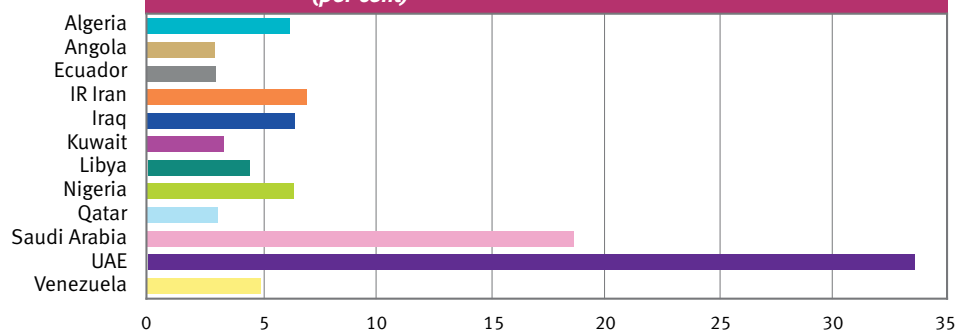


Table 2.5**Macro-economics**OPEC Members' values of imports (*m \$*)

	2009	2010	2011	2012	2013
Algeria	49,340	50,652	57,275	56,554	54,852
Angola	22,660	16,667	20,228	23,717	26,089
Ecuador	14,268	19,641	23,243	24,532	26,331
IR Iran	69,247	75,458	77,805	66,600	61,272
Iraq	35,285	37,328	40,633	50,155	56,675
Kuwait	19,891	22,660	25,144	27,269	29,395
Libya	21,940	25,167	11,200	25,590	39,310
Nigeria	34,647	51,088	67,094	58,152	56,453
Qatar	24,922	23,240	22,333	25,223	27,036
Saudi Arabia	95,544	106,863	131,573	155,600	163,893
United Arab Emirates	170,121	187,001	229,932	261,046	294,983
Venezuela	44,930	42,127	51,408	65,360	43,662
OPEC	602,797	657,892	757,868	839,799	879,951

Notes: All figures cif.

Graph 2.9: OPEC Members' values of imports (bn \$)**Graph 2.10: Values of imports as a share of total OPEC, 2013 (per cent)**

Estimated current account balances in OPEC Members (m \$)

	2009	2010	2011	2012	2013
Algeria	400	12,150	17,770	12,300	920
Angola	-7,572	7,506	13,085	10,456	8,036
Ecuador	297	-1,607	-223	-299	-1,021
IR Iran	9,473	27,554	59,382	26,765	29,727
Iraq	-1,143	6,430	26,365	31,910	22,208
Kuwait	28,285	36,932	67,169	79,227	71,902
Libya	9,353	15,730	3,173	23,836	6,367
Nigeria	13,974	14,580	12,658	20,428	20,711
Qatar	6,389	23,797	51,907	61,946	62,501
Saudi Arabia	20,955	66,751	158,533	164,773	129,813
United Arab Emirates	7,249	7,241	50,948	66,553	59,076
Venezuela	2,258	8,812	24,387	11,016	7,484
OPEC	89,918	225,877	485,154	508,913	417,724

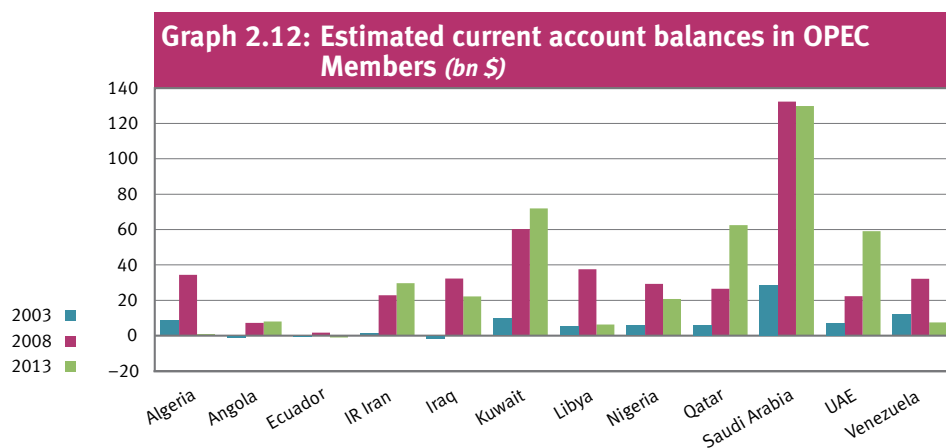
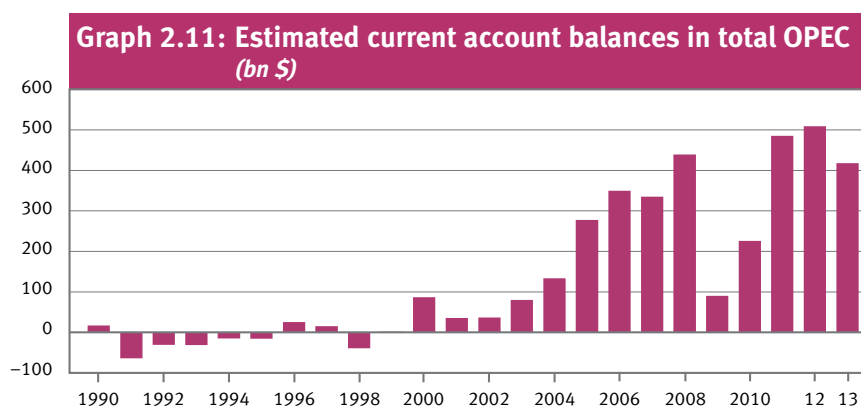


Table 2.7**Macro-economics**Annual average exchange rates for OPEC Members (*units of national currency/\$*)

	2009	2010	2011	2012	2013	% change 13/12
Algeria	72.647	74.386	72.938	77.536	79.368	2.4
Angola ¹	79.328	91.906	93.935	95.468	96.518	1.1
Ecuador ²	1.000	1.000	1.000	1.000	1.000	0.0
IR Iran ³	9,864.300	10,254.200	10,616.300	12,175.500	18,414.400	51.2
Iraq ⁴	1,170.000	1,170.000	1,170.000	1,166.170	1,166.000	–
Kuwait	0.288	0.287	0.276	0.280	0.284	1.3
Libya	1.254	1.267	1.260	1.257	1.265	0.6
Nigeria ⁵	148.902	150.298	153.862	157.499	157.311	–0.1
Qatar	3.640	3.640	3.640	3.640	3.640	0.0
Saudi Arabia	3.750	3.750	3.750	3.750	3.750	0.0
United Arab Emirates	3.673	3.673	3.673	3.673	3.673	0.0
Venezuela ⁶	2.148	2.582	4.289	4.289	6.048	41.0

Notes: Conversions to the US dollar are based on average annual market exchange rates.

1. Data prior to 1995 are not comparable to current exchange rates definitions due to several re-adjustments of exchange rate units.
2. In 2000, the Ecuadorian Congress approved a new exchange rate system, whereby the US is adopted as the main legal tender.
3. In May 1995 a rate \$1 = IR 3,000 was introduced applicable to exports. Beginning from March 2002 a unified exchange rate has replaced the dual foreign exchange rate system.
4. The parallel market rate was 1,100 ID/US\$ in 1995, 2,500 ID/US\$ in 1996, 2,300 ID/US\$ in 1997, 2,200 ID/US\$ in 1998, 2,100 ID/US\$ in 1999, 2,000 ID/US\$ in 2000, 1,900 ID/US\$ in 2001, 2,000 ID/US\$ in 2002 and 2,100 ID/US\$ in 2003. On October 15, 2003, the new national currency known as the 'new Iraqi dinar' replaced the 'old dinar'.
5. The autonomous market rate was 82.3 N/US\$ in 1995, 81 N/US\$ in 1996, 83.5 N/US\$ in 1997 and 85.25 N/US\$ in 1998. In January 1999, the dual exchange rate system was abolished.
6. On January 1, 2008, the new Venezuelan bolivar (VEF), equivalent to 1,000 old bolivares (VEB), was introduced. In January 2010, a fixed dual exchange rate system for the bolivar was announced. The system offers a 2.6 bolivar per US\$ rate for imports of essential items such as food, medicine, and industrial machinery, and a 4.3 bolivar per US\$ rate for imports of other products, including cars and telephones.



SECTION 3

Oil and gas data

Table 3.1

Oil and gas data

World proven crude oil reserves by country (*m b*)

	2009	2010	2011	2012	2013	% change 13/12
North America	23,446	24,884	33,085	37,893	37,893	–
Canada ¹	4,325	4,202	4,085	4,893	4,893	–
United States	19,121	20,682	29,000	33,000	33,000	–
Latin America	246,645	332,477	335,698	336,819	338,289	0.4
Argentina	2,520	2,505	2,505	2,805	2,820	0.5
Brazil	11,899	11,985	12,841	13,154	13,219	0.5
Colombia	1,362	1,360	1,900	2,200	2,377	8.0
Ecuador	6,511	7,206	8,235	8,235	8,832	7.2
Mexico	10,420	10,160	10,030	10,070	10,070	–
Venezuela	211,173	296,501	297,571	297,735	298,350	0.2
Others	2,760	2,760	2,616	2,620	2,621	–
Eastern Europe and Eurasia	116,556	117,310	117,314	119,881	119,877	–
Azerbaijan	7,000	7,000	7,000	7,000	7,000	–
Belarus	198	198	198	198	198	–
Kazakhstan	30,000	30,000	30,000	30,000	30,000	–
Russia	76,650	77,403	77,403	80,000	80,000	–
Turkmenistan	600	600	600	600	600	–
Ukraine	395	395	395	395	395	–
Uzbekistan	594	594	594	594	594	–
Others	1,119	1,120	1,124	1,094	1,090	–0.4
Western Europe	13,318	13,416	11,722	11,559	12,267	6.1
Denmark	1,060	812	900	805	805	–
Norway	7,078	7,078	5,320	5,366	5,825	8.6
United Kingdom	3,100	2,800	2,800	2,800	2,979	6.4
Others	2,080	2,726	2,702	2,588	2,658	2.7
Middle East	752,079	794,265	796,855	798,832	803,182	0.5
IR Iran	137,010	151,170	154,580	157,300	157,800	0.3
Iraq	115,000	143,100	141,350	140,300	144,211	2.8
Kuwait	101,500	101,500	101,500	101,500	101,500	–
Oman	5,500	5,500	5,500	5,500	5,500	–
Qatar	25,382	25,382	25,382	25,244	25,244	–
Saudi Arabia	264,590	264,516	265,405	265,850	265,789	–
Syrian Arab Republic	2,500	2,500	2,500	2,500	2,500	–
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	–
Others	2,798	2,798	2,838	2,838	2,838	–
Africa	123,648	125,623	126,474	128,371	128,149	–0.2
Algeria	12,200	12,200	12,200	12,200	12,200	–
Angola	9,500	9,055	9,055	9,055	9,011	–0.5
Egypt	4,300	4,400	4,400	4,400	4,400	–
Gabon	2,000	2,000	2,000	2,000	2,000	–
Libya	46,422	47,097	48,014	48,472	48,363	–0.2
Nigeria	37,200	37,200	37,200	37,139	37,070	–0.2
Sudans	5,000	5,000	5,000	5,000	5,000	–
Others	7,026	8,671	8,605	10,105	10,105	–
Asia and Pacific	47,798	49,218	49,666	50,438	50,208	–0.5
Brunei	1,100	1,100	1,100	1,100	1,100	–
China	21,618	23,268	23,747	24,428	24,428	–
India	5,673	5,673	5,549	5,571	5,654	1.5
Indonesia	3,990	3,990	3,885	4,030	3,590	–10.9
Malaysia	5,500	5,500	5,850	5,850	5,850	–
Vietnam	4,500	4,400	4,400	4,400	4,400	–
Australia	4,239	4,061	3,872	3,872	3,872	–
Others	1,178	1,226	1,263	1,187	1,314	10.7
Total world	1,323,490	1,457,193	1,470,814	1,483,793	1,489,865	0.4
<i>of which</i>						
OPEC	1,064,288	1,192,727	1,198,292	1,200,830	1,206,170	0.4
<i>OPEC percentage</i>	<i>80.4</i>	<i>81.9</i>	<i>81.5</i>	<i>80.9</i>	<i>81.0</i>	<i>0.1</i>
OECD	51,734	52,896	59,073	63,740	64,448	1.1
FSU	115,536	116,289	116,289	118,886	118,886	–

Notes: Figures as at year-end. Condensates are included for some countries.

1. Data refers to conventional crude oil.

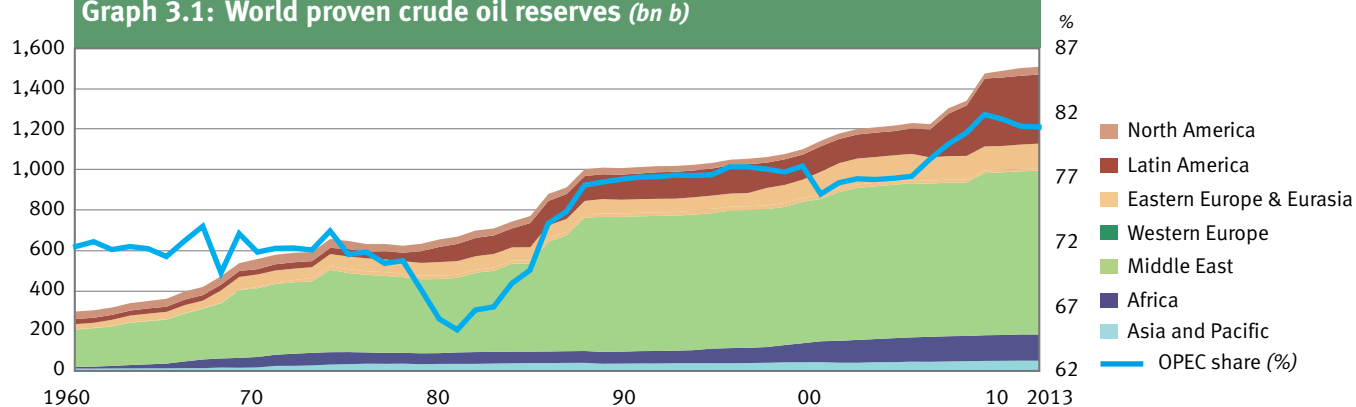
Table 3.2

Oil and gas data

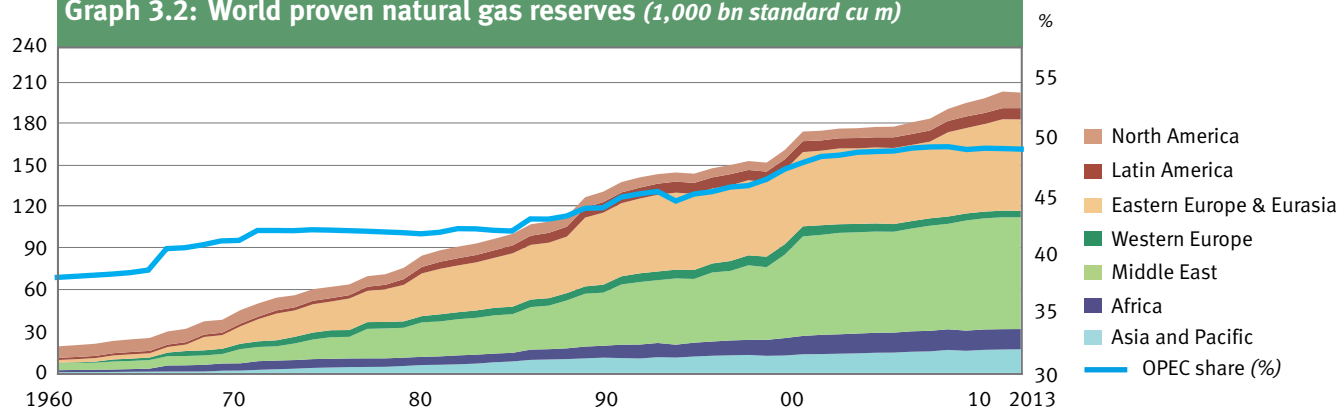
World proven natural gas reserves by country (*billion standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
North America	8,655	9,700	10,524	11,483	10,757	-6.3
Canada	1,727	1,983	1,897	2,022	2,022	-
United States	6,928	7,717	8,627	9,461	8,735	-7.7
Latin America	8,049	8,325	7,886	7,947	8,032	1.1
Argentina	399	379	359	333	323	-3.0
Bolivia	750	695	281	281	281	-
Brazil	365	358	417	460	459	-0.2
Chile	46	45	43	41	41	-
Colombia	124	134	153	155	162	4.5
Ecuador	8	8	6	6	6	-
Mexico	359	339	349	360	360	-
Peru	415	345	353	359	435	21.2
Trinidad and Tobago	500	480	381	375	371	-1.1
Venezuela	5,065	5,525	5,528	5,563	5,581	0.3
Others	18	17	16	14	13	-7.1
Eastern Europe and Eurasia	60,388	61,180	62,744	65,453	65,505	0.1
Armenia	164	164	180	180	180	-
Azerbaijan	1,359	1,310	1,317	1,317	1,308	-0.7
Kazakhstan	1,950	1,950	1,913	1,950	1,939	-0.6
Poland	93	98	71	69	73	5.8
Romania	629	606	595	595	595	-
Russia	44,900	46,000	46,000	48,676	48,810	0.3
Turkmenistan	8,400	8,340	10,000	10,000	9,967	-0.3
Ukraine	1,020	990	969	969	960	-0.9
Uzbekistan	1,745	1,682	1,661	1,661	1,635	-1.6
Others	128	40	38	36	38	5.6
Western Europe	5,228	5,001	4,799	4,739	4,604	-2.8
Denmark	118	105	101	95	91	-4.2
Germany	119	98	87	80	71	-11.3
Italy	69	64	66	62	59	-4.8
Netherlands	1,222	1,247	1,161	1,230	1,131	-8.0
Norway	2,985	2,819	2,762	2,685	2,687	0.1
United Kingdom	601	564	520	481	461	-4.2
Others	114	104	102	106	104	-1.9
Middle East	75,540	78,890	79,581	80,131	80,065	-0.1
IR Iran	29,610	33,090	33,620	33,780	34,020	0.7
Iraq	3,170	3,158	3,158	3,158	3,158	-
Kuwait	1,784	1,784	1,784	1,784	1,784	-
Oman	690	610	610	950	950	-
Qatar	25,366	25,201	25,110	25,069	24,681	-1.5
Saudi Arabia	7,920	8,016	8,151	8,235	8,317	1.0
United Arab Emirates	6,091	6,091	6,091	6,091	6,091	-
Others	908	939	1,057	1,064	1,064	-
Africa	14,747	14,462	14,597	14,569	14,498	-0.5
Algeria	4,504	4,504	4,504	4,504	4,504	-
Angola	275	275	275	275	275	-
Cameroon	235	157	155	153	151	-1.3
Congo	130	130	127	124	121	-2.4
Egypt	2,170	2,185	2,210	2,190	2,185	-0.2
Libya	1,549	1,495	1,547	1,549	1,506	-2.8
Nigeria	5,292	5,110	5,154	5,118	5,111	-0.1
Others	593	607	625	656	645	-1.7
Asia and Pacific	16,476	15,827	16,526	16,757	16,902	0.9
Bangladesh	344	364	354	474	458	-3.4
Brunei	350	309	301	288	276	-4.2
China	3,090	2,751	2,853	3,051	3,200	4.9
India	1,116	1,149	1,278	1,331	1,330	-0.1
Indonesia	3,280	2,960	2,963	2,925	2,954	1.0
Malaysia	2,350	2,362	2,328	2,389	2,550	6.7
Myanmar	590	510	522	509	496	-2.6
Pakistan	843	818	810	766	723	-5.6
Thailand	340	360	300	285	272	-4.6
Vietnam	217	215	288	224	215	-4.0
Australia	3,145	3,225	3,759	3,730	3,650	-2.1
Others	811	804	770	785	778	-0.9
Total world	189,082	193,385	196,657	201,079	200,363	-0.4
<i>of which</i>						
OPEC	90,634	94,257	94,928	95,132	95,034	-0.1
<i>OPEC percentage</i>	<i>47.9</i>	<i>48.7</i>	<i>48.3</i>	<i>47.3</i>	<i>47.4</i>	<i>0.2</i>
OECD	17,737	18,581	19,829	20,690	19,753	-4.5
FSU	59,543	60,441	62,045	64,758	64,804	0.1

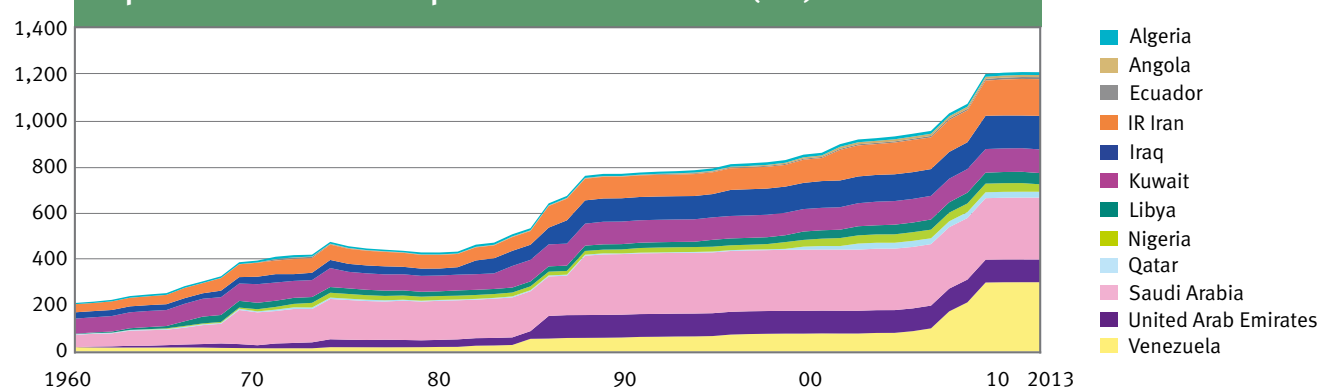
Graph 3.1: World proven crude oil reserves (bn b)



Graph 3.2: World proven natural gas reserves (1,000 bn standard cu m)



Graph 3.3: OPEC Members' proven crude oil reserves (bn b)



Graph 3.4: OPEC Members' proven natural gas reserves (1,000 bn standard cu m)

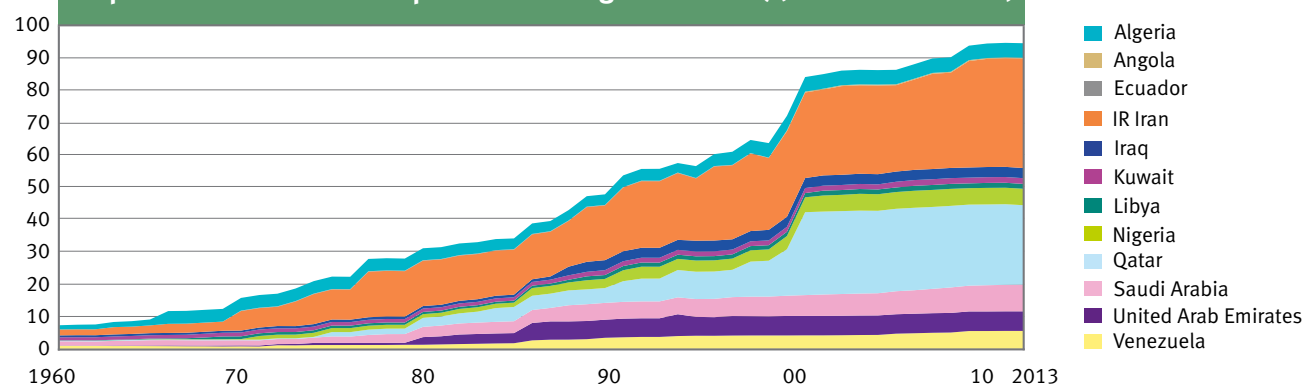


Table 3.3
Oil and gas data

Active rigs by country

	2009	2010	2011	2012	2013	change 13/12
North America	1,485	2,109	2,432	2,137	2,143	6
Canada	313	398	429	353	372	19
United States	1,172	1,711	2,003	1,784	1,771	-14
Latin America	426	428	509	517	550	33
Argentina	55	61	64	75	94	19
Bolivia	4	5	5	9	11	2
Brazil	66	75	86	71	54	-17
Colombia	31	54	75	39	45	6
Ecuador	12	11	39	44	50	6
Mexico	122	80	105	114	98	-16
Trinidad & Tobago	3	1	4	5	3	-2
Venezuela	120	125	116	149	186	37
Others	13	16	15	11	9	-2
Eastern Europe and Eurasia	473	400	404	428	410	-18
Azerbaijan	14	15	14	14	14	0
Kazakhstan	85	58	60	60	59	-1
Poland	15	9	11	15	12	-3
Romania	28	15	10	10	12	2
Russia	320	294	300	320	304	-16
Turkmenistan	11	9	9	9	9	0
Others	0	0	0	0	0	0
Western Europe	84	105	112	136	126	-10
Germany	5	7	5	6	4	-2
Italy	4	4	4	5	4	-1
Netherlands	5	7	4	9	5	-4
Norway	22	19	10	25	14	-11
United Kingdom	14	20	16	21	12	-9
Others	34	48	73	70	87	17
Middle East	302	351	463	536	553	17
IR Iran	52	54	123	133	138	5
Iraq	22	36	59	92	83	-9
Kuwait	28	56	49	49	49	0
Oman	48	41	50	43	65	22
Qatar	6	6	6	6	5	-1
Saudi Arabia	102	98	121	148	148	0
Syrian Arab Republic	19	31	27	27	22	-5
United Arab Emirates	11	13	19	26	30	4
Yemen	12	12	2	4	6	2
Others	2	4	7	8	7	-1
Africa	173	204	240	209	265	56
Algeria	27	24	33	38	49	11
Angola	5	11	22	27	28	1
Egypt	49	57	71	48	52	4
Gabon	2	4	6	6	6	0
Libya	60	60	55	23	31	8
Nigeria	18	35	38	44	59	15
Others	12	13	15	23	40	17
Asia and Pacific	1,069	1,100	1,068	1,069	1,076	7
Australia	17	16	14	23	18	-5
China	814	835	833	827	827	0
India	104	112	117	114	121	7
Indonesia	58	60	53	43	38	-5
Malaysia	13	8	8	13	12	-1
New Zealand	5	5	4	6	8	2
Pakistan	18	15	12	21	21	0
Others	40	49	27	22	31	9
Total world	4,012	4,697	5,228	5,032	5,123	91
<i>of which</i>						
OPEC	463	529	680	779	856	77
<i>OPEC percentage</i>	<i>11.5</i>	<i>11.3</i>	<i>13.0</i>	<i>15.5</i>	<i>16.7</i>	<i>7.9</i>
OECD	1,706	2,297	2,642	2,391	2,364	-28
FSU	473	400	404	428	410	-18

Notes: Figures as at year-end. Number of workover rigs for Venezuela is estimated to stand at 75 in 2013, 144 in 2012, 128 in 2011, 77 in 2010 and 64 in 2009. Average active rigs of the USA in stood at 1,089 in 2009, 1,546 in 2010, 1,879 in 2011, 1,919 in 2012 and 1,761 in 2013.

Table 3.4

Oil and gas data

Wells completed in OPEC Members

	2009	2010	2011	2012	2013	change 13/12
Algeria	265	258	249	258	191	-67
Angola	60	118	112	127	115	-12
Ecuador	160	176	207	268	316	48
IR Iran	160	186	204	323	321	-2
Iraq	55	71	76	228	313	85
Kuwait ¹	118	268	523	533	590	57
Libya	247	200	76	68	106	38
Nigeria	140	94	124	107	114	7
Qatar	94	35	29	87	32	-55
Saudi Arabia ¹	450	336	312	362	429	67
United Arab Emirates	173	182	266	304	277	-27
Venezuela	775	890	1,050	788	415	-373
OPEC ²	2,697	2,814	3,228	3,453	3,219	-234
Total world²	86,294	96,230	99,039	101,757	104,888	3,131

Notes:

1. Figures include share of wells completed from Neutral Zone.
2. Wells completed include development and exploration of oil and gas.

Producing wells in OPEC Members

	2009	2010	2011	2012	2013	change 13/12
Algeria	2,028	2,014	2,010	2,061	2,061	0
Angola	1,321	1,321	1,476	1,554	1,554	0
Ecuador	2,817	3,025	3,079	3,177	3,414	237
IR Iran	2,074	2,074	2,026	2,119	2,204	85
Iraq	1,526	1,526	1,695	1,700	1,735	35
Kuwait ¹	1,667	1,667	1,798	1,831	1,794	-37
Libya	2,060	2,060	609	1,910	1,308	-602
Nigeria	3,152	2,068	2,116	2,168	1,951	-217
Qatar	513	513	517	517	511	-6
Saudi Arabia ¹	2,811	2,895	3,245	3,407	3,372	-35
United Arab Emirates	1,456	1,458	1,592	1,640	1,722	82
Venezuela	14,651	14,651	14,915	14,959	14,809	-150
OPEC	36,076	35,272	35,078	37,043	36,435	-608
Total world	928,167	936,873	971,879	981,598	981,696	98

Notes: Excluding shut-in wells.

1. Figures include share of producing wells from Neutral Zone.

Table 3.6

Oil and gas data

Daily and cumulative crude oil production in OPEC Members (1,000 b)

Daily crude oil production (average)

	1960	1970	1980	1990	2000	2013
Algeria	181.1	1,029.1	1,019.9	783.5	796.0	1,202.6
Angola	1.1	83.9	150.0	473.8	736.1	1,701.2
Ecuador	7.5	4.1	204.1	286.1	392.2	526.4
IR Iran	1,067.7	3,829.0	1,467.4	3,135.3	3,661.3	3,575.3
Iraq	972.2	1,548.6	2,646.4	2,112.6	2,810.0	2,979.6
Kuwait ¹	1,691.8	2,989.6	1,663.7	858.6	1,996.1	2,924.7
Libya	–	3,318.0	1,831.6	1,389.1	1,347.2	993.3
Nigeria	17.4	1,083.1	2,058.0	1,726.7	2,053.6	1,753.7
Qatar	174.6	362.4	471.4	405.6	648.2	723.9
Saudi Arabia ¹	1,313.5	3,799.1	9,900.5	6,412.5	8,094.5	9,637.0
United Arab Emirates	–	779.6	1,701.9	1,762.6	2,174.7	2,796.5
Venezuela	2,846.1	3,708.0	2,165.0	2,135.2	2,891.0	2,789.5
OPEC	8,273.0	22,534.5	25,279.9	21,481.6	27,600.8	31,603.8

Notes:

1. Figures include share of production from Neutral Zone.

Cumulative crude oil production up to and including year

	1960	1970	1980	1990	2000	2013
Algeria	81,372	2,569,469	6,404,548	8,974,340	11,837,030	17,381,081
Angola	1,127	76,423	623,359	1,681,478	3,972,081	10,653,544
Ecuador	2,745	26,191	617,927	1,526,131	2,843,162	5,106,517
IR Iran	4,167,717	12,357,977	29,969,896	38,410,483	51,367,070	69,131,733
Iraq	2,750,439	7,476,078	15,826,156	22,246,208	26,918,241	37,729,618
Kuwait ¹	4,333,049	13,028,906	21,993,164	25,857,094	32,092,887	43,675,811
Libya	–	5,476,384	12,810,843	16,929,582	21,993,272	28,666,599
Nigeria	12,318	1,138,896	8,389,456	13,656,562	20,572,881	30,274,458
Qatar	451,617	1,428,583	3,199,374	4,334,808	6,032,088	9,519,232
Saudi Arabia ¹	4,345,242	13,283,848	42,306,785	61,814,608	91,266,532	132,877,051
United Arab Emirates	–	1,160,471	7,164,231	11,921,927	19,785,670	31,193,456
Venezuela	13,865,487	26,301,976	36,046,663	42,528,079	51,772,971	65,459,819
OPEC	30,011,111	84,325,201	185,352,402	249,881,299	340,453,882	481,668,916

Notes:

1. Figures include share of production from Neutral Zone.

Table 3.7

Oil and gas data

World crude oil production by country (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
North America	6,570.8	6,698.0	6,913.4	7,793.1	8,822.1	13.2
Canada	1,217.2	1,227.1	1,260.8	1,308.5	1,380.9	5.5
United States	5,353.5	5,470.8	5,652.5	6,484.6	7,441.2	14.8
Latin America	9,469.5	9,629.7	9,790.3	9,682.6	9,680.2	-
Argentina	585.9	572.7	536.9	533.4	525.4	-1.5
Brazil	1,950.4	2,054.7	2,105.4	2,061.3	2,023.9	-1.8
Chile	2.8	3.0	4.5	6.1	6.7	9.6
Colombia	670.2	784.8	914.4	941.4	1,006.7	6.9
Ecuador	464.7	476.4	500.3	503.6	526.4	4.5
Mexico	2,601.4	2,577.2	2,552.5	2,547.9	2,522.2	-1.0
Peru	71.8	72.6	69.6	66.6	62.8	-5.6
Trinidad & Tobago	107.2	98.2	92.0	81.7	81.2	-0.6
Venezuela	2,878.1	2,853.6	2,880.9	2,803.9	2,789.5	-0.5
Others	137.1	136.3	133.9	136.7	135.6	-0.8
Eastern Europe and Eurasia	12,396.4	12,646.6	12,613.0	12,624.7	12,757.3	1.1
Azerbaijan	1,014.4	1,026.7	915.9	844.5	814.7	-3.5
Kazakhstan	1,256.3	1,333.4	1,325.9	1,306.5	1,372.8	5.1
Romania	88.5	85.7	83.8	82.0	82.1	0.1
Russia	9,650.4	9,841.3	9,943.3	10,042.9	10,146.6	1.0
Turkmenistan	184.6	174.0	173.6	187.3	180.4	-3.6
Ukraine	58.1	51.4	48.7	46.0	43.7	-5.0
Others	144.2	133.9	121.7	115.5	117.1	1.4
Western Europe	3,820.0	3,529.6	3,196.3	2,888.2	2,721.6	-5.8
Denmark	261.3	246.2	221.7	201.9	176.0	-12.9
France	18.2	18.0	17.8	16.3	16.0	-1.5
Germany	54.6	49.0	51.8	51.1	51.8	1.4
Italy	82.8	96.0	99.2	101.0	101.6	0.6
Netherlands	25.5	19.9	21.4	21.6	21.6	0.4
Norway	1,980.5	1,798.6	1,680.1	1,532.8	1,463.6	-4.5
Turkey	46.2	48.3	45.7	44.8	46.2	3.3
United Kingdom	1,301.2	1,202.4	1,006.0	868.6	793.4	-8.7
Others	49.8	51.2	52.5	50.2	51.3	2.3
Middle East	20,868.5	21,030.6	23,004.8	24,106.5	23,834.5	-1.1
Bahrain	182.0	181.8	190.3	173.0	190.5	10.1
IR Iran	3,557.1	3,544.0	3,576.0	3,739.8	3,575.3	-4.4
Iraq	2,336.2	2,358.1	2,652.6	2,942.4	2,979.6	1.3
Kuwait ¹	2,261.6	2,312.1	2,658.7	2,977.6	2,924.7	-1.8
Oman	712.6	758.3	780.1	813.5	844.3	3.8
Qatar	733.0	733.4	733.5	733.6	723.9	-1.3
Saudi Arabia ¹	8,184.0	8,165.6	9,311.0	9,763.0	9,637.0	-1.3
Syrian Arab Republic	377.0	386.0	333.3	151.6	41.9	-72.4
United Arab Emirates	2,241.6	2,323.8	2,564.2	2,653.0	2,796.5	5.4
Yemen	283.4	267.5	205.1	159.2	120.7	-24.2
Africa	8,465.0	8,676.5	7,438.4	8,195.5	7,640.1	-6.8
Algeria	1,216.0	1,189.8	1,161.6	1,199.8	1,202.6	0.2
Angola	1,738.9	1,757.6	1,618.0	1,704.0	1,701.2	-0.2
Congo	274.9	295.6	295.3	277.1	266.7	-3.8
Egypt	523.1	534.1	530.4	533.1	529.8	-0.6
Equatorial Guinea	281.7	256.1	239.9	262.1	257.1	-1.9
Gabon	237.6	252.4	251.0	242.0	234.1	-3.3
Libya	1,473.9	1,486.6	489.5	1,450.0	993.3	-31.5
Nigeria	1,842.0	2,048.3	1,974.8	1,954.1	1,753.7	-10.3
Sudans	475.2	462.2	428.0	119.3	232.3	94.8
Others	401.7	393.7	449.8	454.0	469.3	3.4
Asia and Pacific	7,351.8	7,654.5	7,474.7	7,475.2	7,386.4	-1.2
Australia	463.7	480.0	413.8	405.7	332.4	-18.1
Brunei	154.6	159.4	156.5	145.7	122.1	-16.1
China	3,794.6	4,076.4	4,052.1	4,074.2	4,164.1	2.2
India	666.3	735.6	766.9	759.7	755.7	-0.5
Indonesia	826.1	824.4	794.4	763.4	711.8	-6.8
Malaysia	659.9	635.9	569.8	585.6	570.3	-2.6
New Zealand	55.9	54.9	46.8	41.1	35.2	-14.4
Others	730.8	687.9	674.5	699.9	694.7	-0.7
Total world	68,942.1	69,865.4	70,430.9	72,765.8	72,842.2	0.1
<i>of which</i>						
OPEC	28,927.1	29,249.4	30,121.2	32,424.7	31,603.8	-2.5
<i>OPEC percentage</i>	<i>42.0</i>	<i>41.9</i>	<i>42.8</i>	<i>44.6</i>	<i>43.4</i>	<i>-2.6</i>
OECD	13,524.5	13,349.9	13,129.1	13,687.8	14,453.4	5.6
FSU	12,263.8	12,516.3	12,484.1	12,495.6	12,623.1	1.0

Notes:

1. Figures include share of production from Neutral Zone.

Table 3.8

Oil and gas data

Natural gas production in OPEC Members (*million standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
Algeria						
Gross production	196,917	192,208	190,127	182,599	179,490	-1.7
Marketed production	81,426	84,615	82,767	86,454	79,647	-7.9
Flaring	5,503	4,997	3,604	3,495	3,661	4.8
Reinjection	95,007	89,080	88,745	77,375	76,241	-1.5
Shrinkage	14,981	13,516	15,011	15,275	19,940	30.5
Angola						
Gross production	10,100	10,320	10,733	10,847	10,760	-0.8
Marketed production	690	733	752	760	925	21.7
Flaring	6,907	7,042	7,183	7,259	7,001	-3.6
Reinjection	2,290	2,363	2,599	2,627	2,580	-1.8
Shrinkage	213	181	199	201	254	26.3
Ecuador						
Gross production	1,400	1,403	1,337	1,541	1,628	5.6
Marketed production	296	330	241	517	515	-0.4
Flaring	570	493	539	512	579	13.1
Reinjection	–	–	–	–	–	–
Shrinkage	534	580	557	512	534	4.3
IR Iran						
Gross production	210,335	220,123	224,122	231,332	228,887	-1.1
Marketed production	175,742	187,357	188,753	202,431	199,293	-1.6
Flaring	15,874	–	–	–	–	–
Reinjection	18,719	32,766	35,369	28,901	29,594	2.4
Shrinkage	–	–	–	–	–	–
Iraq						
Gross production	16,578	16,885	18,691	20,496	21,390	4.4
Marketed production	1,149	1,303	876	646	1,179	82.5
Flaring	6,984	7,573	9,612	11,975	12,432	3.8
Reinjection	968	809	968	875	335	-61.7
Shrinkage	7,477	7,200	7,235	7,000	7,444	6.3
Kuwait						
Gross production	11,689	11,950	13,750	15,742	16,529	5.0
Marketed production	11,489	11,733	13,533	15,515	16,311	5.1
Flaring	200	217	217	227	218	-4.0
Reinjection	–	–	–	–	–	–
Shrinkage	–	–	–	–	–	–
Libya						
Gross production	29,288	30,257	9,861	23,436	22,874	-2.4
Marketed production	15,900	16,814	7,855	18,118	18,463	1.9

Natural gas production in OPEC Members (*million standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
Libya (cont'd)						
Flaring	3,261	3,483	1,302	3,922	3,248	-17.2
Reinjection	3,570	3,400	704	1,396	1,148	-17.8
Shrinkage	6,557	6,560	–	–	15	–
Nigeria						
Gross production	56,716	71,758	84,004	84,846	79,626	-6.2
Marketed production	23,206	28,099	41,323	42,571	38,411	-9.8
Flaring	13,328	15,294	14,270	13,182	12,112	-8.1
Reinjection	14,245	21,286	22,519	20,520	21,466	4.6
Shrinkage	5,937	7,079	5,892	8,573	7,637	-10.9
Qatar						
Gross production	102,800	136,250	150,016	163,025	183,698	12.7
Marketed production	89,300	131,165	145,271	157,050	177,602	13.1
Flaring	3,966	1,023	558	703	741	5.4
Reinjection	3,886	2,067	2,109	2,656	2,706	1.9
Shrinkage	5,648	1,995	2,078	2,617	2,650	1.3
Saudi Arabia						
Gross production	89,610	97,030	102,430	111,220	114,120	2.6
Marketed production	78,450	87,660	92,260	99,330	100,030	0.7
Flaring	–	–	–	–	–	–
Reinjection	50	60	30	10	20	100.0
Shrinkage	11,110	9,310	10,140	11,880	14,070	18.4
United Arab Emirates						
Gross production	75,840	79,778	82,460	82,500	83,796	1.6
Marketed production	48,840	51,282	52,308	54,300	54,600	0.6
Flaring	967	972	982	1,020	1,021	0.1
Reinjection	22,051	22,406	23,974	22,390	23,182	3.5
Shrinkage	3,983	5,118	5,196	4,790	4,993	4.2
Venezuela						
Gross production	72,171	71,075	73,274	75,968	76,440	0.6
Marketed production	18,430	19,728	20,769	22,726	21,820	-4.0
Flaring	8,753	6,680	9,284	11,347	13,725	21.0
Reinjection	31,626	30,390	29,827	29,756	28,770	-3.3
Shrinkage	13,362	14,277	13,394	12,139	12,126	-0.1
OPEC						
Gross production	873,444	939,037	960,805	1,003,552	1,019,238	1.6
Marketed production	544,918	620,819	646,708	700,418	708,796	1.2
Flaring	66,313	47,774	47,551	53,642	54,738	2.0
Reinjection	192,412	204,627	206,844	186,506	186,041	-0.2
Shrinkage	69,802	65,816	59,702	62,987	69,663	10.6

Table 3.9

Oil and gas data

World marketed production of natural gas by country (*million standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
North America	741,940	800,612	809,923	839,521	844,726	0.6
Canada	159,530	144,537	159,714	156,547	155,601	-0.6
United States	582,410	656,075	650,209	682,974	689,125	0.9
Latin America	202,968	211,513	212,202	216,651	219,085	1.1
Argentina	41,360	40,100	38,770	37,640	36,887	-2.0
Bolivia	12,620	14,730	15,800	18,240	18,900	3.6
Brazil	10,280	12,600	14,580	16,940	21,080	24.4
Colombia	10,490	11,300	10,950	10,200	10,200	0.0
Ecuador	296	330	241	517	515	-0.4
Mexico	60,355	59,067	55,230	53,713	52,423	-2.4
Peru	3,470	7,200	11,400	11,850	13,305	12.3
Trinidad & Tobago	43,167	44,180	42,309	42,609	41,730	-2.1
Venezuela	18,430	19,728	20,769	22,726	21,820	-4.0
Others	2,500	2,278	2,153	2,216	2,225	0.4
Eastern Europe and Eurasia	717,270	786,150	819,227	808,229	834,887	3.3
Azerbaijan	16,330	18,220	15,350	16,100	16,700	3.7
Hungary	3,090	2,490	2,730	2,462	2,110	-14.3
Kazakhstan	17,680	17,580	19,050	19,490	20,400	4.7
Poland	4,110	4,240	4,150	6,193	6,090	-1.7
Romania	10,950	10,470	10,707	10,979	11,017	0.3
Russia	546,800	610,090	628,140	609,200	627,100	2.9
Turkmenistan	35,720	41,610	60,950	66,000	72,000	9.1
Ukraine	19,880	19,000	18,810	18,600	20,280	9.0
Uzbekistan	62,270	61,960	58,850	58,700	58,700	0.0
Others	440	490	490	505	490	-3.0
Western Europe	272,200	282,518	255,325	267,731	263,182	-1.7
Austria	1,590	1,669	1,776	1,906	1,362	-28.5
Croatia	1,410	1,523	1,504	1,913	1,560	-18.5
Denmark	8,450	8,190	6,610	5,725	4,846	-15.4
France	880	718	839	508	470	-7.5
Germany	14,590	12,710	11,600	12,299	11,886	-3.4
Ireland	320	388	356	373	380	1.9
Italy	8,020	8,300	8,260	8,605	7,734	-10.1
Netherlands	73,730	85,900	78,560	80,145	86,401	7.8
Norway	103,750	106,350	101,420	114,055	109,040	-4.4
United Kingdom	59,100	56,300	43,780	40,989	38,360	-6.4
Others	360	470	620	1,213	1,143	-5.8
Middle East	450,215	527,446	554,626	589,545	617,065	4.7
Bahrain	12,580	12,910	12,710	13,700	15,700	14.6
IR Iran	175,742	187,357	188,753	202,431	199,293	-1.6
Iraq	1,149	1,303	876	646	1,179	82.5

World marketed production of natural gas by country (*million standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
Kuwait	11,489	11,733	13,533	15,515	16,311	5.1
Oman	23,975	27,086	28,595	31,583	31,920	1.1
Qatar	89,300	131,165	145,271	157,050	177,602	13.1
Saudi Arabia	78,450	87,660	92,260	99,330	100,030	0.7
Syrian Arab Republic	6,510	8,940	7,870	5,800	5,300	-8.6
United Arab Emirates	48,840	51,282	52,308	54,300	54,600	0.6
Others	2,180	8,010	12,450	9,190	15,130	64.6
Africa	201,522	210,527	212,448	226,910	213,304	-6.0
Algeria	81,426	84,615	82,767	86,454	79,647	-7.9
Angola	690	733	752	760	925	21.7
Egypt	62,690	61,330	61,260	60,600	57,600	-5.0
Equatorial Guinea	5,900	6,136	6,235	6,500	6,290	-3.2
Côte d'Ivoire	1,300	1,352	1,317	1,317	1,329	0.9
Libya	15,900	16,814	7,855	18,118	18,463	1.9
Mozambique	3,600	3,744	3,548	3,600	3,631	0.9
Nigeria	23,206	28,099	41,323	42,571	38,411	-9.8
South Africa	3,600	3,744	3,531	3,200	3,200	0.0
Tunisia	1,810	2,030	1,930	1,860	1,879	1.0
Others	1,400	1,930	1,930	1,930	1,930	0.0
Asia Pacific	430,201	477,000	473,312	480,668	488,320	1.6
Australia	42,335	45,116	44,990	48,239	50,059	3.8
Bangladesh	19,750	20,100	20,100	21,820	22,860	4.8
Brunei	11,500	11,800	12,440	11,830	12,470	5.4
China	85,269	94,848	102,689	106,429	111,640	4.9
India	40,620	52,800	47,600	41,000	34,500	-15.9
Indonesia	72,400	82,600	76,250	74,200	76,000	2.4
Japan	3,740	3,397	3,696	3,273	3,090	-5.6
Malaysia	58,600	61,210	61,700	62,000	64,000	3.2
Myanmar	11,540	12,100	12,013	11,970	12,200	1.9
New Zealand	3,970	4,481	4,110	4,642	4,760	2.5
Pakistan	38,410	39,450	39,200	41,260	39,970	-3.1
Philippines	3,090	3,245	3,092	3,916	3,496	-10.7
Thailand	30,907	36,293	37,016	41,286	41,800	1.2
Vietnam	7,090	8,610	7,700	8,200	10,872	32.6
Others	980	950	716	603	603	0.0
Total world	3,016,316	3,295,766	3,337,063	3,429,255	3,480,569	1.5
<i>of which</i>						
OPEC	544,918	620,819	646,708	700,418	708,796	1.2
<i>OPEC percentage</i>	<i>18.1</i>	<i>18.8</i>	<i>19.4</i>	<i>20.4</i>	<i>20.4</i>	<i>-0.1</i>
OECD	1,132,270	1,201,968	1,179,960	1,225,223	1,226,025	0.1
FSU	698,830	768,610	801,300	788,240	815,332	3.4

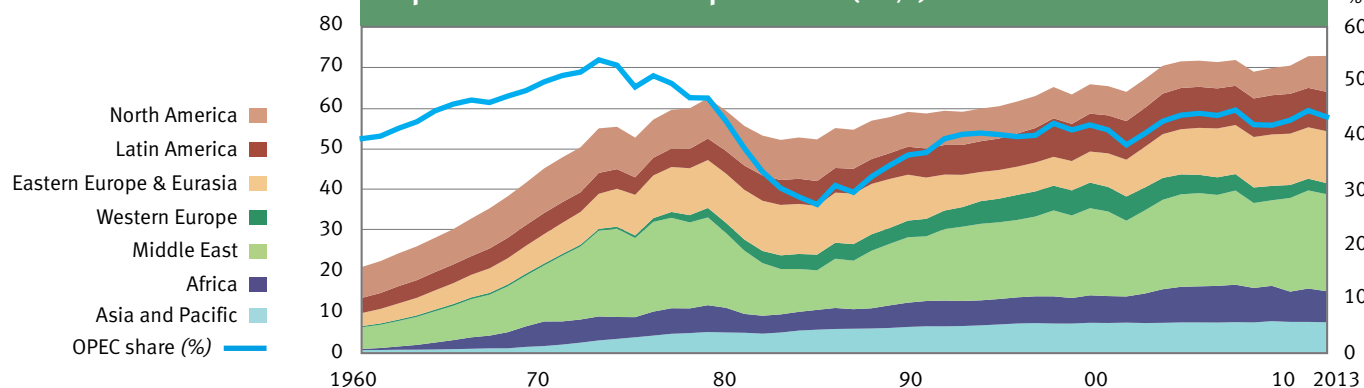
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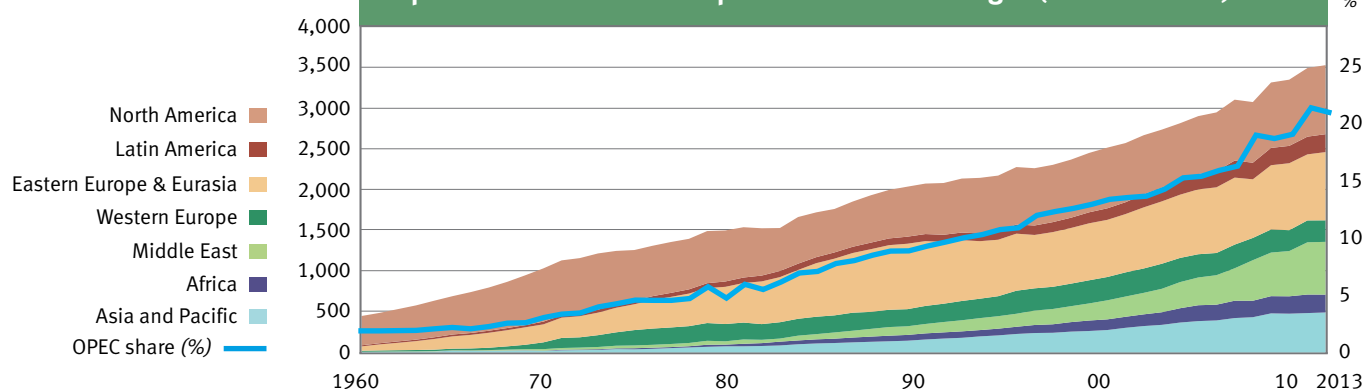


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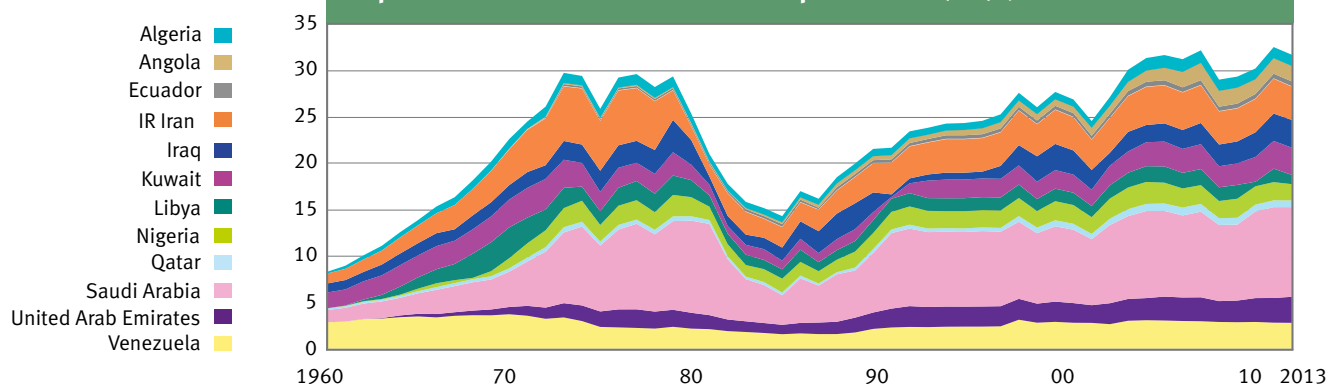
Graph 3.5: World crude oil production (m b/d)



Graph 3.6: World marketed production of natural gas (bn standard cu m)



Graph 3.7: OPEC Members' crude oil production (m b/d)



Graph 3.8: OPEC Members' marketed production of natural gas (bn standard cu m)

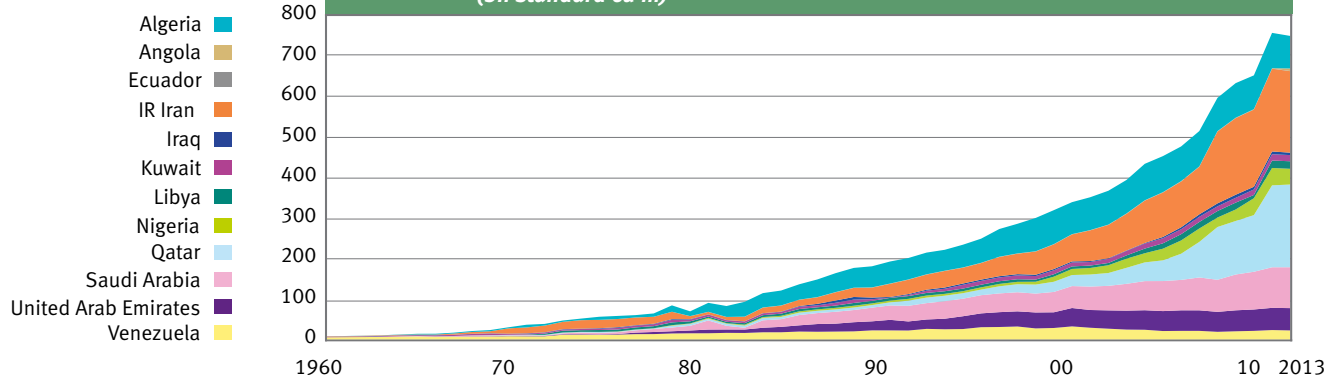


Table 3.10

Oil and gas data

Refinery capacity in OPEC Members by company and location (1,000 b/cd)

	Location	2009	2010	2011	2012	2013
Algeria		592.0	592.0	592.0	592.0	650.8
Sonatrach	Skikda	323.4	323.4	323.4	323.4	355.3
	Skikda (condensate)	122.2	122.2	122.2	122.2	122.2
	Arzew	53.8	53.8	53.8	53.8	80.8
	Alger	58.1	58.1	58.1	58.1	58.1
	Hassi Messaoud	21.5	21.5	21.5	21.5	21.5
	Adrar	12.9	12.9	12.9	12.9	12.9
Angola		39.0	39.0	39.0	39.0	39.0
Fina Petroleos de Angola	Luanda	39.0	39.0	39.0	39.0	39.0
Ecuador		188.4	188.4	188.4	188.4	190.8
Petroindustrial	Esmeraldas	110.0	110.0	110.0	110.0	110.0
	Santa Elens	45.0	45.0	45.0	45.0	45.0
	Shushufindi	20.0	20.0	20.0	20.0	20.0
Petroproduccion	Lago Agrio	1.0	1.0	1.0	1.0	1.0
	Sucumbios	1.7	1.7	1.7	1.7	1.7
Andes Petroleum	Sucumbios	3.5	3.5	3.5	3.5	3.5
Repsol YPF	Orellana	7.2	7.2	7.2	7.2	7.2
Petroproduccion	El Oro	nap	nap	nap	nap	2.4
IR Iran		1,368.0	1,715.0	1,715.0	1,715.0	1,715.0
NIOC	Abadan	360.0	360.0	360.0	360.0	360.0
	Arak	161.0	250.0	250.0	250.0	250.0
	Tehran	220.0	220.0	220.0	220.0	220.0
	Isfahan	200.0	370.0	370.0	370.0	370.0
	Tabriz	110.0	110.0	110.0	110.0	110.0
	Shiraz	40.0	40.0	40.0	40.0	40.0
	Kermanshah	25.0	25.0	25.0	25.0	25.0
	Lavan	20.0	20.0	20.0	20.0	20.0
	Bandar Abbas	232.0	320.0	320.0	320.0	320.0
Iraq		818.1	810.0	810.0	820.0	830.0
INOC	Baiji	305.8	310.0	310.0	310.0	310.0
	Daura	142.3	140.0	140.0	140.0	140.0
	Basrah	140.0	140.0	140.0	140.0	140.0
	Diwania	10.0	10.0	10.0	20.0	20.0
	Kask	10.0	10.0	10.0	10.0	10.0
	Haditha	16.0	16.0	16.0	16.0	16.0
	Kirkuk	30.0	30.0	30.0	30.0	30.0
	Sainia	30.0	20.0	20.0	20.0	30.0
	Najaf	30.0	30.0	30.0	30.0	30.0
	Samawa	30.0	30.0	30.0	30.0	30.0
	Nasiriah	30.0	30.0	30.0	30.0	30.0
	Missan	30.0	30.0	30.0	30.0	30.0
	Qaiarah	14.0	14.0	14.0	14.0	14.0

Table 3.10

Oil and gas data

Refinery capacity in OPEC Members by company and location (1,000 b/cd)

	Location	2009	2010	2011	2012	2013
Kuwait		936.0	936.0	936.0	936.0	936.0
KNPC	Mina Al-Ahmadi	466.0	466.0	466.0	466.0	466.0
	Shuaiba	200.0	200.0	200.0	200.0	200.0
	Mina Abdullah	270.0	270.0	270.0	270.0	270.0
Libya		380.0	380.0	380.0	380.0	380.0
NOC	Zawia	120.0	120.0	120.0	120.0	120.0
	Marsa El-Brega	10.0	10.0	10.0	10.0	10.0
	Ras Lanuf	220.0	220.0	220.0	220.0	220.0
	Tobruk	20.0	20.0	20.0	20.0	20.0
	Sarir	10.0	10.0	10.0	10.0	10.0
Nigeria		445.0	445.0	445.0	445.0	445.0
WRPC	Warri	125.0	125.0	125.0	125.0	125.0
KRPC	Kaduna	110.0	110.0	110.0	110.0	110.0
PHRC	Port Hartcourt	60.0	60.0	60.0	60.0	60.0
	Port Hartcourt New	150.0	150.0	150.0	150.0	150.0
Qatar		137.0	137.0	137.0	137.0	137.0
Qatar Petroleum	Mesaieed	137.0	137.0	137.0	137.0	137.0
Saudi Arabia		2,109.0	2,109.0	2,107.0	2,107.0	2,507.0
Saudi Aramco	Ras Tanura	550.0	550.0	550.0	550.0	550.0
	Jeddah	88.0	88.0	88.0	88.0	88.0
	Riyadh	124.0	124.0	124.0	124.0	124.0
	Yanbu	235.0	235.0	235.0	235.0	235.0
Saudi Aramco/Mobil	Samrif	400.0	400.0	400.0	400.0	400.0
Saudi Aramco/Shell	Sasref	310.0	310.0	310.0	310.0	310.0
Saudi Aramco/Petrola	Rabigh	402.0	402.0	400.0	400.0	400.0
Saudi Aramco/Total	Satorp	nap	nap	nap	nap	400.0
United Arab Emirates		675.0	675.0	675.0	675.0	707.0
ADNOC	Al-Ruwais	400.0	400.0	400.0	400.0	400.0
	Umm Al-Narr	85.0	85.0	85.0	85.0	85.0
Metro Oil	Fujairah	70.0	70.0	70.0	70.0	82.0
Emirate Oil	Jebel Ali	120.0	120.0	120.0	120.0	140.0
Venezuela¹		1,873.6	1,867.9	1,872.0	1,872.0	1,855.0
PDVSA	Amuay	600.0	600.0	600.0	600.0	600.0
	Cardon	340.0	340.0	340.0	340.0	340.0
	Bajo Grande	3.5	2.4	4.1	4.1	5.0
	Puerto La Cruz	195.5	195.5	195.5	195.5	195.5
	San Roque	5.2	5.2	5.2	5.2	5.2
	El Palito	126.9	126.9	126.9	126.9	126.9
	Petropiar ²	153.1	190.8	184.2	184.2	145.8
	Petromonagas ²	131.0	130.7	130.4	130.4	132.2
	Petrocedeno ²	184.0	195.8	175.3	175.3	181.7
	Petrozuata ²	134.4	80.5	110.4	110.4	122.7
OPEC		9,561.0	9,894.2	9,896.3	9,906.3	10,392.6

Notes:

1. Total refinery capacity for Venezuela also includes upgrader refinery data.

2. Upgrader refinery capacity.

Table 3.11

Oil and gas data

World refinery capacity by country (1,000 b/cd)

	2009	2010	2011	2012	2013	% change 13/12
North America	19,653.8	19,487.9	19,775.4	19,377.7	19,865.1	2.5
Canada	1,975.8	1,912.9	2,039.4	2,049.7	2,049.7	–
USA	17,678.0	17,575.0	17,736.0	17,328.0	17,815.4	2.8
Latin America	8,473.9	8,394.3	8,632.7	8,645.3	8,742.4	1.1
Argentina	626.1	627.1	627.1	630.6	630.6	–
Brazil	1,908.3	1,908.3	1,908.3	1,917.3	2,102.0	9.6
Colombia	285.9	285.9	290.9	290.9	290.9	–
Ecuador	188.4	188.4	188.4	188.4	190.8	1.3
Mexico	1,540.0	1,540.0	1,690.0	1,690.0	1,690.0	–
Netherland Antilles	320.0	320.0	320.0	320.0	320.0	–
Trinidad & Tobago	168.0	168.0	168.0	168.0	168.0	–
Venezuela ¹	1,873.6	1,867.9	1,872.0	1,872.0	1,855.0	–0.9
Virgin Islands	500.0	500.0	500.0	500.0	500.0	–
Others	1,063.8	988.9	1,068.2	1,068.2	995.2	–6.8
Eastern Europe and Eurasia	9,787.4	9,894.4	9,978.2	10,163.2	10,087.7	–0.7
Azerbaijan	399.0	399.0	399.0	399.0	399.0	–
Belarus	493.3	493.3	493.3	493.3	493.3	–
Kazakhstan	345.1	345.1	345.1	345.1	345.1	–
Poland	493.0	493.0	493.0	493.0	493.0	–
Romania	516.6	516.6	537.3	537.3	461.8	–14.1
Russia	5,401.0	5,508.0	5,569.0	5,754.0	5,754.0	–
Ukraine	879.8	879.8	879.8	879.8	879.8	–
Others	1,259.8	1,259.8	1,261.8	1,261.8	1,261.8	–
Western Europe	15,439.2	15,443.2	15,155.9	14,960.9	14,097.6	–5.8
Belgium	797.6	797.6	740.3	739.8	739.8	–
France	1,986.2	1,983.7	1,843.8	1,718.8	1,508.4	–12.2
Germany	2,417.5	2,410.7	2,417.7	2,417.2	2,417.2	–
Italy	2,337.2	2,337.2	2,337.2	2,337.2	2,115.7	–9.5
Netherlands	1,207.7	1,205.7	1,208.6	1,196.6	1,196.6	–
Spain	1,271.5	1,271.5	1,271.5	1,271.5	1,291.5	1.6
United Kingdom	1,857.7	1,866.2	1,766.2	1,767.2	1,524.4	–13.7
Others	3,563.7	3,570.6	3,570.6	3,512.7	3,304.1	–5.9
Middle East	7,088.4	7,427.3	7,425.3	7,435.3	7,877.3	5.9
IR Iran	1,368.0	1,715.0	1,715.0	1,715.0	1,715.0	–
Iraq	818.1	810.0	810.0	820.0	830.0	1.2
Kuwait	936.0	936.0	936.0	936.0	936.0	–
Qatar	137.0	137.0	137.0	137.0	137.0	–
Saudi Arabia	2,109.0	2,109.0	2,107.0	2,107.0	2,507.0	19.0
UAE	675.0	675.0	675.0	675.0	707.0	4.7
Others	1,045.3	1,045.3	1,045.3	1,045.3	1,045.3	–
Africa	3,362.3	3,362.3	3,383.6	3,381.6	3,460.5	2.3
Algeria	592.0	592.0	592.0	592.0	650.8	9.9
Angola	39.0	39.0	39.0	39.0	39.0	–
Egypt	726.3	726.3	726.3	726.3	726.3	–
South Africa	485.3	485.3	486.5	484.5	484.5	–
Libya	380.0	380.0	380.0	380.0	380.0	–
Nigeria	445.0	445.0	445.0	445.0	445.0	–
Others	694.8	694.8	714.8	714.8	734.8	2.8

Table 3.11

Oil and gas data

World refinery capacity by country (1,000 b/cd)

	2009	2010	2011	2012	2013	% change 13/12
Asia and Pacific	27,382.3	28,314.3	29,066.2	30,093.5	30,343.4	0.8
Australia	696.3	724.7	757.2	760.1	674.1	-11.3
China	9,478.8	10,302.2	10,834.3	11,547.3	11,787.3	2.1
India	3,574.0	3,723.0	3,883.6	4,278.8	4,319.0	0.9
Indonesia	992.7	1,011.8	1,011.8	1,011.8	1,011.8	–
Japan	4,873.4	4,516.4	4,499.2	4,477.4	4,339.7	-3.1
South Korea	2,606.5	2,701.5	2,721.5	2,759.5	2,958.5	7.2
Singapore	1,344.0	1,357.0	1,357.0	1,357.0	1,344.5	-0.9
Taiwan	1,290.0	1,310.0	1,310.0	1,310.0	1,310.0	–
Others	2,526.5	2,667.7	2,691.5	2,591.5	2,598.5	0.3
Total world	91,187.4	92,323.7	93,417.1	94,057.4	94,473.9	0.4
<i>of which</i>						
OPEC	9,561.0	9,894.2	9,896.3	9,906.3	10,392.6	4.9
<i>OPEC percentage</i>	<i>10.5</i>	<i>10.7</i>	<i>10.6</i>	<i>10.5</i>	<i>11.0</i>	<i>4.8</i>
OECD	45,579.9	45,184.4	45,369.8	44,796.3	44,395.7	-0.9
FSU	7,799.3	7,906.3	7,969.3	8,154.3	8,154.3	–

Notes:

1. Total refinery capacity for Venezuela also includes upgrader refinery data.

Table 3.12

Charge refinery capacity in OPEC Members, 2013 (1,000 b/cd)

	Vacuum distillation	Thermal operations	Catalytic cracking	Catalytic reforming	Catalytic hydrocracking	Catalytic hydrotreating
Algeria	10.7	–	7.1	89.7	–	3.8
Angola	2.5	8.7	–	2.4	–	–
Ecuador	45.3	31.5	18.0	10.0	–	27.5
IR Iran	624.0	104.0	40.0	197.4	145.0	–
Iraq	121.1	–	–	77.6	38.0	–
Kuwait	341.8	80.0	43.0	54.6	204.5	243.9
Libya	–	–	–	17.9	–	–
Nigeria	132.2	2.3	86.0	73.5	–	110.8
Qatar	–	–	28.0	24.6	–	54.0
Saudi Arabia	–	–	–	–	–	–
United Arab Emirates	90.0	–	–	81.2	68.0	168.0
Venezuela	682.0	273.0	192.3	47.5	–	162.5
OPEC	2,049.6	499.6	414.4	676.4	455.5	770.5

Table 3.13

Oil and gas data

Output of refined petroleum products in OPEC Members (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
Algeria	411.6	631.5	501.3	451.5	506.0	12.1
Gasoline	60.9	69.5	51.3	50.8	48.7	-4.1
Kerosene	57.2	34.1	24.3	24.3	36.1	48.5
Distillates	166.5	180.7	154.3	126.4	148.6	17.5
Residuals	92.6	118.7	117.0	86.7	113.0	30.4
Others	34.3	228.5	154.4	163.3	159.5	-2.3
Angola	46.2	47.0	39.4	38.7	45.4	17.4
Gasoline	0.9	1.3	1.3	1.5	1.5	-1.3
Kerosene	10.0	8.5	7.0	7.8	9.2	18.1
Distillates	10.4	10.6	10.6	10.8	12.1	11.9
Residuals	13.7	12.4	16.4	16.3	16.9	3.9
Others	11.2	14.2	4.1	2.4	5.8	145.7
Ecuador	189.3	185.1	217.3	132.9	210.0	58.0
Gasoline	46.1	41.4	55.3	28.3	65.1	129.6
Kerosene	8.2	8.1	8.3	8.2	8.6	4.8
Distillates	35.6	32.8	37.9	42.1	32.3	-23.2
Residuals	66.9	60.1	67.8	32.6	54.6	67.4
Others	32.5	42.7	48.0	21.6	49.4	128.7
IR Iran	1,726.1	1,743.3	1,748.7	1,811.9	1,918.4	5.9
Gasoline	332.6	346.3	308.5	418.6	455.7	8.9
Kerosene	119.2	130.2	116.9	124.5	124.5	-
Distillates	556.3	565.5	598.1	555.6	588.6	5.9
Residuals	494.4	472.0	487.2	476.3	512.8	7.7
Others	223.7	229.3	238.0	237.0	237.0	0.0
Iraq	456.6	513.2	613.2	580.4	601.3	3.6
Gasoline	60.1	71.8	75.4	76.4	85.9	12.5
Kerosene	47.8	51.5	87.4	44.5	41.6	-6.5
Distillates	85.5	102.2	130.1	127.6	132.4	3.7
Residuals	210.9	246.5	217.2	282.4	293.0	3.7
Others	52.2	41.2	103.2	49.5	48.4	-2.2
Kuwait	892.7	979.4	881.9	1,057.0	992.1	-6.1
Gasoline	55.7	54.9	56.9	52.4	59.2	12.9
Kerosene	182.6	182.6	176.9	180.8	187.8	3.9
Distillates	300.6	243.5	244.8	227.6	248.3	9.1
Residuals	144.4	204.8	180.2	199.8	179.8	-10.0
Others	209.4	293.7	223.1	396.4	317.0	-20.0
Libya	348.5	367.2	340.5	148.3	144.8	-2.3
Gasoline	17.6	16.2	17.7	15.1	17.3	14.8
Kerosene	41.9	43.3	47.5	16.2	16.4	1.3
Distillates	89.4	96.4	78.8	46.2	41.8	-9.5
Residuals	131.3	141.1	137.0	41.4	43.9	5.9
Others	68.4	70.1	59.5	29.4	25.4	-13.5

Table 3.13

Oil and gas data

Output of refined petroleum products in OPEC Members (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
Nigeria	41.5	87.7	100.3	82.3	88.5	7.5
Gasoline	10.5	23.9	29.7	27.4	30.4	10.8
Kerosene	7.0	13.7	16.0	12.9	15.8	22.6
Distillates	10.6	20.6	21.8	18.8	18.4	-2.3
Residuals	12.3	24.1	25.2	18.4	20.7	12.3
Others	1.1	5.3	7.7	4.8	3.3	-31.7
Qatar	126.3	133.0	127.0	122.7	113.3	-7.6
Gasoline	40.7	44.5	43.5	42.3	38.0	-10.0
Kerosene	22.8	24.6	23.3	23.3	21.6	-7.7
Distillates	31.8	27.5	27.4	31.9	22.3	-30.3
Residuals	4.2	4.8	3.7	3.8	6.3	66.3
Others	26.8	31.6	29.0	21.3	25.2	18.0
Saudi Arabia	1,911.0	1,914.0	1,856.7	1,927.1	1,841.7	-4.4
Gasoline	355.1	375.6	390.6	398.6	369.0	-7.4
Kerosene	174.0	168.2	166.4	174.3	162.9	-6.6
Distillates	623.8	633.5	628.5	639.7	602.1	-5.9
Residuals	497.6	445.4	416.9	508.4	455.3	-10.4
Others	260.5	291.3	254.3	206.1	252.4	22.5
United Arab Emirates	314.9	355.4	446.2	454.3	442.0	-2.7
Gasoline	35.6	43.1	57.3	65.3	71.3	9.1
Kerosene	97.0	101.7	134.8	147.8	150.8	2.0
Distillates	73.1	79.5	99.8	85.8	82.7	-3.6
Residuals	15.3	15.9	18.3	15.8	19.6	24.3
Others	93.9	115.2	136.0	139.7	117.8	-15.7
Venezuela	1,232.4	1,089.1	1,123.9	1,232.0	1,245.1	1.1
Gasoline	307.5	306.1	300.2	294.6	293.1	-0.5
Kerosene	79.2	72.4	78.2	71.2	67.7	-4.9
Distillates	339.2	326.7	272.5	269.2	255.2	-5.2
Residuals	308.8	256.3	305.0	303.7	312.4	2.8
Others	197.7	127.6	168.1	293.2	316.7	8.0
OPEC	7,697.1	8,045.9	7,996.3	8,039.0	8,148.7	1.4
Gasoline	1,323.3	1,394.5	1,387.9	1,471.3	1,535.0	4.3
Kerosene	846.8	839.0	887.0	835.9	842.9	0.8
Distillates	2,322.9	2,319.5	2,304.5	2,181.6	2,184.6	0.1
Residuals	1,992.5	2,002.1	1,991.8	1,985.5	2,028.2	2.2
Others	1,211.6	1,490.8	1,425.2	1,564.7	1,557.8	-0.4

Notes: Data may include production of gas plants, GTL, upgrader and condensate refineries.

Table 3.14

Oil and gas data

World output of refined petroleum products by country (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
North America	19,845	20,468	20,579	20,491	20,944	2.2
Canada	1,962	2,016	1,906	1,927	2,072	7.5
United States	17,882	18,452	18,673	18,564	18,873	1.7
Latin America	7,799	7,311	7,609	7,412	7,666	3.4
Argentina	620	622	617	651	679	4.4
Brazil	2,236	2,108	2,212	2,064	2,173	5.3
Colombia	287	313	303	279	282	1.0
Ecuador	189	185	217	133	210	58.0
Mexico	1,525	1,421	1,417	1,438	1,517	5.5
Netherland Antilles	200	89	173	147	147	–
Trinidad & Tobago	134	115	138	85	125	47.5
Venezuela	1,232	1,089	1,124	1,232	1,245	1.1
Virgin Islands	456	424	466	462	460	–0.3
Others	919	946	942	922	827	–10.2
Eastern Europe and Eurasia	9,246	9,218	9,168	9,060	9,013	–0.5
Azerbaijan	125	134	126	118	126	7.2
Belarus	428	346	412	408	404	–1.0
Kazakhstan	284	300	300	300	310	3.3
Poland	462	507	531	551	536	–2.7
Romania	261	219	214	216	215	–0.5
Russia	6,425	6,429	6,432	6,436	6,416	–0.3
Ukraine	257	262	209	113	88	–22.1
Others	1,004	1,022	944	918	918	–
Western Europe	13,397	13,159	12,906	12,714	12,316	–3.1
Belgium	693	720	667	715	642	–10.3
France	1,694	1,550	1,554	1,321	1,261	–4.5
Germany	2,333	2,198	2,184	2,206	2,138	–3.1
Italy	1,823	1,887	1,780	1,679	1,495	–11.0
Netherlands	1,239	1,248	1,231	1,221	1,185	–3.0
Spain	1,211	1,189	1,152	1,247	1,239	–0.6
United Kingdom	1,584	1,549	1,637	1,493	1,440	–3.5
Others	2,819	2,818	2,702	2,832	2,917	3.0
Middle East	6,507	6,759	6,471	6,702	6,607	–1.4
IR Iran	1,726	1,743	1,749	1,812	1,918	5.9
Iraq	457	513	613	580	601	3.6
Kuwait	893	979	882	1,057	992	–6.1
Qatar	126	133	127	123	113	–7.6
Saudi Arabia	1,911	1,914	1,857	1,927	1,842	–4.4
United Arab Emirates	315	355	446	454	442	–2.7
Others	1,080	1,121	797	749	698	–6.8
Africa	2,252	2,620	2,421	2,197	2,145	–2.3
Algeria	412	632	501	452	506	12.1
Angola	46	47	39	39	45	17.4
Egypt	618	603	540	532	445	–16.4
Libya	349	367	340	148	145	–2.3
Nigeria	41	88	100	82	89	7.5
Others	786	884	900	943	916	–2.9
Asia and Pacific	24,207	25,848	25,996	26,585	26,884	1.1
Australia	675	675	682	657	628	–4.4
China	8,578	9,517	9,843	10,133	10,189	0.6
India	3,162	3,715	3,932	4,097	4,374	6.8
Indonesia	1,184	1,191	973	900	902	0.2
Japan	3,863	3,838	3,642	3,625	3,661	1.0
South Korea	2,476	2,538	2,685	2,788	2,695	–3.3
Singapore	1,110	1,185	1,075	1,089	1,115	2.4
Chinese Tapei	997	928	870	932	910	–2.3
Others	2,163	2,261	2,295	2,365	2,409	1.9
Total world	83,253	85,384	85,151	85,161	85,576	0.5
<i>of which</i>						
OPEC	7,697	8,046	7,996	8,039	8,149	1.4
<i>OPEC percentage</i>	<i>9.2</i>	<i>9.4</i>	<i>9.4</i>	<i>9.4</i>	<i>9.5</i>	<i>0.9</i>
OECD	42,806	43,171	43,132	42,927	42,963	0.1
FSU	7,916	7,882	7,816	7,712	7,688	–0.3

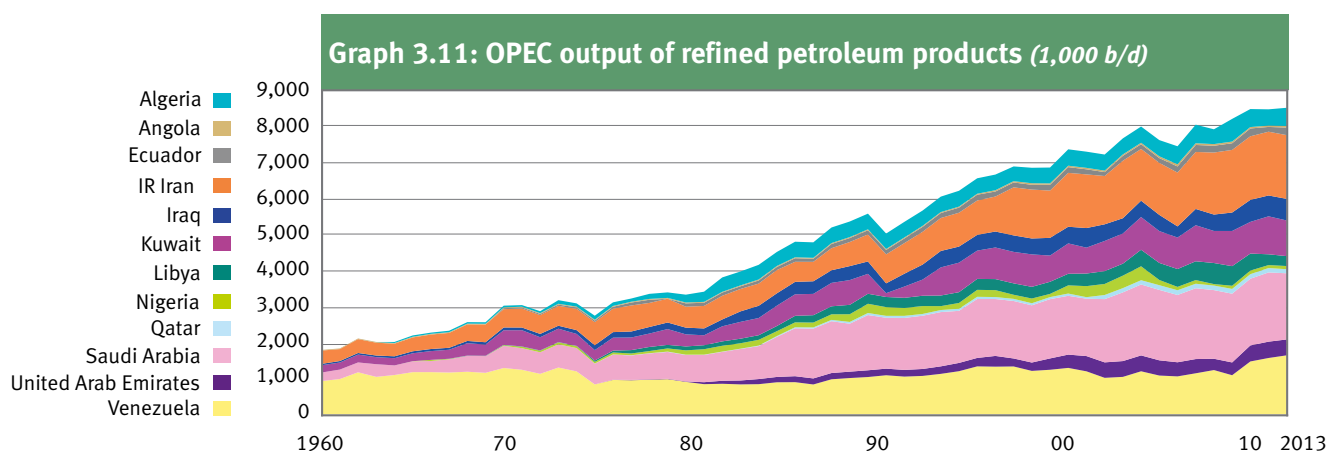
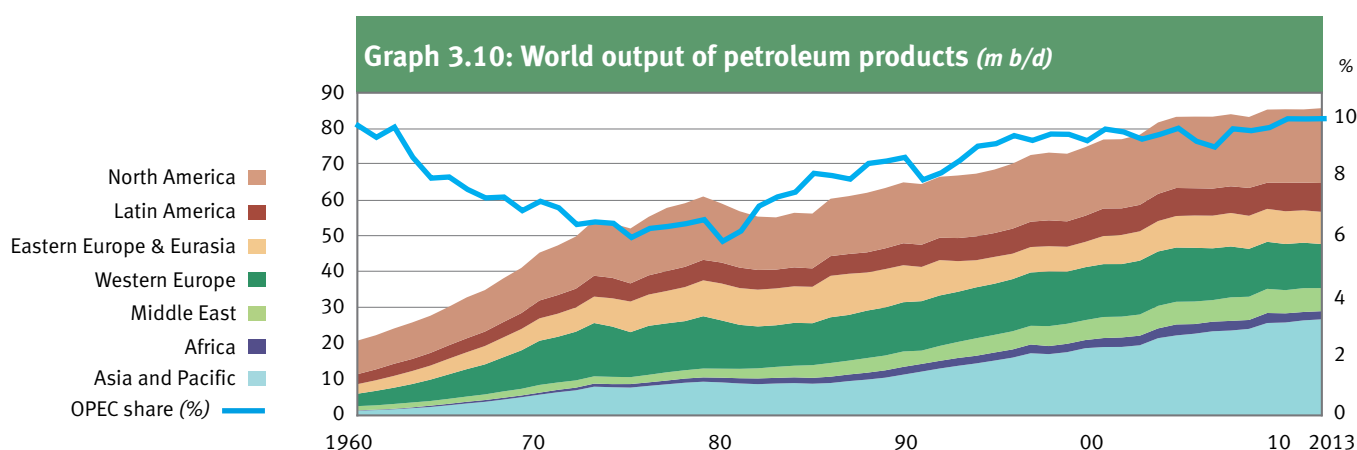
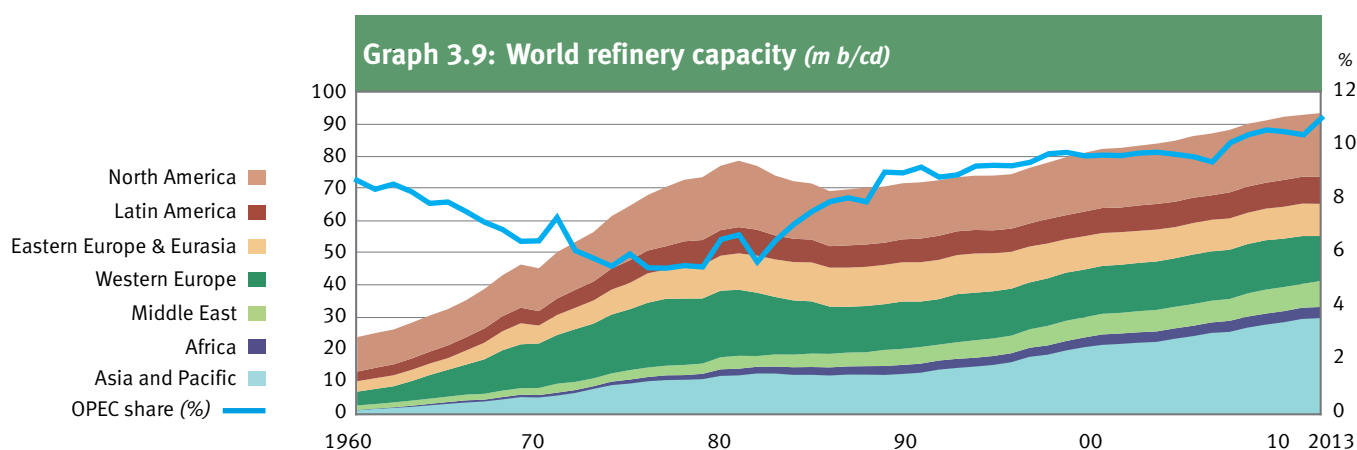


Table 3.15

Oil and gas data

Oil demand by main petroleum products in OPEC Members (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
Algeria	315.4	343.6	329.5	351.1	376.8	7.3
Gasoline	54.7	68.3	67.4	79.3	80.7	1.7
Kerosene	9.6	9.9	10.1	11.2	11.3	1.3
Distillates	164.3	184.4	177.1	187.5	207.1	10.4
Residuals	5.0	5.2	4.0	4.0	4.5	13.1
Others	81.9	75.8	70.8	69.1	73.2	6.0
Angola	86.6	94.9	104.6	118.7	128.1	7.9
Gasoline	19.5	20.8	23.2	25.8	28.6	10.7
Kerosene	6.4	7.8	9.0	10.1	11.3	11.9
Distillates	46.4	51.0	56.5	65.7	70.1	6.7
Residuals	6.6	6.8	7.2	7.9	8.8	10.8
Others	7.6	8.5	8.7	9.2	9.4	2.3
Ecuador	222.4	241.7	257.9	263.9	269.9	2.3
Gasoline	39.3	42.4	44.4	49.8	50.8	1.8
Kerosene	7.5	7.5	7.5	7.3	7.9	8.6
Distillates	74.3	84.4	81.6	79.5	88.9	11.9
Residuals	49.6	49.3	58.8	60.1	56.9	-5.4
Others	51.8	58.0	65.7	67.2	65.5	-2.6
IR Iran	1858.8	1820.4	1784.3	1764.7	1775.8	0.6
Gasoline	423.1	399.6	372.3	393.4	394.5	0.3
Kerosene	206.6	184.6	142.1	104.2	104.5	0.3
Distillates	560.0	547.5	592.2	618.1	619.8	0.3
Residuals	386.3	400.5	378.3	342.7	343.7	0.3
Others	282.8	288.2	299.5	306.2	313.3	2.3
Iraq	662.6	693.9	751.7	802.8	835.2	4.0
Gasoline	99.3	115.2	129.0	136.9	134.3	-1.9
Kerosene	66.1	67.4	66.5	64.8	67.0	3.4
Distillates	108.8	109.9	139.4	156.4	159.3	1.9
Residuals	129.7	143.7	154.0	158.9	173.5	9.2
Others	258.7	257.6	262.8	285.8	301.1	5.4
Kuwait	340.6	358.2	361.0	377.0	383.2	1.7
Gasoline	56.9	62.9	59.1	62.6	65.7	5.0
Kerosene	17.4	17.7	18.1	19.0	19.3	1.2
Distillates	56.1	58.4	51.8	54.1	56.7	4.8
Residuals	124.6	123.6	133.7	135.0	131.8	-2.4
Others	85.6	95.5	98.4	106.2	109.8	3.3
Libya	272.9	301.1	231.3	236.0	250.0	5.9
Gasoline	66.8	75.9	62.8	72.9	88.5	21.4
Kerosene	12.3	13.8	9.1	17.3	9.4	-45.3
Distillates	104.9	115.5	82.9	70.2	98.0	39.6
Residuals	51.3	57.8	50.3	45.8	38.7	-15.4
Others	37.5	38.1	26.3	29.8	15.3	-48.6

Table 3.15

Oil and gas data

Oil demand by main petroleum products in OPEC Members (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
Nigeria	233.4	270.6	311.4	343.6	384.9	12.0
Gasoline	168.2	191.5	215.3	241.3	273.9	13.5
Kerosene	25.3	30.6	43.6	47.7	53.3	11.7
Distillates	28.2	35.8	43.3	45.1	48.8	8.2
Residuals	10.9	11.9	8.2	8.6	8.0	-7.5
Others	0.8	0.8	0.9	1.0	1.0	8.2
Qatar	101.5	106.9	122.8	123.3	147.0	19.2
Gasoline	24.7	25.1	26.9	31.5	29.6	-6.0
Kerosene	21.0	27.7	36.8	40.3	57.5	42.5
Distillates	36.3	38.9	39.8	32.6	39.6	21.4
Residuals	–	–	–	–	–	–
Others	19.5	15.3	19.3	18.8	20.3	7.6
Saudi Arabia	2,362.4	2,599.5	2,727.1	2,872.7	2,994.0	4.2
Gasoline	397.6	414.7	445.1	480.7	504.5	5.0
Kerosene	60.9	63.7	65.5	67.7	70.0	3.5
Distillates	605.0	618.9	651.0	710.8	729.7	2.6
Residuals	275.5	275.4	310.9	318.8	364.1	14.2
Others	1,023.4	1,226.8	1,254.5	1,294.8	1,325.8	2.4
United Arab Emirates	565.3	591.1	617.9	638.0	655.2	2.7
Gasoline	91.3	96.1	105.5	127.9	134.0	4.8
Kerosene	94.2	98.0	102.1	95.7	102.8	7.4
Distillates	96.1	97.0	92.4	94.3	92.4	-2.0
Residuals	250.2	265.7	282.9	284.8	290.5	2.0
Others	33.5	34.3	35.0	35.3	35.5	0.5
Venezuela	679.6	675.1	741.7	786.3	831.1	5.7
Gasoline	289.9	290.0	292.9	301.8	299.1	-0.9
Kerosene	5.7	6.5	5.7	7.5	6.6	-13.0
Distillates	153.4	169.0	182.8	217.8	249.1	14.4
Residuals	64.5	62.1	63.4	46.9	48.5	3.4
Others	166.1	147.5	196.9	212.2	227.9	7.4
OPEC	7,701.5	8,096.9	8,341.2	8,678.2	9,031.4	4.1
Gasoline	1,731.2	1,802.4	1,843.7	2,004.1	2,084.2	4.0
Kerosene	532.9	535.3	516.2	492.7	520.8	5.7
Distillates	2,033.9	2,110.7	2,190.7	2,332.1	2,459.4	5.5
Residuals	1,354.2	1,402.1	1,451.7	1,413.6	1,469.0	3.9
Others	2,049.2	2,246.3	2,338.8	2,435.7	2,498.1	2.6

Table 3.16

Oil and gas data

World oil demand by country (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
North America	20,936.7	21,447.6	21,217.7	20,821.2	21,193.6	1.8
Canada	2,162.9	2,264.5	2,266.0	2,277.2	2,291.2	0.6
United States	18,771.3	19,180.5	18,949.2	18,541.6	18,899.9	1.9
Others	2.6	2.6	2.5	2.5	2.5	2.0
Latin America	8,338.4	8,545.6	8,809.7	9,075.0	9,266.9	2.1
Argentina	600.2	631.4	652.3	669.2	688.8	2.9
Brazil	2,572.1	2,714.2	2,797.6	2,895.1	3,012.6	4.1
Colombia	276.1	277.8	283.3	289.3	295.0	2.0
Ecuador	222.4	241.7	257.9	263.9	269.9	2.3
Mexico	2,070.6	2,080.4	2,113.4	2,144.2	2,105.1	-1.8
Venezuela	679.6	675.1	741.7	786.3	831.1	5.7
Others	1,917.5	1,925.0	1,963.4	2,027.1	2,064.2	1.8
Eastern Europe and Eurasia	5,297.1	5,477.0	5,590.9	5,659.4	5,694.7	0.6
Czech Republic	205.4	201.4	197.0	195.3	189.6	-2.9
Hungary	158.1	149.1	143.3	132.8	134.3	1.1
Kazakhstan	253.4	261.8	271.5	275.5	287.9	4.5
Poland	540.8	564.3	559.3	522.0	495.5	-5.1
Romania	176.1	165.6	163.3	166.8	167.3	0.3
Russia	2,935.7	3,199.3	3,306.1	3,393.9	3,435.4	1.2
Slovakia	80.5	83.6	82.0	71.5	72.3	1.1
Ukraine	288.3	281.4	277.0	282.6	275.0	-2.7
Others	658.8	570.6	591.4	619.0	637.5	3.0
Western Europe	14,061.5	14,008.1	13,617.7	13,164.1	13,004.2	-1.2
France	1,868.4	1,833.4	1,792.4	1,739.6	1,728.6	-0.6
Germany	2,453.0	2,469.8	2,396.8	2,388.2	2,405.3	0.7
Italy	1,544.1	1,544.4	1,493.8	1,352.8	1,288.6	-4.7
Netherlands	1,005.2	1,019.8	1,016.4	1,020.6	967.5	-5.2
Spain	1,467.2	1,440.9	1,385.5	1,288.9	1,199.1	-7.0
United Kingdom	1,636.4	1,621.4	1,583.9	1,502.6	1,518.8	1.1
Others	4,087.2	4,078.4	3,949.0	3,871.3	3,896.3	0.6
Middle East	7,096.1	7,369.9	7,583.8	7,869.0	8,050.6	2.3
IR Iran	1,858.8	1,820.4	1,784.3	1,764.7	1,775.8	0.6
Iraq	662.6	693.9	751.7	802.8	835.2	4.0
Kuwait	340.6	358.2	361.0	377.0	383.2	1.7
Qatar	101.5	106.9	122.8	123.3	147.0	19.2
Saudi Arabia	2,362.4	2,599.5	2,727.1	2,872.7	2,994.0	4.2
Syrian Arab Republic	347.2	320.1	313.5	310.1	278.1	-10.3
United Arab Emirates	565.3	591.1	617.9	638.0	655.2	2.7
Others	857.7	879.9	905.5	980.4	982.0	0.2
Africa	3,228.8	3,348.8	3,375.1	3,465.7	3,549.8	2.4
Algeria	315.4	343.6	329.5	351.1	376.8	7.3
Angola	86.6	94.9	104.6	118.7	128.1	7.9
Egypt	702.6	716.4	751.1	747.5	756.3	1.2
Libya	272.9	301.1	231.3	236.0	250.0	5.9
Nigeria	233.4	270.6	311.4	343.6	384.9	12.0
South Africa	540.7	526.7	556.8	563.6	536.9	-4.7
Tunisia	85.2	86.8	87.4	89.5	89.7	0.3
Others	991.9	1,008.7	1,003.0	1,015.6	1,027.0	1.1
Asia and Pacific	25,874.1	27,078.8	27,886.6	28,902.2	29,245.8	1.2
Australia	1,041.7	1,059.9	1,104.9	1,126.1	1,133.8	0.7
China	8,253.9	8,951.2	9,409.9	9,739.0	10,067.8	3.4
India	3,231.1	3,305.9	3,432.6	3,649.4	3,698.3	1.3
Indonesia	1,285.8	1,332.5	1,370.6	1,405.7	1,430.7	1.8
Japan	4,389.8	4,455.0	4,470.6	4,726.2	4,544.9	-3.8
New Zealand	150.5	151.8	150.7	149.7	152.7	2.0
South Korea	2,188.5	2,268.6	2,257.8	2,300.8	2,286.7	-0.6
Thailand	931.1	955.8	998.6	1,041.9	1,070.9	2.8
Others	4,401.8	4,598.0	4,690.8	4,763.4	4,859.8	2.0
Total world	84,832.8	87,275.9	88,081.4	88,956.6	90,005.5	1.2
<i>of which</i>						
OPEC	7,701.5	8,096.9	8,341.2	8,678.2	9,031.4	4.1
<i>OPEC percentage</i>	<i>9.1</i>	<i>9.3</i>	<i>9.5</i>	<i>9.8</i>	<i>10.0</i>	<i>2.9</i>
OECD	46,385.5	47,019.5	46,469.5	45,973.5	45,902.6	-0.2
FSU	3,975.1	4,157.6	4,291.7	4,414.1	4,476.9	1.4

OPEC Members' crude oil exports by destination (1,000 b/d), 2013

	Total world	Europe	North America	Asia and Pacific	Latin America	Africa	Middle East
Algeria	744	518	123	93	11	–	–
Angola	1,669	313	159	1,103	50	44	–
Ecuador	388	5	256	20	107	–	–
IR Iran	1,215	128	–	1,085	–	2	–
Iraq	2,390	535	419	1,413	14	–	10
Kuwait	2,058	84	320	1,613	–	41	–
Libya	589	533	5	45	1	4	–
Nigeria	2,193	965	395	373	263	197	–
Qatar	599	–	–	599	–	–	–
Saudi Arabia	7,571	952	1,459	4,586	80	222	272
United Arab Emirates	2,701	6	2	2,611	–	81	–
Venezuela	1,937	88	773	726	350	–	–
OPEC	24,054	4,127	3,911	14,267	876	591	282

Notes: Data may include exports of lease condensates, changes in the quantity of oil in transit.

Graph 3.12: OPEC Members' crude oil exports by destination, 2013 (1,000 b/d)

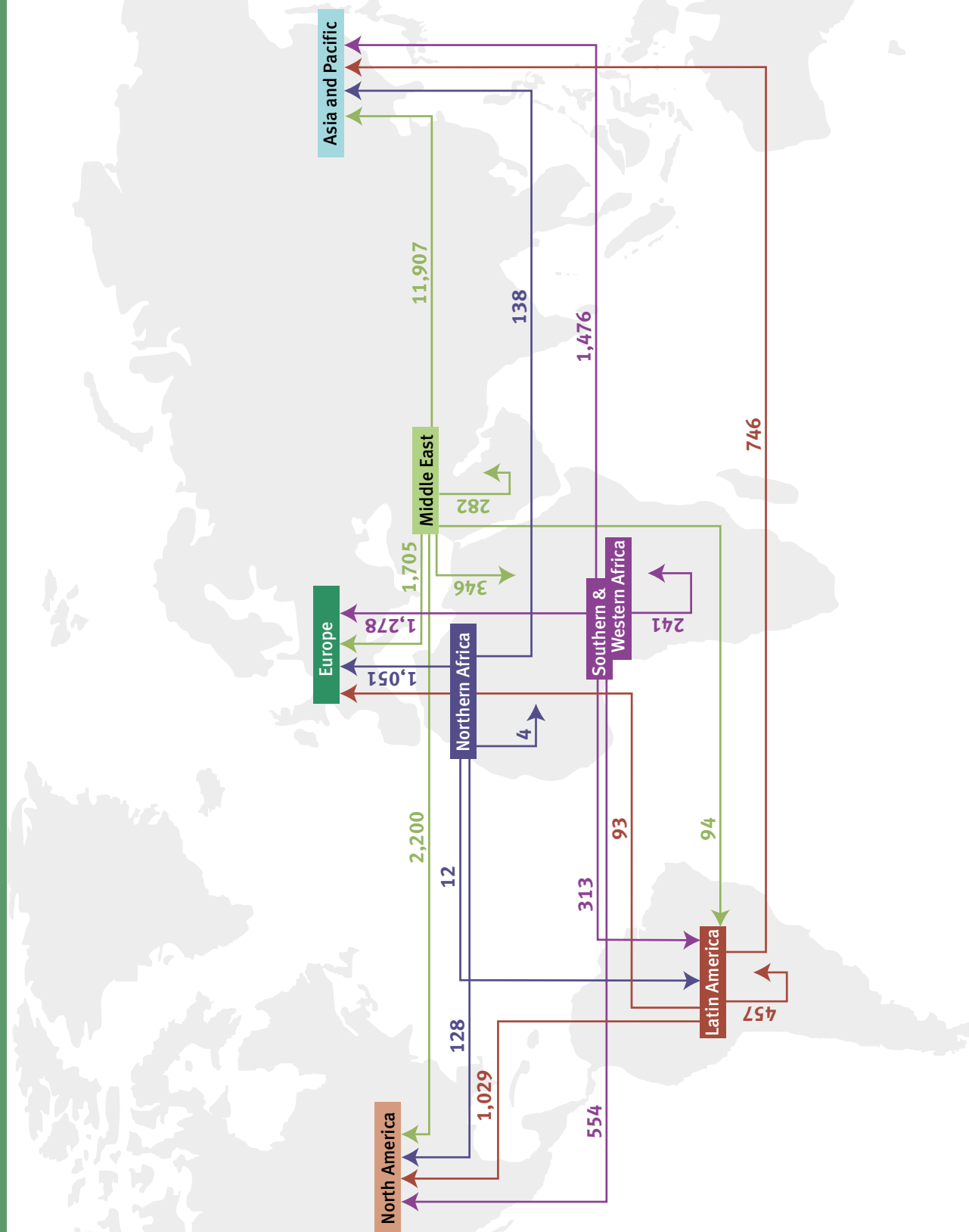


Table 3.18

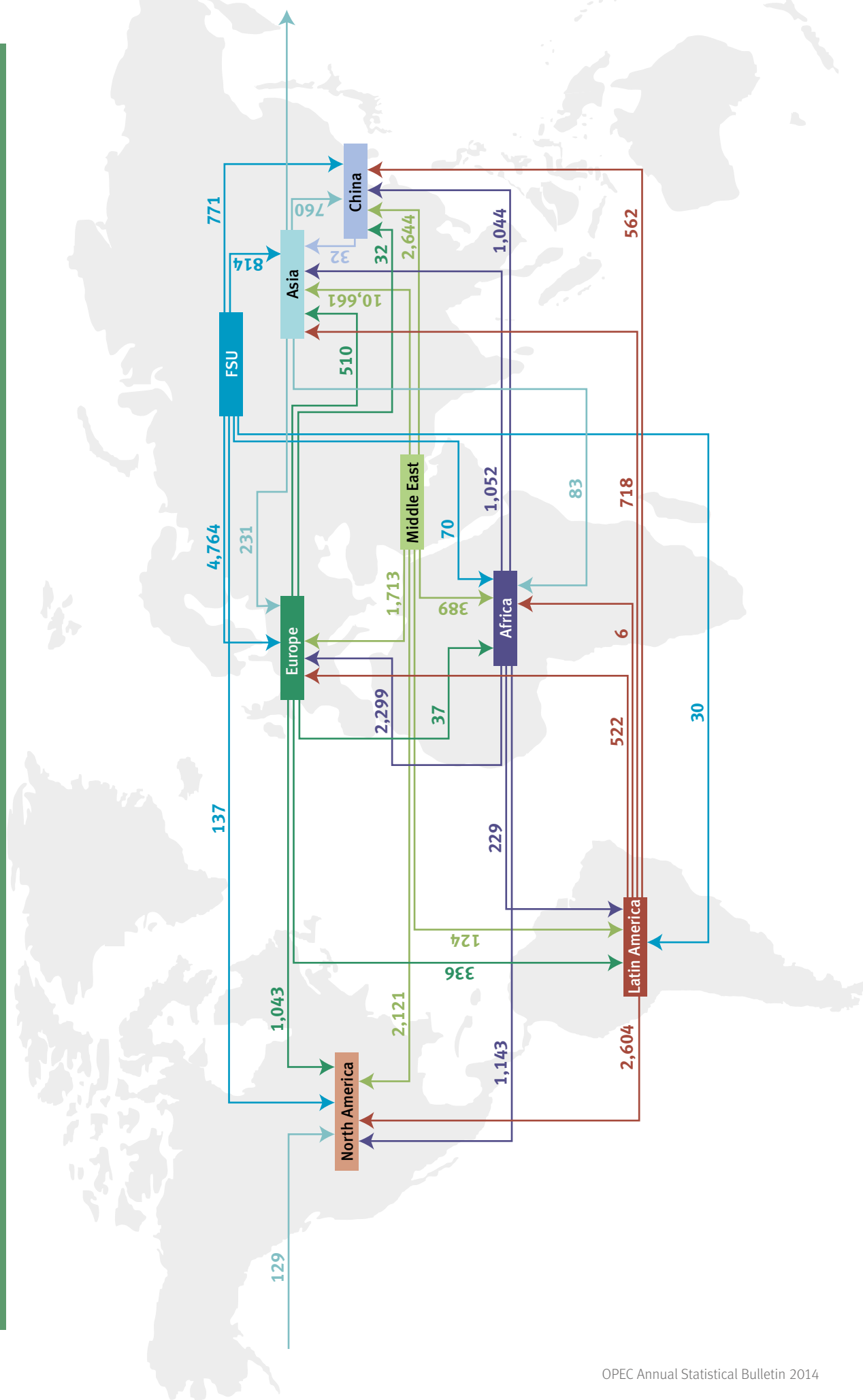
Oil and gas data

World crude oil exports by country (1,000 b/d)

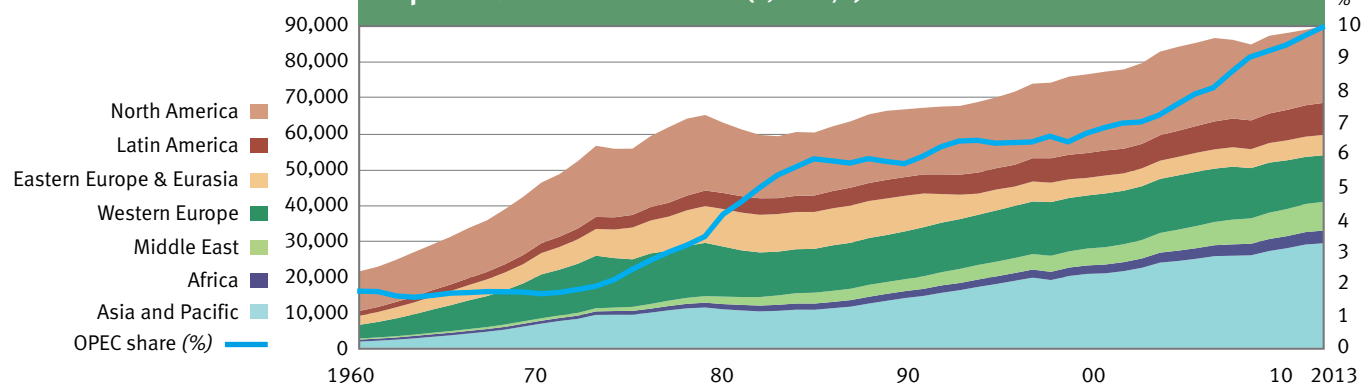
	2009	2010	2011	2012	2013	% change 13/12
North America	1,530	1,484	1,723	1,807	2,137	18.3
Canada	1,486	1,441	1,675	1,746	2,018	15.6
United States	45	42	48	61	119	95.1
Latin America	4,326	4,615	4,445	4,443	4,412	-0.7
Columbia	358	482	399	403	367	-8.9
Ecuador	329	340	330	356	388	9.0
Mexico	1,312	1,460	1,421	1,333	1,271	-4.7
Trinidad & Tobago	94	75	69	53	65	22.5
Venezuela	1,608	1,562	1,553	1,725	1,937	12.3
Others	626	695	674	573	384	-33.0
Eastern Europe and Eurasia	7204.0	7291.0	6822.0	6651.0	6584.6	-1.0
Russia	4,967	4,977	4,786	4,757	4,710	-1.0
Others	2,237	2,314	2,036	1,894	1,875	-1.0
Western Europe	2,762	2,550	2,179	2,038	1,958	-3.9
Norway	1,773	1,605	1,423	1,303	1,198	-8.1
United Kingdom	771	736	560	573	595	3.9
Others	217	209	196	161	165	2.4
Middle East	15,596	16,326	17,874	18,233	17,652	-3.2
IR Iran	2,406	2,583	2,537	2,102	1,215	-42.2
Iraq	1,906	1,890	2,166	2,423	2,390	-1.4
Kuwait	1,348	1,430	1,816	2,070	2,058	-0.6
Oman	671	749	742	768	838	9.1
Qatar	647	586	588	588	599	1.8
Saudi Arabia	6,268	6,644	7,218	7,557	7,571	0.2
Syrian Arab Republic	250	149	114	-	-	-
United Arab Emirates	1,953	2,103	2,457	2,445	2,701	10.5
Others	147	191	236	280	280	-0.1
Africa	7,105	7,210	6,056	6,591	5,851	-11.2
Algeria	747	709	698	809	744	-8.0
Angola	1,770	1,683	1,543	1,663	1,669	0.4
Congo	272	301	300	248	153	-38.4
Egypt	102	87	83	91	97	6.6
Gabon	188	158	127	102	58	-43.0
Libya	1,170	1,118	300	962	589	-38.8
Nigeria	2,160	2,464	2,377	2,368	2,193	-7.4
Sudans	371	389	337	63	70	11.1
Others	325	301	292	285	278	-2.3
Asia and Pacific	1,676	1,558	1,345	1,345	1,235	-8.2
Australia	272	263	205	260	205	-21.0
Brunei	152	161	154	138	115	-16.7
China	104	40	51	49	32	-34.7
Indonesia	323	356	303	300	316	5.3
Malaysia	372	369	280	268	263	-1.9
Vietnam	202	153	104	110	102	-7.3
Others	251	216	248	221	202	-8.7
Total world	40,200	41,032	40,444	41,107	39,830	-3.1
<i>of which</i>						
OPEC	22,312	23,112	23,581	25,068	24,054	-4.0
<i>OPEC percentage</i>	<i>55.5</i>	<i>56.3</i>	<i>58.3</i>	<i>61.0</i>	<i>60.4</i>	<i>-1.0</i>
OECD	5,887	5,847	5,622	5,473	5,588	2.1
FSU	6,653	6,750	6,679	6,403	6,394	-0.1

Notes: Data may include exports of lease condensates, re-exports, changes in the quantity of oil in transit.

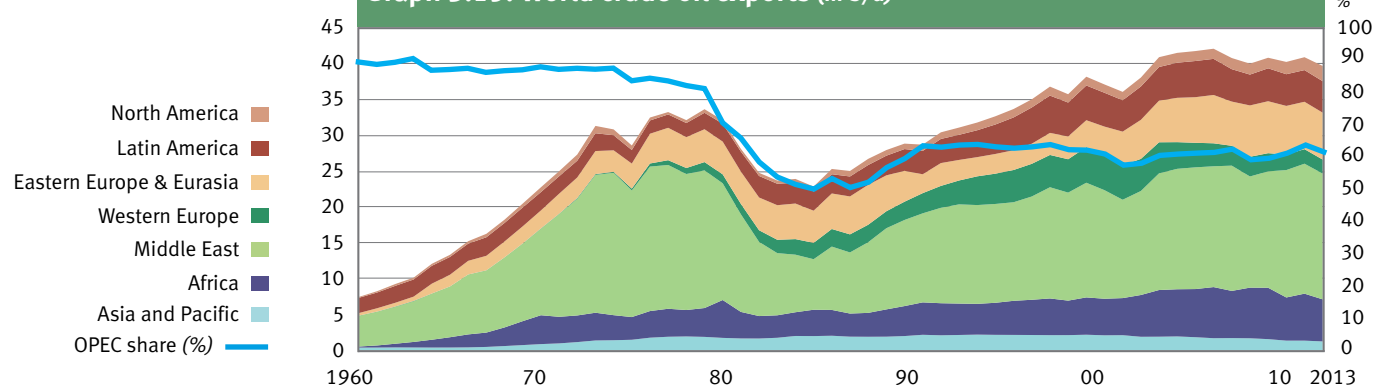
Graph 3.13: World crude oil exports by destination, 2013 (1,000 b/d)



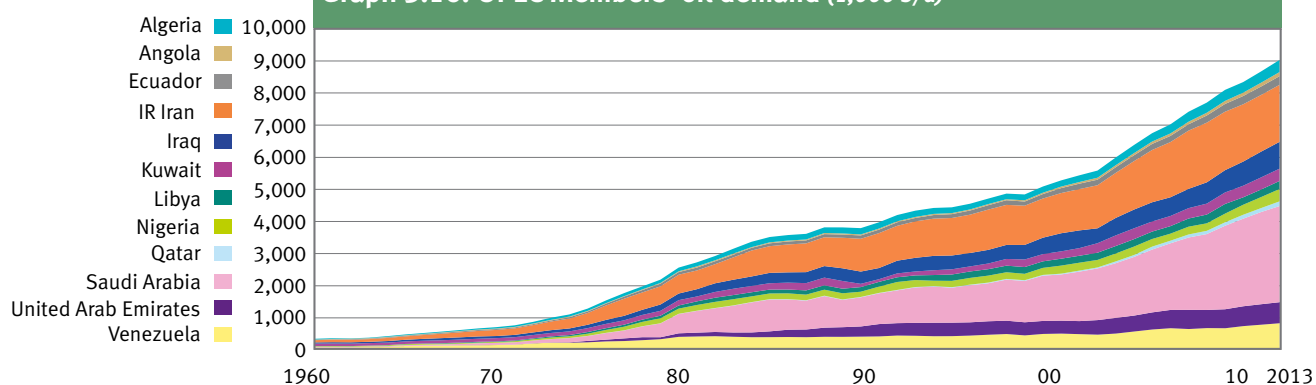
Graph 3.14: World oil demand (1,000 b/d)



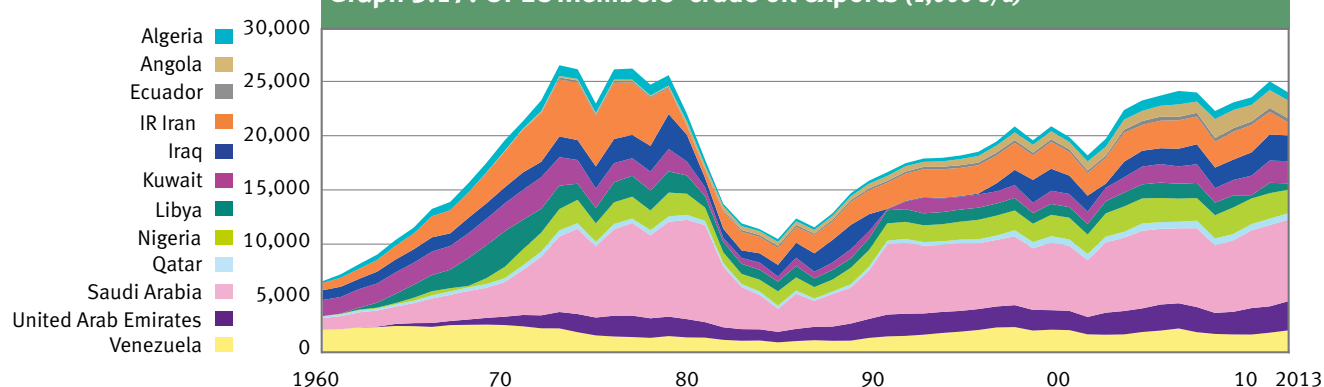
Graph 3.15: World crude oil exports (m b/d)



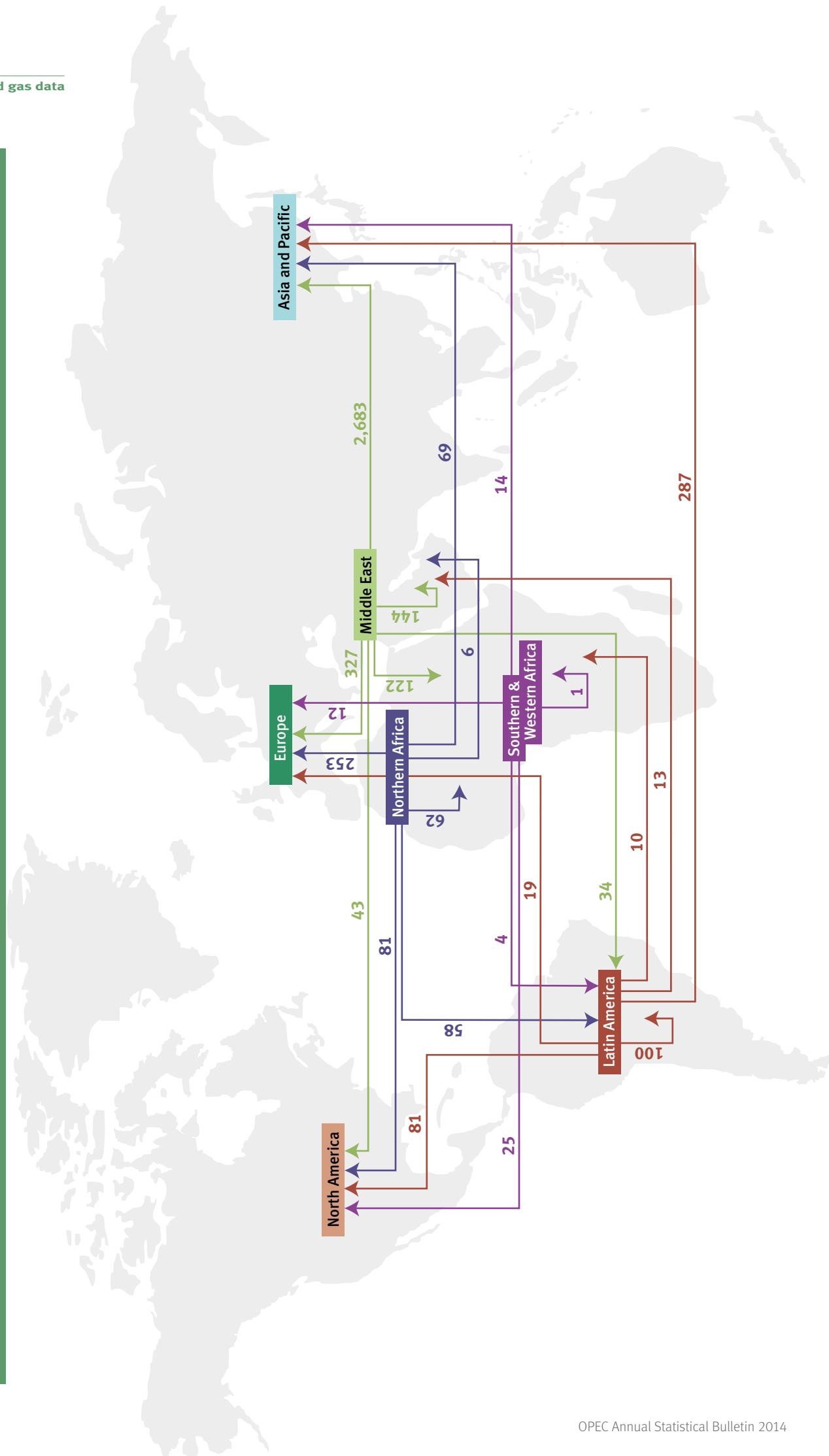
Graph 3.16: OPEC Members' oil demand (1,000 b/d)



Graph 3.17: OPEC Members' crude oil exports (1,000 b/d)



Graph 3.18: OPEC Members' petroleum products by destination, 2013 (1,000 b/d)



OPEC Members' petroleum products exports by destination, 2013 (1,000 b/d)

	Total ¹ world	Europe	North America	Asia and Pacific	Latin America	Africa	Middle East
Algeria	453	196	81	59	54	61	1
Angola	33	6	17	8	1	1	–
Ecuador	20	–	3	–	16	–	–
IR Iran	394	–	–	394	–	–	–
Iraq	65	19	–	23	18	–	4
Kuwait	805	125	33	647	–	–	–
Libya	76	57	–	9	3	1	4
Nigeria	23	7	8	6	3	–	–
Qatar	511	–	–	506	2	3	–
Saudi Arabia	794	102	1	452	11	88	139
United Arab Emirates	792	90	8	661	2	31	–
Venezuela	491	19	78	287	84	10	13
OPEC	4,457	622	230	3,053	195	195	163

Notes:

1. Data may include exports of petroleum products from gas plants and changes in the quantity of oil in transit.

Table 3.20

Oil and gas data

World exports of petroleum products by country (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
North America	2,222	2,475	2,934	3,166	3,352	5.9
Canada	431	411	387	467	505	8.1
United States	1,790	2,063	2,547	2,698	2,847	5.5
Others	1	1	0	0	0	0.0
Latin America	2,455	2,171	2,166	1,904	1,661	-12.8
Brazil	155	124	124	121	145	19.8
Ecuador	34	28	29	28	20	-28.6
Mexico	219	209	194	146	187	28.1
Netherland Antilles	201	203	184	165	156	-5.5
Trinidad & Tobago	108	88	115	68	91	33.8
Venezuela	956	751	786	675	491	-27.3
Virgin Islands	394	367	340	313	315	0.6
Others	388	400	394	388	256	-34.0
Eastern Europe and Eurasia	2,890	2,586	2,727	2,754	2,939	6.7
Romania	96	75	76	74	76	2.7
Russia	2,159	1,913	1,923	1,980	2,123	7.2
Others	635	598	728	700	740	5.7
Western Europe	5,527	5,790	5,852	6,148	6,170	0.4
Belgium	343	339	378	383	491	28.2
France	466	446	430	414	394	-4.8
Germany	453	363	364	377	396	5.0
Italy	489	559	507	544	458	-15.8
Netherlands	1,871	2,106	2,078	2,150	2,117	-1.5
United Kingdom	521	543	575	558	537	-3.8
Others	1,384	1,434	1,520	1,722	1,777	3.2
Middle East	2,949	3,049	3,346	3,360	3,707	10.3
Bahrain	240	247	241	246	248	0.8
IR Iran	301	371	441	456	394	-13.6
Iraq	30	5	1	2	65	
Kuwait	674	632	629	661	805	21.8
Qatar	249	322	509	465	511	9.9
Saudi Arabia	1,008	951	902	862	794	-7.9
United Arab Emirates	302	376	524	524	792	51.1
Others	146	146	99	144	98	-31.9
Africa	745	590	702	566	719	27.0
Algeria	232	314	492	351	453	29.1
Angola	41	8	26	26	33	26.9
Egypt	54	61	61	51	42	-17.6
Gabon	6	5	7	9	9	-
Libya	136	48	21	40	76	90.0
Nigeria	12	23	24	8	23	187.5
Others	264	132	72	82	84	2.4
Asia and Pacific	5,291	5,322	5,341	5,257	5,597	6.5
Australia	49	43	36	47	40	-14.9
China	523	583	621	524	625	19.3
Indonesia	82	85	92	71	76	7.0
Japan	391	369	345	269	340	26.4
Malaysia	286	303	308	402	493	22.6
Singapore	1,766	1,767	1,671	1,731	1,743	0.7
Others	2,193	2,173	2,267	2,213	2,280	3.0
Total world	22,079	21,983	23,069	23,155	24,145	4.3
<i>of which</i>						
OPEC	3,974	3,828	4,385	4,097	4,457	8.8
<i>OPEC percentage</i>	<i>18.0</i>	<i>17.4</i>	<i>19.0</i>	<i>17.7</i>	<i>18.5</i>	<i>4.3</i>
OECD	8,229	8,755	9,510	9,665	9,926	2.7
FSU	2,837	2,578	2,711	2,810	3,058	8.8

Notes: Data may include re-exports and exports of petroleum products from gas plants, changes in the quantity of petroleum products in transit.

Table 3.21

Oil and gas data

World exports of crude oil and petroleum products by country (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
North America	3,752	3,959	4,657	4,973	5,489	10.4
Canada	1,917	1,852	2,062	2,213	2,523	14.0
United States	1,834	2,105	2,595	2,759	2,966	7.5
Others	—	—	—	—	—	—
Latin America	6,781	6,786	6,612	6,346	6,073	-4.3
Ecuador	363	368	359	384	408	6.3
Mexico	1,531	1,669	1,615	1,479	1,458	-1.4
Netherland Antilles	201	203	184	165	156	-5.5
Trinidad & Tobago	202	163	184	121	156	28.9
Venezuela	2,564	2,313	2,339	2,400	2,427	1.1
Virgin Islands	394	367	340	313	315	0.6
Others	1,527	1,701	1,591	1,485	1,152	-22.4
Eastern Europe and Eurasia	10,094	9,877	9,549	9,405	9,524	1.3
Russia	7,126	6,890	6,709	6,737	6,833	1.4
Others	2,968	2,987	2,840	2,668	2,691	0.9
Western Europe	8,289	8,340	8,031	8,186	8,128	-0.7
Belgium	343	339	378	383	491	28.2
France	466	446	430	414	394	-4.8
Germany	453	363	364	377	396	5.0
Italy	489	559	507	544	458	-15.8
Netherlands	1,871	2,106	2,078	2,150	2,117	-1.5
United Kingdom	1,292	1,279	1,135	1,131	1,132	0.1
Others	3,374	3,248	3,139	3,186	3,140	-1.4
Middle East	18,545	19,375	21,220	21,593	21,359	-1.1
Bahrain	240	247	241	246	248	0.8
IR Iran	2,707	2,954	2,978	2,558	1,609	-37.1
Iraq	1,935	1,896	2,167	2,425	2,455	1.2
Kuwait	2,022	2,061	2,445	2,731	2,864	4.9
Qatar	896	908	1,097	1,053	1,110	5.4
Saudi Arabia	7,276	7,595	8,120	8,419	8,365	-0.6
United Arab Emirates	2,255	2,479	2,981	2,969	3,493	17.6
Others	1,214	1,235	1,191	1,192	1,215	1.9
Africa	7,851	7,800	6,758	7,157	6,570	-8.2
Algeria	980	1,023	1,190	1,159	1,197	3.3
Angola	1,810	1,690	1,569	1,689	1,703	0.8
Egypt	156	148	144	142	139	-2.1
Gabon	194	163	134	111	67	-39.6
Libya	1,306	1,166	321	1,002	665	-33.6
Nigeria	2,172	2,487	2,400	2,376	2,216	-6.7
Others	1,232	1,123	1,001	678	585	-13.7
Asia and Pacific	6,967	6,879	6,686	6,602	6,832	3.5
Australia	321	306	241	307	245	-20.2
China	627	623	672	573	657	14.7
Indonesia	405	441	395	371	392	5.7
Japan	391	369	345	269	340	26.4
Malaysia	658	672	588	670	756	12.8
Singapore	1,766	1,767	1,671	1,731	1,743	0.7
Others	2,799	2,702	2,773	2,682	2,698	0.6
Total world	62,279	63,015	63,513	64,262	63,975	-0.4
<i>of which</i>						
OPEC	26,286	26,941	27,966	29,165	28,512	-2.2
<i>OPEC percentage</i>	<i>42.2</i>	<i>42.8</i>	<i>44.0</i>	<i>45.4</i>	<i>44.6</i>	<i>-1.8</i>
OECD	14,117	14,601	15,132	15,138	15,514	2.5
FSU	9,490	9,328	9,390	9,213	9,451	2.6

Notes: Data may include exports of lease condensates, re-exports and exports of petroleum products from gas plants, changes in the quantity of oil and petroleum products in transit.

Table 3.22

Oil and gas data

World natural gas exports by country (*million standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
North America	122,610	125,806	130,891	134,129	126,372	-5.8
Canada	92,240	93,611	88,210	88,290	81,931	-7.2
United States	30,370	32,195	42,681	45,839	44,441	-3.0
Latin America	33,010	35,980	38,913	39,981	43,445	8.7
Argentina	880	420	200	100	100	-
Bolivia	9,790	11,650	13,320	14,540	17,600	21.0
Colombia	1,800	2,180	2,110	2,540	2,591	2.0
Mexico	790	850	13	11	11	-
Trinidad & Tobago	19,750	19,140	17,630	17,700	17,900	1.1
Others	-	1,740	5,640	5,090	5,243	3.0
Eastern Europe and Eurasia	278,370	283,020	297,320	270,530	295,809	9.3
Azerbaijan	5,860	5,500	5,610	6,100	7,009	14.9
Kazakhstan	10,100	1,200	12,600	10,930	11,200	2.5
Russia	211,660	228,650	227,100	207,000	222,800	7.6
Turkmenistan	29,900	30,740	36,860	34,700	42,800	23.3
Uzbekistan	20,850	16,930	15,150	11,800	12,000	1.7
Western Europe	182,860	201,998	202,249	217,724	215,422	-1.1
Austria	-	5,439	4,704	4,234	4,234	-
Belgium	2,460	2,460	2,511	2,561	2,561	-
Denmark	4,010	3,520	3,127	2,983	2,236	-25.0
France	840	2,945	6,483	5,994	5,027	-16.1
Germany	12,380	15,730	19,745	18,173	18,824	3.6
Italy	130	137	373	324	226	-30.2
Netherlands	50,320	53,300	50,410	54,510	59,500	9.2
Norway	98,850	100,600	95,077	111,928	106,596	-4.8
Spain	1,000	1,152	3,098	4,414	5,832	32.1
United Kingdom	12,170	16,055	15,960	11,971	9,754	-18.5
Others	700	660	761	632	632	-
Middle East	96,365	148,716	158,115	158,142	167,929	6.2
IR Iran	5,670	8,429	9,114	9,152	9,307	1.7
Oman	11,540	11,450	10,930	10,870	11,400	4.9
Qatar	63,535	107,437	113,551	115,668	122,874	6.2
United Arab Emirates	15,200	16,110	15,770	15,612	15,456	-1.0
Yemen	420	5,290	8,750	6,840	8,892	30.0
Africa	105,090	114,349	100,704	104,865	92,688	-11.6
Algeria	52,670	57,359	52,017	54,594	46,708	-14.4
Angola	-	-	-	-	517	-
Egypt	18,320	15,170	10,520	7,460	7,087	-5.0
Equatorial Guinea	4,720	5,160	5,260	4,720	4,720	-
Libya	9,890	9,970	3,666	6,225	5,513	-11.4
Mozambique	3,500	3,040	3,300	3,600	3,600	-
Nigeria	15,990	23,650	25,941	28,266	24,543	-13.2
Asia and Pacific	108,580	116,230	114,670	112,290	115,724	3.1
Australia	24,250	25,350	25,240	27,410	29,300	6.9
Brunei	8,810	8,830	9,420	8,880	9,324	5.0
Indonesia	36,500	41,250	38,870	34,730	32,800	-5.6
Malaysia	30,730	31,990	32,570	32,800	35,400	7.9
Myanmar	8,290	8,810	8,570	8,470	8,900	5.1
Total world	926,885	1,026,099	1,042,862	1,037,661	1,057,389	1.9
<i>of which</i>						
OPEC	162,955	222,955	220,059	229,517	224,918	-2.0
<i>OPEC percentage</i>	<i>17.6</i>	<i>21.7</i>	<i>21.1</i>	<i>22.1</i>	<i>21.3</i>	<i>-3.8</i>
OECD	330,510	354,004	358,393	379,274	371,105	-2.2
FSU	278,370	283,020	297,320	270,530	295,809	9.3

Table 3.23

Oil and gas data

World imports of crude oil by country (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
North America	10,430	10,504	9,595	9,206	8,366	-9.1
Canada	799	770	681	714	653	-8.6
United States	9,631	9,734	8,914	8,492	7,713	-9.2
Latin America	2,363	2,281	2,510	2,585	2,607	0.8
Brazil	384	312	318	312	364	16.9
Chile	199	168	171	175	195	11.5
Cuba	192	198	199	204	138	-32.0
Netherlands Antilles	131	179	199	237	200	-15.7
Puerto Rico	101	95	94	90	90	0.1
Trinidad & Tobago	99	69	83	57	39	-31.3
Others	1,257	1,261	1,446	1,510	1,580	4.6
Eastern Europe and Eurasia	1,525	1,406	1,486	1,401	1,365	-2.6
Bulgaria	123	110	100	124	113	-8.9
Czech Republic	145	161	161	143	132	-7.4
Romania	142	120	112	104	109	4.8
Lithuania	182	190	187	182	189	4.1
Others	933	825	926	849	822	-3.2
Western Europe	10,754	10,644	10,276	10,523	9,886	-6.1
Belgium	630	662	605	639	558	-12.7
France	1,442	1,295	1,294	1,143	1,110	-2.9
Germany	1,979	1,883	1,827	1,882	1,825	-3.0
Greece	359	411	331	419	392	-6.5
Italy	1,541	1,585	1,453	1,381	1,179	-14.6
Netherlands	973	1,033	987	1,004	952	-5.2
Spain	1,056	1,059	1,054	1,183	1,168	-1.3
Sweden	384	401	380	417	339	-18.6
Turkey	287	352	365	392	375	-4.4
United Kingdom	1,060	964	1,009	1,081	1,011	-6.4
Others	1,043	999	971	982	977	-0.5
Middle East	498	550	465	348	352	1.1
Bahrain	213	236	244	220	219	-0.4
Others	285	315	221	128	133	3.8
Africa	882	923	906	851	846	-0.6
Côte d'Ivoire	83	84	73	70	73	3.8
Kenya	38	39	39	40	39	-1.0
Morocco	147	149	151	105	105	0.1
Others	615	650	643	636	629	-1.1
Asia and Pacific	16,921	17,767	18,419	19,262	19,337	0.4
Australia	385	431	488	499	451	-9.7
China	4,112	4,806	5,074	5,424	5,658	4.3
India	3,216	3,158	3,360	3,559	3,782	6.3
Indonesia	328	285	254	264	291	10.2
Japan	3,416	3,441	3,558	3,458	3,408	-1.4
New Zealand	91	99	103	106	100	-5.7
Philippines	139	182	183	185	152	-17.8
Singapore	601	716	717	833	784	-5.9
South Korea	2,324	2,378	2,521	2,555	2,450	-4.1
Thailand	777	817	794	860	868	0.9
Others	1,533	1,455	1,367	1,519	1,394	-8.3
Total world	43,372	44,075	43,658	44,176	42,759	-3.2
<i>of which</i>						
OECD	28,255	28,517	28,778	27,632	26,043	-5.8

Notes: Data may include imports of lease condensates, changes in the quantity of oil in transit.

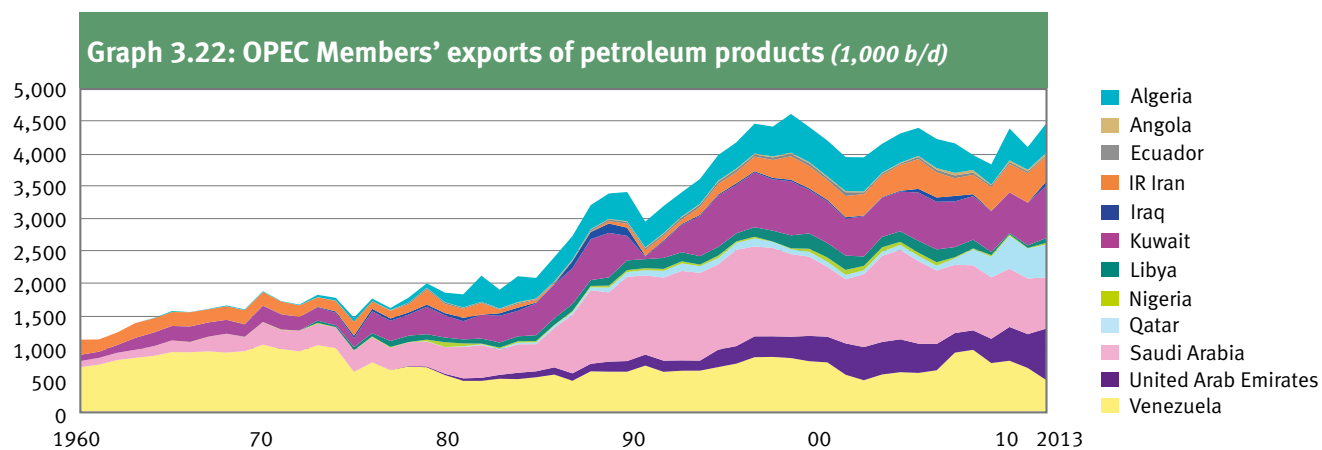
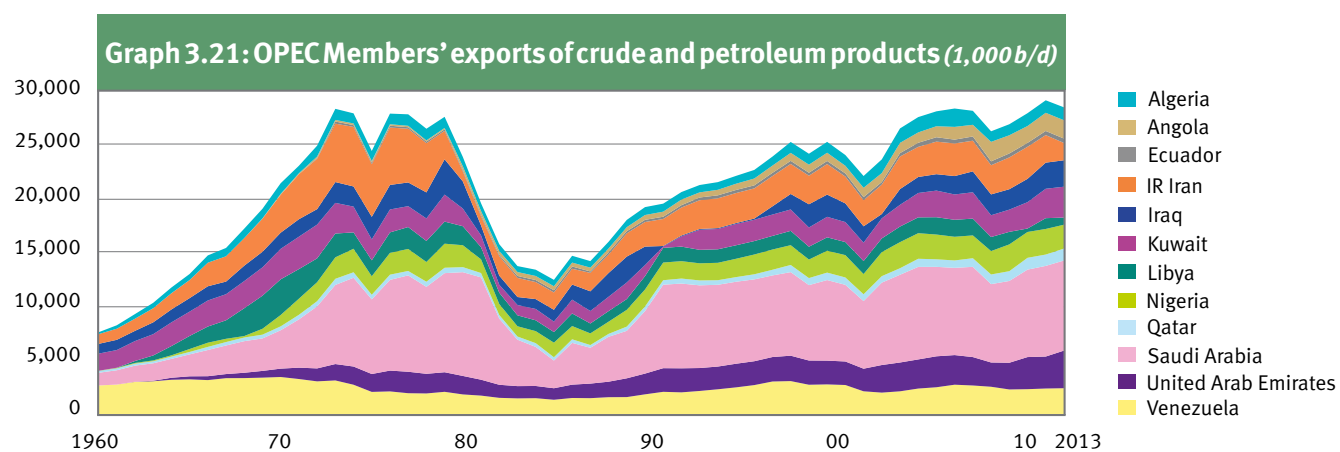
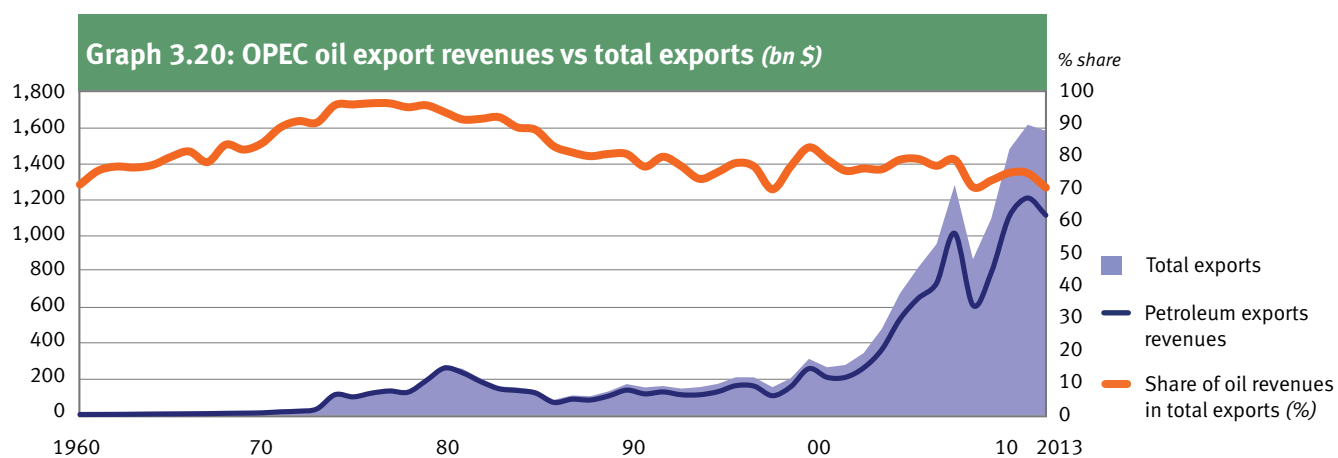
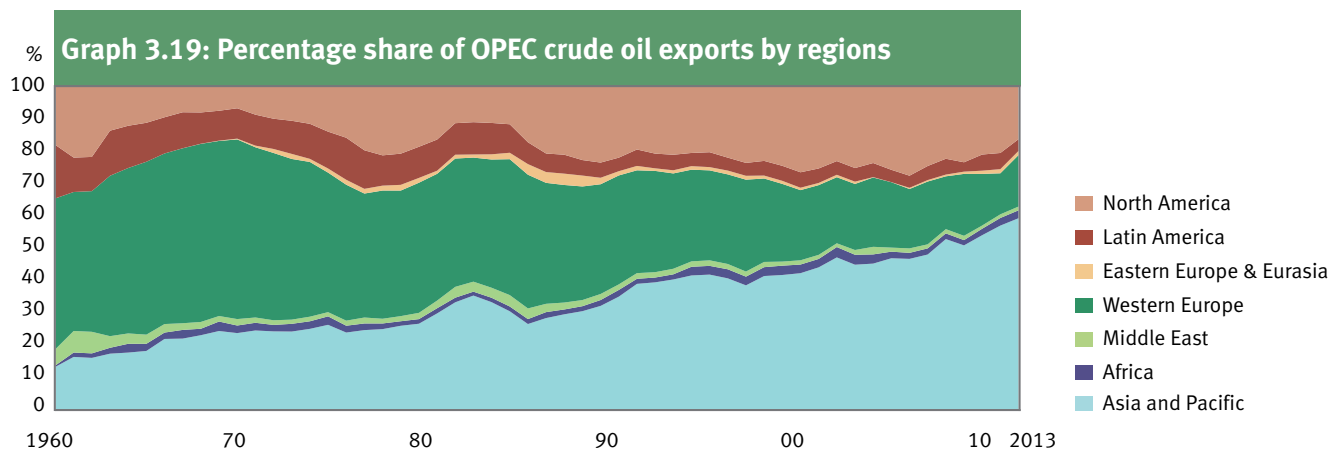


Table 3.24

Oil and gas data

World imports of petroleum products by country (1,000 b/d)

	2009	2010	2011	2012	2013	% change 13/12
North America	2,103	2,087	1,930	1,526	1,439	-5.7
Canada	279	238	266	225	220	-2.0
United States	1,819	1,844	1,660	1,297	1,215	-6.3
Others	5	5	4	4	4	-2.0
Latin America	1,946	2,332	2,514	2,473	2,077	-16.0
Brazil	309	499	655	568	554	-2.5
Cuba	9	5	5	5	5	1.6
Ecuador	88	104	94	100	115	14.8
Mexico	455	551	612	609	521	-14.4
Netherland Antilles	87	95	96	101	99	-2.3
Panama	43	52	60	70	54	-22.9
Puerto Rico	154	175	166	157	143	-8.7
Venezuela	68	72	68	145	114	-21.4
Others	733	779	758	718	472	-34.2
Eastern Europe and Eurasia	390	418	459	363	346	-4.8
Bulgaria	30	31	35	37	38	1.6
Russia	11	38	66	26	5	-80.0
Hungary	44	48	58	37	41	11.3
Poland	160	153	161	124	127	2.3
Others	145	148	139	139	135	-3.0
Western Europe	6,572	6,774	6,758	6,675	6,901	3.4
Belgium	362	307	418	372	529	42.3
France	776	822	817	889	869	-2.2
Germany	667	716	671	655	716	9.3
Italy	240	223	212	183	231	26.2
Netherlands	1,632	1,795	1,807	1,910	1,867	-2.3
United Kingdom	476	517	488	529	585	10.6
Others	2,419	2,393	2,345	2,137	2,104	-1.5
Middle East	755	643	646	792	732	-7.6
IR Iran	182	118	48	33	14	-57.3
Iraq	49	48	76	103	84	-18.4
Saudi Arabia	225	169	196	319	482	51.1
Syrian Arab Republic	87	90	92	168	-	-
Others	211	217	234	169	152	-10.1
Africa	970	1,077	1,152	1,404	1,335	-4.9
Algeria	23	17	11	111	160	43.7
Angola	60	56	54	104	42	-61.1
Egypt	157	186	164	226	168	-25.8
Morocco	81	80	60	53	52	-1.4
Nigeria	162	177	162	174	164	-5.7
Tunisia	68	78	58	60	60	-
Others	420	484	643	675	689	2.0
Asia and Pacific	7,134	7,343	7,378	7,529	7,825	3.9
Australia	339	304	334	390	433	10.9
China	777	835	960	895	931	4.0
Hong Kong	389	433	399	361	364	0.8
India	283	326	320	306	311	1.7
Japan	829	930	1,300	1,075	1,004	-6.6
New Zealand	45	36	41	36	44	22.8
Singapore	2,210	2,215	1,765	2,168	2,310	6.6
Others	2,261	2,266	2,258	2,298	2,428	5.7
Total world	19,869	20,674	20,836	20,761	20,655	-0.5
<i>of which</i>						
OPEC	858	760	709	1,089	1,175	7.9
<i>OPEC percentage</i>	<i>4.3</i>	<i>3.7</i>	<i>3.4</i>	<i>5.2</i>	<i>5.7</i>	<i>9.6</i>
OECD	10,043	11,117	11,868	12,342	12,457	0.9
FSU	100	102	297	296	265	-10.5

Notes: Data may include petroleum products from gas plants, changes in the quantity of petroleum products in transit.

Table 3.25

Oil and gas data

World imports of natural gas by country (*million standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
North America	127,071	128,562	127,975	120,165	108,272	-9.9
Canada	20,830	22,622	29,740	31,312	26,622	-15.0
United States	106,241	105,940	98,235	88,853	81,650	-8.1
Latin America	28,910	37,868	43,531	53,257	63,599	19.4
Argentina	2,660	3,610	7,560	8,700	11,200	28.7
Brazil	8,440	12,600	10,482	13,850	17,400	25.6
Chile	1,490	3,410	3,920	3,830	3,778	-1.4
Mexico	13,160	15,150	18,060	22,300	26,700	19.7
Venezuela	1,800	1,446	1,797	1,877	1,821	-3.0
Others	1,360	1,652	1,712	2,700	2,700	-
Eastern Europe and Eurasia	137,130	146,618	155,153	137,696	136,807	-0.6
Armenia	2,050	1,750	1,873	1,900	1,900	-
Belarus	17,570	21,600	21,850	20,252	20,260	-
Bulgaria	2,640	2,160	2,640	2,540	2,768	9.0
Czech Republic	9,570	11,140	11,280	7,398	8,478	14.6
Hungary	8,100	7,510	6,910	6,100	6,300	3.3
Kazakhstan	7,400	6,690	6,590	6,500	6,500	-
Latvia	1,190	660	1,550	1,450	1,450	-
Lithuania	2,740	2,630	3,000	2,450	2,450	-
Moldova	2,900	2,920	2,900	2,900	2,900	-
Poland	9,150	10,894	11,170	12,366	12,460	0.8
Romania	2,050	2,150	2,650	2,000	1,100	-45.0
Russia	28,100	34,389	33,110	33,300	33,500	0.6
Slovak Republic	5,400	6,425	5,830	5,000	5,100	2.0
Tadzhikistan	700	700	700	700	700	-
Ukraine	35,460	34,250	42,000	30,890	28,023	-9.3
Others	2,110	750	1,100	1,950	2,918	49.6
Western Europe	395,597	424,424	414,794	414,329	415,486	0.3
Austria	7,190	7,530	9,780	7,812	6,413	-17.9
Belgium	21,760	31,330	28,510	27,000	30,600	13.3
Bosnia/Herzegovina	220	210	260	240	240	-
Croatia	1,200	1,170	820	1,340	1,340	-
Finland	4,100	4,782	3,940	3,661	3,484	-4.8
France	49,060	46,199	47,320	47,708	47,873	0.3
Germany	94,572	88,884	85,110	87,964	94,920	7.9
Greece	3,290	3,815	4,762	4,376	3,866	-11.7
Ireland	5,080	5,261	5,290	4,522	4,401	-2.7
Italy	69,310	75,348	69,930	67,802	61,953	-8.6

Table 3.25

Oil and gas data

World imports of natural gas by country (*million standard cu m*)

	2009	2010	2011	2012	2013	% change 13/12
Western Europe (<i>cont'd</i>)						
Luxembourg	1,300	1,366	1,250	1,206	1,028	-14.8
Netherlands	16,980	16,970	14,300	15,410	15,500	0.6
Portugal	4,410	5,109	5,000	4,904	4,884	-0.4
Serbia/Montenegro	1,550	1,933	1,878	2,240	2,240	—
Spain	35,430	36,716	35,520	36,754	35,399	-3.7
Sweden	1,310	1,642	1,296	1,129	1,085	-3.9
Switzerland	3,625	3,165	3,190	3,333	3,736	12.1
Turkey	33,180	38,037	42,560	45,922	45,270	-1.4
United Kingdom	41,060	53,850	52,838	49,100	48,944	-0.3
Others	970	1,107	1,240	1,906	2,310	21.2
Middle East	39,100	41,048	45,844	40,599	40,337	-0.6
IR Iran	5,800	7,243	11,659	6,720	5,329	-20.7
Jordan	2,850	2,520	830	800	1,200	50.0
Kuwait	890	890	688	688	571	-17.0
Oman	1,500	1,900	1,950	1,950	1,950	—
Syrian Arab Republic	910	690	552	350	350	—
United Arab Emirates	25,450	25,705	28,275	28,201	29,047	3.0
Others	1,700	2,100	1,890	1,890	1,890	—
Africa	5,250	4,790	5,230	6,000	6,400	6.7
Morocco	500	500	550	500	500	—
South Africa	3,500	3,040	3,300	3,600	3,700	2.8
Tunisia	1,250	1,250	1,380	1,900	2,200	15.8
Asia and Pacific	172,251	206,285	235,620	257,032	276,276	7.5
China	7,630	16,350	30,490	39,700	51,800	30.5
India	12,620	12,150	16,390	17,900	17,100	-4.5
Japan	85,900	98,015	104,000	122,243	122,489	0.2
South Korea	34,320	43,579	48,780	47,311	53,157	12.4
Chinese Taipei	11,790	15,890	15,930	16,694	16,798	0.6
Thailand	8,291	8,810	9,580	9,844	10,472	6.4
Others	11,700	11,491	10,450	3,340	4,460	33.5
Total world	905,309	989,595	1,028,147	1,029,078	1,047,177	1.8
<i>of which</i>						
OPEC	33,940	35,284	42,419	37,486	36,768	-1.9
<i>OPEC share</i>	<i>3.7</i>	<i>3.6</i>	<i>4.1</i>	<i>3.6</i>	<i>3.5</i>	<i>-3.6</i>
OECD	682,428	740,417	745,601	753,242	754,648	0.2
FSU	100,220	106,339	114,673	102,292	100,601	-1.7

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SECTION 4

Transportation

Table 4.1**Transportation**

Tanker fleet development in OPEC Members (1,000 dwt)

	2009		2010		2011		2012		2013	
	number	dwt	number	dwt	number	dwt	number	dwt	number	dwt
Algeria	1	160	1	160	1	160	1	160	1	160
Angola	–	–	–	–	8	1,186	30	4,775	31	2,363
Ecuador	8	269	8	269	10	579	14	957	18	1,231
IR Iran	42	9,560	47	10,994	47	10,994	47	10,994	47	10,994
Iraq	4	53	4	53	4	53	4	53	4	50
Kuwait	20	3,110	16	2,223	16	2,223	21	3,404	19	3,547
Libya	8	627	8	627	5	548	5	548	5	548
Nigeria	2	409	2	409	2	409	2	409	2	409
Qatar	6	528	6	528	6	528	6	528	6	528
Saudi Arabia	40	8,662	35	6,993	32	5,766	20	5,051	23	6,004
United Arab Emirates	13	660	13	660	13	660	13	660	13	660
Venezuela	16	1,091	16	1,091	18	1,348	19	1,452	22	2,066
OPEC	160	25,129	156	24,007	162	24,454	182	28,991	191	28,560
Total world	3,780	347,535	4,167	385,828	4,494	422,849	4,734	453,168	4,912	472,169
<i>OPEC percentage</i>		7.2		6.2		5.8		6.4		6.0

Notes: Figures as at year-end.

Table 4.2

World tanker fleet by year of build and categories (1,000 dwt)

		up to 1998		1999–03		2004–08		2009–13		Total	
		no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
GP	16.5-24.9	83	1,288	89	1,534	260	4,123	217	3,657	647	10,601
MR	25.0-44.9	160	6,232	245	9,424	409	16,290	253	10,210	1,066	42,156
LR1	45.0-79.9	93	4,613	149	8,277	542	31,204	452	25,275	1,236	69,369
LR2	80.0-159.9	185	21,553	278	33,361	379	45,122	450	57,199	1,292	157,235
VLCC	160.0-319.9	59	17,546	182	52,421	175	48,802	255	74,039	671	192,808
Total world		579	51,232	943	105,016	1,764	145,541	1,626	170,379	4,912	472,169

Notes: Figures as at year-end. Data is adjusted to take in account different categories of vessels. Data includes clean, dirty and chemical tankers. GP = general purpose carrier; MR = medium range carrier; LR1 = large range 1 carrier; LR2 = large range 2 carrier; VLCC = very large crude carrier.

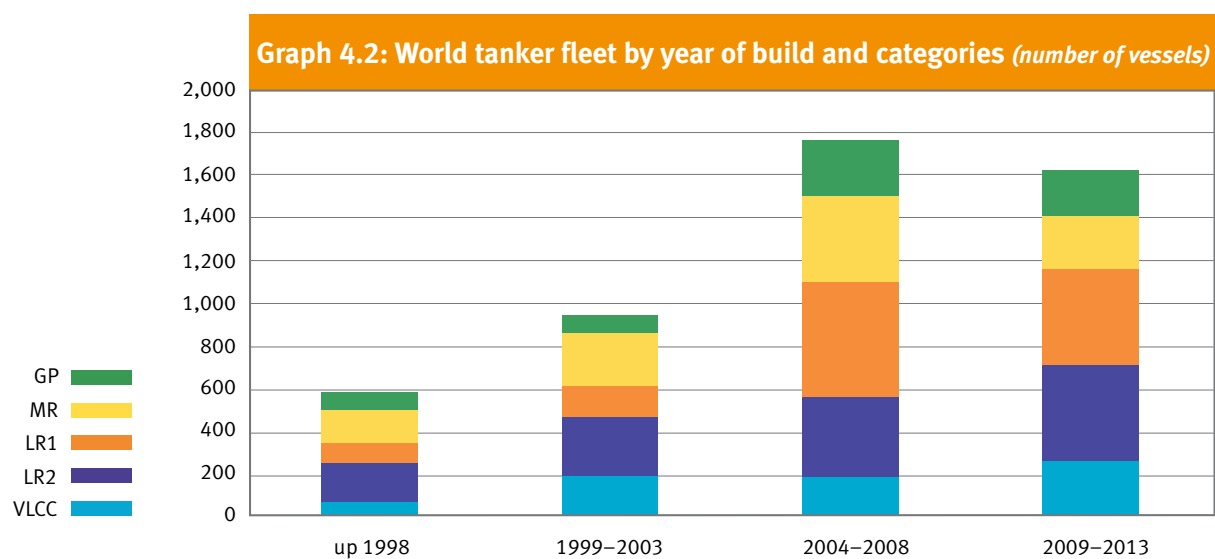
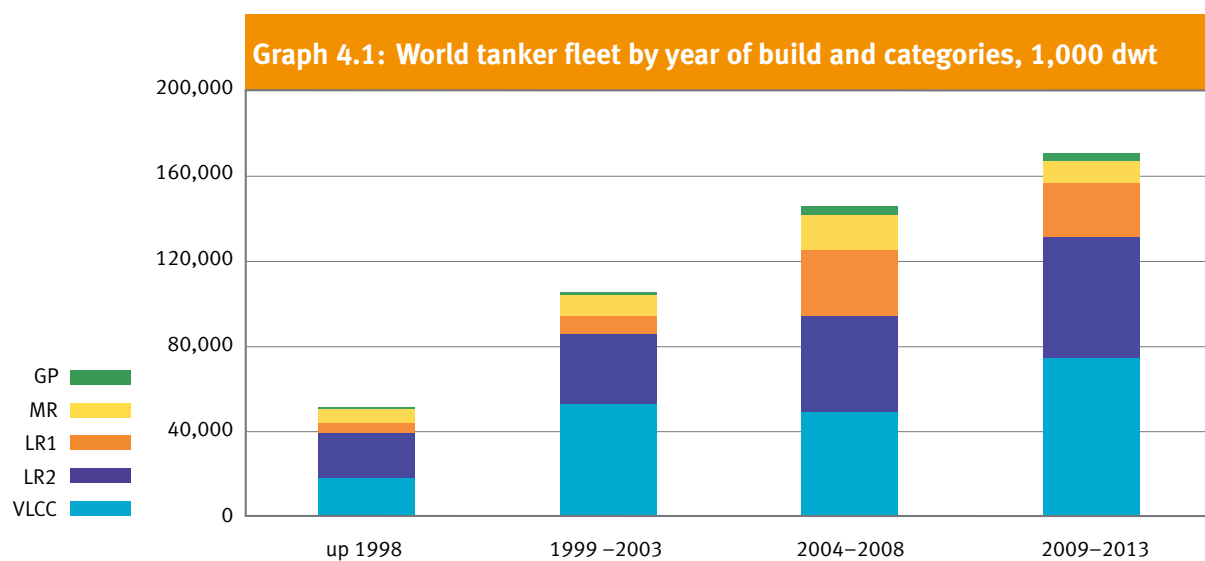


Table 4.3**Transportation**

World liquid gas carrier fleet by size and type, 2013 (1,000 cu m)

	LPG		LNG		Total	
	no	capacity	no	capacity	no	capacity
up to 19,999	960	3,971	20	199	980	4,170
20,000–39,999	117	3,346	3	94	120	3,440
40,000–59,999	19	1,707	–	–	19	1,707
60,000–99,999	144	11,521	14	1,070	158	12,591
100,000 and over	–	–	335	51,834	335	51,834
Total world	1,240	20,545	372	53,197	1,612	73,742

Notes: Figures as at year-end.

Table 4.4

Liquid gas carrier fleet in OPEC Members, 2013 (1,000 cu m)

	LPG		LNG		Total	
	no	capacity	no	capacity	no	capacity
Algeria	8	324	9	1,073	17	1,397
Angola	5	213	3	263	8	466
Ecuador	5	145	–	–	5	145
IR Iran	1	12	–	–	1	12
Iraq	–	–	–	–	–	–
Kuwait	4	321	–	–	4	321
Libya	2	8	–	–	2	8
Nigeria	2	157	24	3,346	26	3,503
Qatar	4	328	29	5,610	33	5,938
Saudi Arabia	–	–	–	–	–	–
United Arab Emirates	1	3	8	1,096	9	1,099
Venezuela	2	24	–	–	2	24
OPEC	34	1,535	73	11,388	107	12,913
Total world	1,240	20,545	372	53,197	1,612	73,742
<i>OPEC percentage</i>		<i>7.5</i>		<i>21.4</i>		<i>17.5</i>

Notes: Figures as at year-end. LPG and LNG vessels for OPEC Member Countries may be registered under other countries flags.

World combined carrier fleet by size (1,000 dwt)

	2009		2010		2011		2012		2013	
	no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
10,000–39,999	3	57	2	42	2	42	2	42	2	42
40,000–49,999	8	375	8	375	4	182	3	135	2	86
50,000–59,999	2	108	2	108	1	55	–	–	–	–
60,000–69,999	2	133	2	132	2	132	1	66	–	–
70,000–79,999	5	375	5	375	4	300	3	225	–	–
80,000–99,999	7	608	7	609	6	510	4	333	–	–
100,000–119,999	12	1,305	12	1,304	12	1,304	10	1,098	10	1,098
120,000–129,999	2	241	2	241	2	241	2	241	2	241
130,000–319,999	3	471	8	2,068	7	1,915	5	1,599	5	1,599
Total world	44	3,673	48	5,253	40	4,681	30	3,739	21	3,066

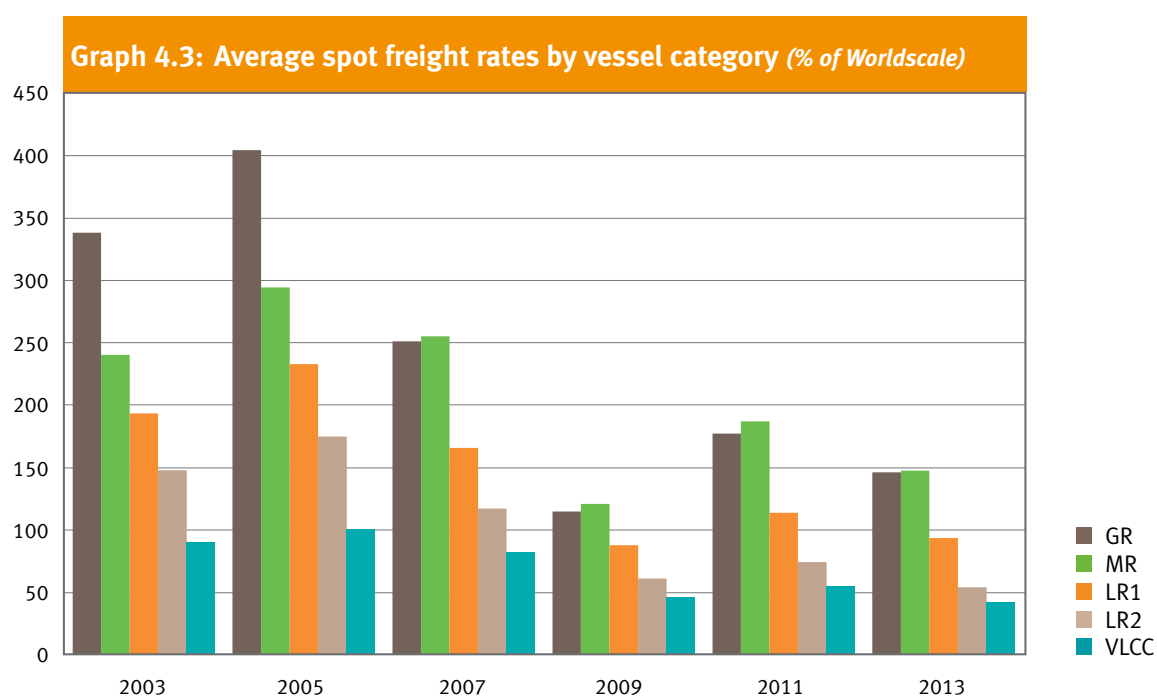
Notes: Figures as at year-end.

Table 4.6**Transportation**Average spot freight rates by vessel category (% of *Worldscale*)

	GP 16.5–24.9	MR 25.0–44.9	LR1 45.0–79.9	LR2 80.0–159.9	VLCC 160.0–319.9
2003	338.2	240.3	193.3	147.7	90.0
2004	292.9	266.4	243.9	199.5	137.6
2005	404.4	294.4	232.8	174.7	100.8
2006	252.9	278.4	188.8	138.8	103.3
2007	251.3	255.1	165.8	116.9	82.3
2008	263.6	283.4	219.9	167.6	129.1
2009	114.6	120.6	87.6	61.1	45.8
2010	180.4	187.3	126.7	92.1	73.1
2011	177.3	187.1	113.7	74.2	54.8
2012	151.8	159.4	103.9	64.9	49.3
2013	146.1	147.3	93.5	53.9	41.9

Notes: Tanker sizes are in 1,000 dwt. Average spot freight rates are the average of all spot freight rates by tanker size reported each month in the spot market.

GP = general purpose carrier; MR = medium range carrier; LR1 = large range 1 carrier; LR2 = large range 2 carrier; VLCC = very large crude carrier.



Dirty tanker spot freight rates (% of *Worldscale* and \$ per t)

	ME/EAST		ME/WEST		WAF/EAST		WAF/USGC		WEST/USGC		INDO/EAST		CAR/USEC		MED/MED		MED/WEST	
	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t
2003	101	7.2	84	14.3	89	15.4	136	15.0	137	13.3	161	11.4	207	10.1	191	5.8	185	12.4
2004	156	11.9	123	22.5	126	23.6	196	23.1	193	19.9	226	17.2	259	12.7	225	7.2	220	13.2
2005	109	8.5	89	16.9	96	18.4	157	19.1	152	16.2	198	15.6	218	10.8	194	6.9	186	12.0
2006	102	9.1	82	17.6	92	20.2	147	20.5	140	17.0	178	15.7	206	11.5	166	6.5	163	11.8
2007	91	9.5	67	16.9	77	20.0	118	19.4	119	16.7	148	14.9	169	11.0	145	6.4	142	12.0
2008	136	14.5	99	25.4	118	31.2	177	29.5	166	23.9	192	19.8	233	15.5	206	9.4	199	17.4
2009	42	6.2	31	10.9	45	16.7	65	14.9	61	11.9	69	9.8	83	7.5	83	4.9	78	9.0
2010	73	7.9	51	13.3	74	19.9	98	16.9	93	13.7	112	12.1	135	9.4	117	5.6	115	11.0
2011	53	7.0	39	12.3	53	17.5	77	16.0	72	12.7	99	12.8	108	8.9	101	5.5	100	10.6
2012	48	7.5	33	12.3	49	19.3	67	16.7	60	12.6	91	14.0	105	10.2	88	5.6	88	10.9
2013	41	7.1	26	12.0	41	17.7	57	15.4	52	11.7	79	13.3	102	10.8	81	5.4	77	10.3

Notes: ME = Middle East; EAST = Far East; WEST = North-West Europe; WAF = West Africa; USGC = US Gulf Coast; INDO = Indonesia; CAR = Caribbean; USEC = US East Coast; MED = Mediterranean.

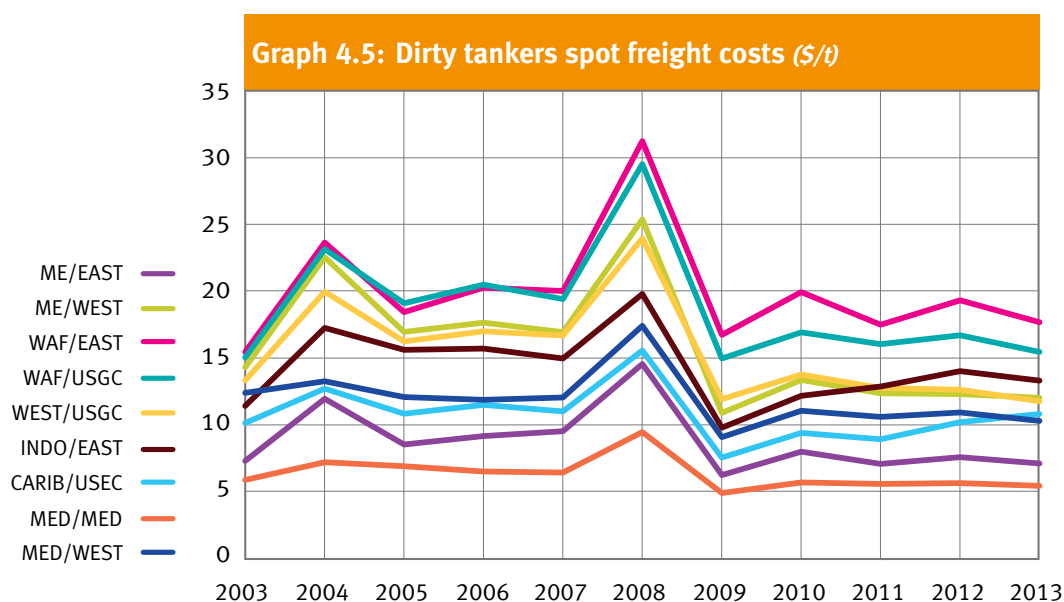
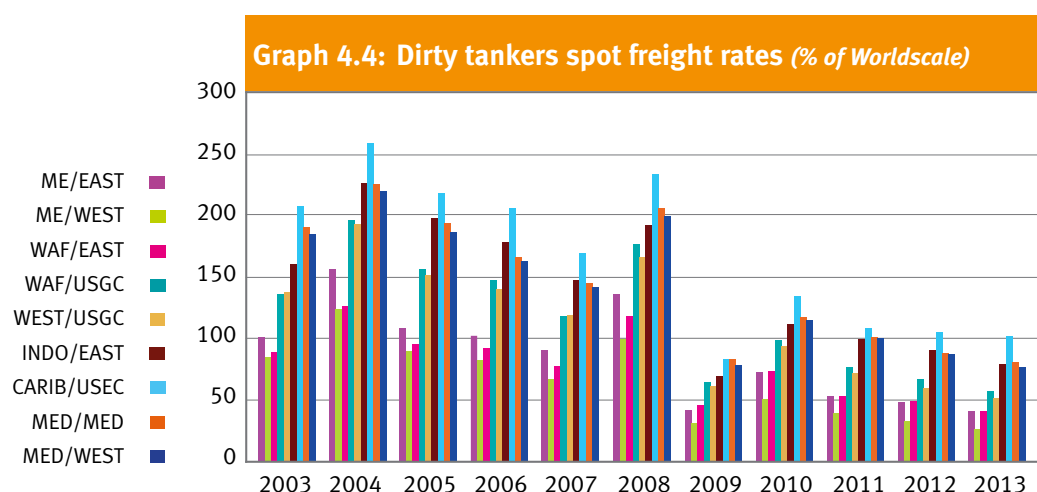
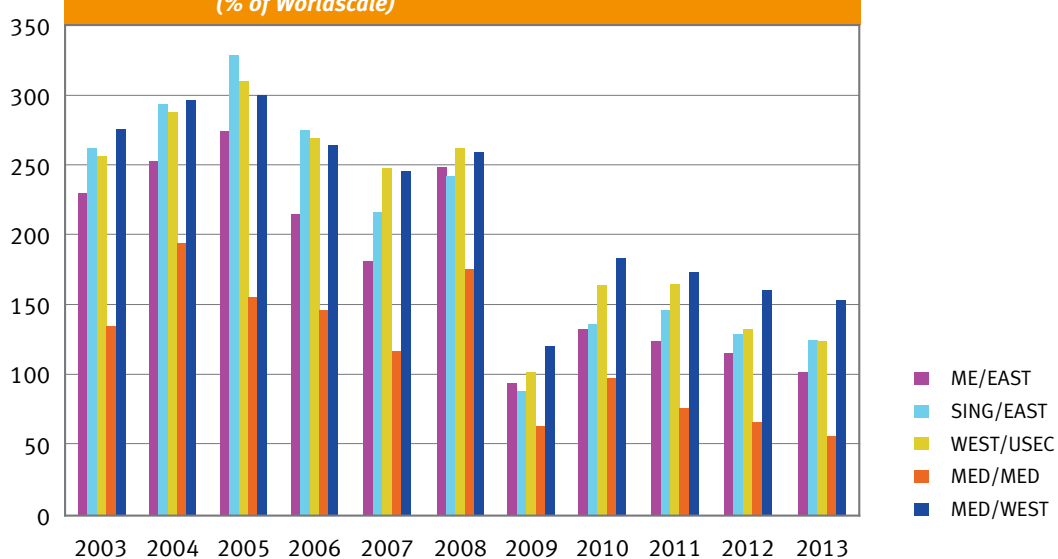
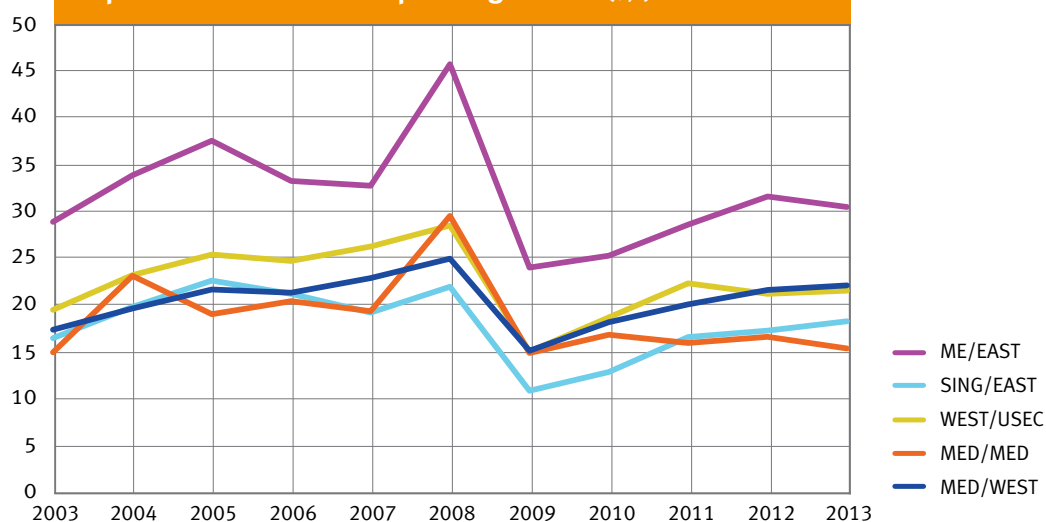


Table 4.8**Transportation**Clean tanker spot freight rates (% of *Worldscale* and \$ per t)

	ME/EAST		SING/EAST		WEST/USEC		MED/MED		MED/WEST	
	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t
2003	231	28.9	264	16.5	258	19.5	268	8.4	278	17.4
2004	255	33.8	296	19.8	289	23.2	289	9.2	298	19.7
2005	276	37.5	330	22.6	312	25.4	292	11.0	302	21.7
2006	216	33.2	277	21.2	271	24.7	256	10.4	266	21.4
2007	183	32.7	218	19.2	250	26.3	238	10.8	247	22.9
2008	250	45.6	244	22.0	264	28.5	251	12.0	261	25.0
2009	95	24.0	89	10.9	103	15.1	112	6.3	122	15.2
2010	134	25.3	137	12.9	166	18.7	175	8.7	185	18.2
2011	125	28.6	148	16.6	167	22.3	166	9.2	175	20.1
2012	116	31.6	130	17.3	134	21.2	153	9.5	162	21.6
2013	103	30.4	126	18.3	125	21.6	145	8.9	154	22.1

Notes: ME = Middle East; EAST = Far East; SING = Singapore; WEST = North-West Europe; USEC = US East Coast; MED = Mediterranean.

Graph 4.6: Clean tankers spot freight rates
(% of *Worldscale*)**Graph 4.7: Clean tankers spot freight rates (\$/t)**

Main crude oil pipelines in OPEC Members, 2013

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Algeria			
Haoud El Hamra/Bejaia	Sonatrach/TRC	415	24
Haoud El Hamra/Skikda	Sonatrach/TRC	400	34
Haoud El Hamra/Arzew (2)	Sonatrach/TRC	498/511	28/34
In Amenas/La Skhirra (Tunisia)	Sonatrach/TRC	165	24
Angola			
Block 0: GS-N platform/Malongo terminal	Chevron	35	30
Block 0: South Nemba/East Kokongo	Chevron	22	18
Block 0: East Kokongo/Malongo terminal	Chevron	65	24
Block 2: Lombo East/Essungu	Snl P & P	76	16
Block 2: Essungu/Quinfuquena terminal	Snl P & P	22	18
Block 3: PAMF1/PALP 2	Snl P & P	23	16
Block 17: P70/FPSO Girassol	Total	26	8
Block 17: P80/FPSO Girassol	Total	40	8
Block 17: FLET P10/SSU Zinia	Total	34	10
Block 18: Greater Plutonio project (2)	BP	20/22	12
Block 31: PSVM project	BP	40, 35, 33	14 /17–22, 2 x 12
Ecuador			
Lago Agrio/Esmeraldas	Transpecuador (state)	305	26/20/26
Lago Agrio/Esmeraldas	Pesados (private)	304	24, 2 x 32, 34, 36
IR Iran			
Marun/Esfahan	NIOC	273	30/32
Esfahan/Ray	NIOC	140	24
Ahwaz/Ray	NIOC	580	30/26
Naftshahr/Kermanshah	NIOC	144	8
Cheshmeh Khosh/Ahwaz	NIOC	96	18
Omidieh/Abadan	NIOC	64	12
Ahwaz/Abadan (2)	NIOC	75, 85	12/20, 24
Darkhoin/Abadan	NIOC	37	16
Goreh/Genaveh	NIOC	21	26/30/42
Genaveh/Kharg	NIOC	29	30/42/52
Neka/Sari/Ray	NIOC	199	16/32
Gachsaran/Shiraz	NIOC	142	10
Ray/Tabriz	NIOC	377	16
Tang-e-Fani/Kermanshah	NIOC	150	16
Iraq			
Kirkuk/Salah el-Dien	OPC	83	26
Baiju (K2)/Daura	OPC	213	12/16
East Baghdad/Daura refinery	OPC	60	16

Table 4.9**Transportation****Main crude oil pipelines in OPEC Members, 2013**

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Iraq (cont'd)			
Naft Khaneh/Daura	OPC	130	12
Strategic pipeline/Nasuriyah refinery	OPC	32	20
Strategic pipeline/Daura refinery (2)	OPC	108/110	18/26
Strategic pipeline/Musaiab PWR st	OPC	48	16
Strategic pipeline/Al-Khairat PWR st	OPC	29.5	14
Al-Ahdeb/Al-Zubaydia PWR st	OPC	73	10
North Rumaila PS/Basrah port	SOC	115	48
Zubair/Khor al Amayah port	SOC	114	42
Zubair/Basrah port	SOC	99	42
Tuba/Basrah SPM: 2 and 3 (2)	SOC	95/99	2 x 48
Faw/Basrah SPM: 2 and 3 (2)	SOC	35/38	2 x 48
Kuwait			
Wafa/Mab	KGOC	32	16
Wafa/Burgan	KOC	24	16
Burgan/Shuaiba	KOC	38	20
Khafji offshore/Khafji onshore (4)	KOC	4 x 31	24, 2 x 26, 36
Libya			
Sarir/Tobruk	Arabian Oil	318	34
Messla/Amal	Arabian Oil	128	42
Magid/Nafoora	Arabian Oil	65	14
Nafoora/Amal	Arabian Oil	32	32
Hamada/Az-Zawiyah	Arabian Oil	240	18
Waha/Zaggut	Waha Oil	27	24
Zaggut/Es-Sider	Waha Oil	166	24
Waha/Samah	Waha Oil	40	24
Zaggut/Samah	Waha Oil	22	24
Samah/Dahra	Waha Oil	114	32
Gialo/Waha	Waha Oil	94	30
Dahra/Bahi gathering	Waha Oil	43	30
Bahi gathering/Es-Sider (2)	Waha Oil	2 x 44	30
Faregh/Gialo	Waha Oil	40	12
Nasser/Al-Brayqah	Sirte	107	36
Raguba/Nasser Al-Brayqah line	Sirte	55	20
El-Sharara/Az-Zawiyah	Akakus	451	30
Rimal/Bu-Attifel	Mellitah Oil & Gas	47	12
Bu-Attifel/Intesar	Mellitah Oil & Gas	82	30
Intesar/Zuetina	Zuetina	136	40
Sabah/Zella	Zuetina	56	16

Main crude oil pipelines in OPEC Members, 2013

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Libya (cont'd)			
Zella/Hofra	Zuetina	70	20
Hofra/Aseida gathering	Harouge	35	24
Ora-Beda gathering/Aseida gathering	Harouge	84	24
Aseida gathering/Ras Lanuf	Harouge	55	30
Amal/Ras Lanuf (2)	Harouge	2 x 169	36/30
Dor Marada/Ora	Harouge	51	10
El-Feel/El-Sharara	Mellitah Oil & Gas	47	24
El-Sharara/Mellitah	Mellitah Oil & Gas	451	30
Nigeria			
Alakiri/Bonny	SPDC	21	24
Bonny/Port Harcourt refinery	NNPC/PPMC	34	24
Bonny/CLP	SPDC	18	48
Bonny terminal/offshore SBM (1 & 2)	SPDC	19	2 x 48
Brass Creek/Forcados	SPDC	34	24
Brass manifold/Brass offshore terminal	NAOC	16	36
Edop/Qit	MPN	30	24
Escravos/Warri/Kaduna	NNPC/PPMC	421	24/16
Forcados/CLP	SPDC	19	48
Forcados terminal/offshore SBM	SPDC	18	48
Idoho/Qit (2)	MPNU	19/48	24
Ogoda/Brass	NAOC	62	24
Oso/Qit	MPNU	31	18
Rapele manifold/Forcados terminal	SPDC	31	28
Tebidaba/Brass	NAOC	57	24
Ughelli PS / WRM LL	SPDC	19	20
Qatar			
Um Bab/Mile 32 (4)	QP	15	2 x 14, 16, 24
Mile 32/Storage tank Mesaieed (3)	QP	37	16, 20, 24
Bul Hanine/Halule Island	QP	27	20
DP (1 and 2)/Halule Island (3)	Total	25	2 x 12, 20
Idd El Shargi/Halule Island (2)	OXY	12, 15	20, 12
GIP/PS3	QPD	25	10
Saudi Arabia			
Abqaiq/Yanbu	Saudi Aramco	748	56
Shaybah/Abqaiq	Saudi Aramco	397	46
Hawtah/Hawtah stabilizer	Saudi Aramco	206	24
Ghawar/Abqaiq (3)	Saudi Aramco	2 x 110, 134	18/20/24/30/31, 46/48, 36/40/42
Abqaiq/Qatif junction (5)	Saudi Aramco	2 x 44, 3 x 34	30/32, 46/48, 30, 40/42

Table 4.9**Transportation****Main crude oil pipelines in OPEC Members, 2013**

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Saudi Arabia (cont'd)			
Abqaiq Plants/Dhahrab (3)	Saudi Aramco	39, 2 x 38	14, 12/14
Safaniyah/Juaymah	Saudi Aramco	123	46/48
AY-1L KP 65.628/Rabigh	Saudi Aramco	90	36
Khurais/Riyadh	Saudi Aramco	88	26
Khursaniyah/Ras Tanura (4)	Saudi Aramco	53, 63, 65, 67	40/42/48, 22, 40/42, 30
Safiniyah/Khursaniyah (4)	Saudi Aramco	4 x 66	22, 30, 40/42, 40/42/48
Berri/Ras Tanura	Saudi Aramco	37	40/42
Km 50/Qatif junction	Saudi Aramco	31	46/48
Neutral Zone: Wafra field/Mina Saud (3)	SAC	3 x 31	10, 16, 20
Aindar/Abqaiq Plants (3)	Saudi Aramco	3 x 28	20/22, 24/26/28, 24/26/30/32
Qatif junction/Ju'aymah terminal (3)	Saudi Aramco	3 x 24	48, 2 x 46/48
United Arab Emirates			
Murban/Jabel Dhanna	ADCO	3 x 71	24, 32/36, 36
Umm Shaif/Das Island	ADMA	22	36
Lower Zakum/Das Island	ADMA	56	30
Upper Zakum/Zirku Island	ZADCO	37	42
Venezuela			
Bachaquero/PT Miranda (2)	PDVSA	66	30/31, 30/34
PT Miranda/Cardon	PDVSA	141	30
Pta de Palma/PT Miranda	PDVSA	42	24
Ule/Amuya (2)	PDVSA	143	24/26, 26
Lagunillas/La Salina	PDVSA	26	34
PT Oficina/PT la Cruz (3)	PDVSA	2 x 97, 62	30, 26, 16
PT Oficina/PT Anaco	PDVSA	34	16
PT Travieso/T Jose	PDVSA	94	26
PT Travieso/ERB-II	PDVSA	62	16
ERB-II/PT la Cruz	PDVSA	32	16
PT Travieso/Naricual	PDVSA	84	30
ERB-II/T Jose	PDVSA	29	36
PT Oficina/T Jose (2)	PDVSA (31/30 per cent)	93	42/20
PT Morichal/PT Oficina	PDVSA	91	36
Mata Larga/PT Silvestre	PDVSA	165	20
PT Silvestre/El Palito	PDVSA	213	20

Main gas pipelines in OPEC Members, 2013

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Algeria			
Hassi R'Mel/Arzew (4)	Sonatrach	315, 316, 2 x 318	2 x 40, 24/20, 42
Hassi R'Mel/Arzew — Beni Saf	Sonatrach	321	48
Hassi R'Mel/Isser	Sonatrach	272	42
Hassi R'Mel/Skikda (2)	Sonatrach	2 x 357	42
Hassi R'Mel/Skikda — El Kala	Sonatrach	433	48
Hassi R'Mel/O-Safsaf (3)	Sonatrach	3 x 341	48
Hassi R'Mel/El Aricha	Sonatrach	324	48
Alrar/Hassi R'Mel (3)	Sonatrach	2 x 597, 330	42/48
Angola			
Blocks (14, 15, 17, 18)/Soyo	Sonangás	310	18, 22, 24
Ecuador			
Amistad (offshore)/Machala	EDC Ecuador Ltd	41.78	12.75
IR Iran			
Bid Boland/Qom/Qazvin/Rasht/Astara	NIOC	685.4042	42/40
Kangan/Gazvin	NIOC	685.4042	42/48
Kangan/Gazvin/Astara	NIOC	1157.6682	56
Asaluyeh/Saveh	NIOC	711.503	56
Asaluyeh/Agha Jari	NIOC	313.1856	42
Asaluyeh/Bid Boland-1/Dehgolan	NIOC	306.3502	56
Asaluyeh/Iranshahr	NIOC	560.5028	56
Asaluyeh/Tehran	NIOC	668.005	56
Asaluyeh/Tiran	NIOC	108	56
Iraq			
Kirkuk/Baiji	OPC	90	24
Baiji/Al-Qaiem	OPC	268	16
Baiji/Al-Mashriq	OPC	131	18
Kirkuk/Taji	OPC	272	16
Taji/South Baghdad PWR St	OPC	35	18
Strategic pipeline/Hilla PWR St	OPC	45	16
Strategic pipeline/Al-Najaf PWR St	OPC	23	16
North Rumaila/Khor Al-Zubair	OPC	54	42
Khor Al-Zubair/Hartha PWR St	OPC	48	24
Rumaila/An Nasiriyah PWR St	OPC	134	24
AGP Pipeline	OPC	321	42
AGP Connection/Hilla-2 PWR St	OPC	25	24
Kuwait			
Khafji offshore/Khafji onshore (2)	KJO	na	12, 42
Wafa/KOC booster station	WJO	na	18
Libya			
Wafa/Mellitah (2)	Mellitah Oil & Gas	2 x 326	16, 32
Bouri offshore/Bahr Es Salam (2)	Mellitah Oil & Gas	2 x 12	4, 10
Bahr es Salam/Mellitah (2)	Mellitah Oil & Gas	2 x 68	10, 36
Mellitah/Gela (Italy)	Green Stream	334.8	32
Bu Attifel/Intisar (2)	Mellitah Oil & Gas, Eni Oil	2 x 82	34, 10
Faregh/Intisar	Waha	68.2	24
Intisar/Sahl	Sirte Oil	49.6	30

Table 4.10**Transportation****Main gas pipelines in OPEC Members, 2013**

Libya (<i>cont'd</i>)	Owner or operator	Length (<i>miles</i>)	Diameter (<i>inches</i>)
Sahl/Km-81.5	Sirte Oil	30.38	30
Nasser/Km-81.5	Sirte Oil	57	30
Km-81.5/Brega	Sirte Oil	50.84	30
Brega/Benghazi	Sirte Oil	152.52	34
Brega/Al Khums	Sirte Oil	399.9	34
Waha/Nasser	Waha	68.2	24
Nasser/Brega	Sirte Oil	106.64	36
Attahaddy/Km-91.5 (2)	Sirte Oil	2 x 16	12, 30
Km-91.5/Brega (2)	Sirte Oil	2 x 57	16, 36
Raguba/Km-110	Sirte Oil	54.56	20
Jakhira/Intisar (2)	Wintershall	2 x 50	8, 20
Intisar/Zueitina	Zueitina	136.4	20
Nigeria			
Soku/NLNG Bonny	Shell PDC Ltd	51	40
Bonga offshore/Riser platform — A	Shell PDC Ltd	55.92	16
Riser platform — A/NLNG Bonny	Shell PDC Ltd	164.04	32
Obiafu-Obrikom/Rumuji Node	Nigeria Agip Oil Co Ltd	38.53	24
Rumuji Node/NLNG Bonny	Nigeria Agip Oil Co Ltd	50.95	36
Akpo offshore/Amenam offshore	Total EPNG Ltd	93	16
Amenam offshore/NLNG Bonny	Total EPNG Ltd	34.18	24
Gbaran — Ubie/Soku	Shell PDC Ltd	34	40
Ogbainbiri/Obiafu — Obrikom	Nigeria Agip Oil Co Ltd	75.19	24
Obama/Brass terminal	Nigeria Agip Oil Co Ltd	24.71	4.5
Edop field offshore/Oso Riser platform	Mobil Producing Nigeria	24.86	32
Oso Riser platform/Bonny River terminal	Mobil Producing Nigeria	39.77	24
GGSP offshore/Escravos onshore	Chevron Nigeria Ltd	22.48	20
Escravos onshore/FSO vessel (2)	Chevron Nigeria Ltd	22, 28	8.6
Qatar			
PS-2 offshore/PS-1 offshore	QP	37	10
PS-3 offshore/PS-1 offshore	QP	76.8	34
PS-4/Ras Laffan Landfall	QP, Qatar Gas	2 x 77	12, 32
NF B-PU/Ras Laffan Landfall	Qatar Gas	91	34
Qatargas (–4, –6, –7, –8)/Ras Laffan landfall	Qatar Gas	91	38
RG-A/Ras Laffan landfall	Ras Gas	95	38
Rasgas (–4, –6, –8)/Ras Laffan landfall	Ras Gas	100	38
DOL-1/Ras Laffan landfall	Dolphin/Del	74	36
DOL-2/UAE	Dolphin/Del	363	48
Ras Laffan/Ras Laffan landfall	Shell/Phillips	52	30
PEARL-2/Ras Laffan landfall	Shell/Phillips	64	30
PEARL-1/Ras Laffan landfall	ExxonMobil	88	32
BRZ-WHP1/Ras Laffan landfall	ExxonMobil	80	32
BRZ-WHP2/Ras Laffan landfall	QP	38	24
Station U/Station B	QP	21.7	18
Station B/Station E	Dolphin Energy	230	48
Station B/Station S	QP	46	24
Station N/Station B	QP	41	30
Station N/Station B	QP	41	36
Station B/Station S	QP	41	36

Main gas pipelines in OPEC Members, 2013

Qatar (cont'd)	Owner or operator	Length (miles)	Diameter (inches)
Station B/Station S	QP	46	30
NGL3/NFIS	QP	85	20
Station B/Station U1	QP	28	36
Ras Laffan/NFGP (2)	QP	2 x 137	12, 34
Ras Laffan: Station V/Station S (2)	QP	2 x 124	36
Ras Laffan/Mesaieed	QP	135	20
Ras Laffan: Station V/Station T3	QP	87	36
Station B/Station W1 (3)	QP	55	36, 2 x 30
Station S/Station W2	QP	38	30
Saudi Arabia			
Abqaiq/Yanbu	Saudi Aramco	741	48
Hawiyah/UBTG-1	Saudi Aramco	35	56
UBTG-1/Berri (2)	Saudi Aramco	2 x 155	56, 36/38/40/42
UBTG-1/AY-1 KP 916	Saudi Aramco	152	56
UBTG-1/Ju'aymah	Saudi Aramco	127	28/30/38/40
Safaniya/Ju'aymah	Saudi Aramco	123	40
AY-1 KP 943/Riyadh	Saudi Aramco	95	48
Tanajib/Berri	Saudi Aramco	90	30
Haradh/Uthmaniya (2)	Saudi Aramco	77, 87	24/ 32, 48
Abqaiq/Berri	Saudi Aramco	85	24/36
UA-1/Uthmaniya	Saudi Aramco	62	24/32
Ju'aymah/Jubail	Saudi Aramco	35	30/38/40
Depco/Abqaiq	Saudi Aramco	20	40
Abqaiq/Shedgum	Saudi Aramco	33	42
Aindar/Shedgum	Saudi Aramco	21	12
Qatif North/Berri	Saudi Aramco	28	32
Tinat/Haradh	Saudi Aramco	27	20
Waqr/Haradh	Saudi Aramco	31	30
Haradh/Hawiyah (3)	Saudi Aramco	3 x 27	30
Hawiyah/ Uthmaniyah	Saudi Aramco	29	32
United Arab Emirates			
Habshan/Maqta	ADNOC	81	42
Murban Bab/Maqta	ADNOC	83	30
Murban Bab/Ruwais	ADNOC	68	30
Maqta/Al Taweelah	ADNOC	2 x 33	24, 36
Maqta/Al Ain	ADNOC	100	30
Murban Bab/Jebel Ali Port	Dubai-Government	47	24
Sajaa/Sharjah	Emmarat	27	18/6/4
Venezuela			
Anaco/El Palito	PDVSA	1,565	8/10/12/16/20/26/30/36
Pto Ordaz/Anaco	PDVSA	400	16/20/26/36
Anaco/Pto La Cruz	PDVSA	230	12/16/20/26/36
Flujo St/Sota St	E M Petrodelta	63.31	12
Mulata/Sota St	PDVSA	71.5	26
Santa Barbara/Aguasay	PDVSA	40.73	36
Quiriquire/Jusepin	PDVSA	32.32	20
Trans-Caribbean pipeline	PDVSA	125.71	26

Table 4.11**Transportation****Main petroleum product pipelines in OPEC Members, 2013**

Connection from/to	Owner or operator	Length (<i>miles</i>)	Diameter (<i>inches</i>)
Algeria			
Sidi Arcine/Blida (2)	Naftal	30, 24 (LPG)	10
Skikda/El Khroub	Naftal	56, 57 (LPG)	12, 10
Arzew/Sidi Bel Abbès (2)	Naftal	45, 45 (LPG)	12, 10
Sidi Bel Abbès/Sidi Abdeli	Naftal	32	10
Sidi Abdeli/Remchi	Naftal	14	8
Arzew/Oran	Naftal	19	8
Sidi Bel Abbès/Tlemcen	Naftal	44 (LPG)	8
Angola			
Lobito-Lusaka (Zambia) ¹	Sonangol	868	na
Ecuador			
Esmeraldas/Santo Domingo	EP Petroecuador	101	16
Santo Domingo/Beaterio	EP Petroecuador	55	12
Santo Domingo/Pascuales	EP Petroecuador	170	10
Libertad/Barbasquillo	EP Petroecuador	104	6
Libertad/Pascuales	EP Petroecuador	78	10
Shushufindi/Beaterio	EP Petroecuador	187	6/4
Quito/Ambato	EP Petroecuador	69	6
Monteverde/Chorrillos	EP Petroecuador	76	12
IR Iran			
Mahshahr/Abadan	NIOC	63	16
Abadan/Ahwaz	NIOC	94	12, 16
Ahwaz/Rey (2)	NIOC	510, 469	10/14/10, 16/20/16
Esfahan/Rey (2)	NIOC	2 x 231	18, 24
Arak/Rey	NIOC	160	10, 16
Arak/Hamadan	NIOC	107	12
Rey/Tabriz	NIOC	476	14
Tabriz/Orumieh	NIOC	174	8, 10
Rey/Rasht	NIOC	195	14, 16, 18
Rey/Karadj	NIOC	36	8
Gazvin/Rasht	NIOC	109	6
Rey/Mashhad	NIOC	523	20, 22
Shahrood/Mashhad	NIOC	275	8
Shahrood/Gorgan	NIOC	103	8, 10
Imam — Taghy/Torbat Haidar	NIOC	58	8
Rey/Sary	NIOC	178	12, 16

1. Project underway.

Main petroleum product pipelines in OPEC Members, 2013

Connection from/to	Owner or operator	Length (<i>miles</i>)	Diameter (<i>inches</i>)
Iraq			
Baiji/Hamam Alil	OPC	104	16
Hamam Alil/Felfel	OPC	40	32
Baiji/Kirkuk (2)	OPC	2 x 53	8, 12
Baiji/T1	OPC	150	16
Baiji/Mushahdah (2)	OPC	2 x 104	22, 8
Mushahdah/Karkh	OPC	69	12
Mushahdah/Rusafa	OPC	32	12
Duara/Rusafa	OPC	31	10
Rusafa/Diala	OPC	15	8
Nasuria/Daurah	OPC	235	10/14
Shuaiba/Nasuria (2)	OPC	2 x 100	14, 10
Shuaiba/Khour Al-Zubair (2)	OPC	2 x 27	8/10, 10
Nasuria/Kut	OPC	115	8
Daurah/Baghdad Int Airport	OPC	17	8
Karkh/Habania	OPC	97	16, 12
Kuwait			
Mina al Ahmadi/Subhan	KNPC	12	8, 2 x 6, 12
Mina al Ahmadi/Kafco	KNPC	25	10, 12
Maa Refinery/Al-Zour/Doha	KNPC	52	18, 2 x 20
Libya			
Azzawya/Airport road depot (2)	Elbrega Co	2 x 34	16, 10
Azzawya/Janzour depot	Elbrega Co	21	8
Azzawya/Elwettia depot	Elbrega Co	56	16
Azzawya/Eljmail depot	Elbrega Co	40	16
Nigeria			
Warri/Benin	PPMC	56	16
Benin/Ore	PPMC	71	14
Ore/Moisimi	PPMC	94	12
Auchi/Benin	PPMC	66	12
Atlas Cove/Moisimi	PPMC	30	16
Moisimi/Ibadan	PPMC	49	12
Ibadan/Ilorin	PPMC	106	6
Enugu/Auchi	PPMC	105	12
Auchi/Suleja	PPMC	155	12
Suleja/Minna	PPMC	50	8
Suleja/Kaduna	PPMC	93	12

Table 4.11**Transportation**

Main petroleum product pipelines in OPEC Members, 2013

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Qatar			
QP Refinery, Mesaieed/WOQOD, Doha (3)	QP Refinery	2 x 26, 18	12, 18, 6
QP Refinery, Mesaieed/Export berth (2)	QP Refinery	2 x 4	16, 20
Saudi Arabia			
Dharan/Riyadh	Saudi Aramco	246	20
Riyadh/Qasim	Saudi Aramco	225	16
Yanbu/Madina	Saudi Aramco	93	14
Ras Tanura/Dhahran (3)	Saudi Aramco	66, 2 x 23	20, 2 x 12
Abqaiq/Alhasa	Saudi Aramco	40	8
United Arab Emirates			
Mussaffah/Al Ain	Takreer	101	10
Mussaffah/Abu Dhabi Airport	Takreer	17	10
Ruwais refinery/Mussaffah	Takreer	129	16
Abu Dhabi refinery/Mussaffah (2)	Takreer	10, 10 (LPG)	12, 8
Abu Dhabi refinery/Abu Dhabi airport	Takreer	10	10
Venezuela			
PT La Cruz/San Tomé	PDVSA	99	16
San Tomé/Maturín	PDVSA	99	8
San Tomé/Puerto Ordaz	PDVSA	124	12
Puerto Ordaz/Bolívar	PDVSA	44	8
Bajo Grande/San Lorenzo	PDVSA	70	12
San Lorenzo/El Vígía	PDVSA	104	12
Carenero/Guatire	PDVSA	45	16
El Palito refinery/Yagua	PDVSA	29	16
El Palito refinery/Barquisimeto	PDVSA	95	12



SECTION 5

Prices

Table 5.1**Prices****OPEC Reference Basket (ORB) and corresponding spot components prices (\$/b)**

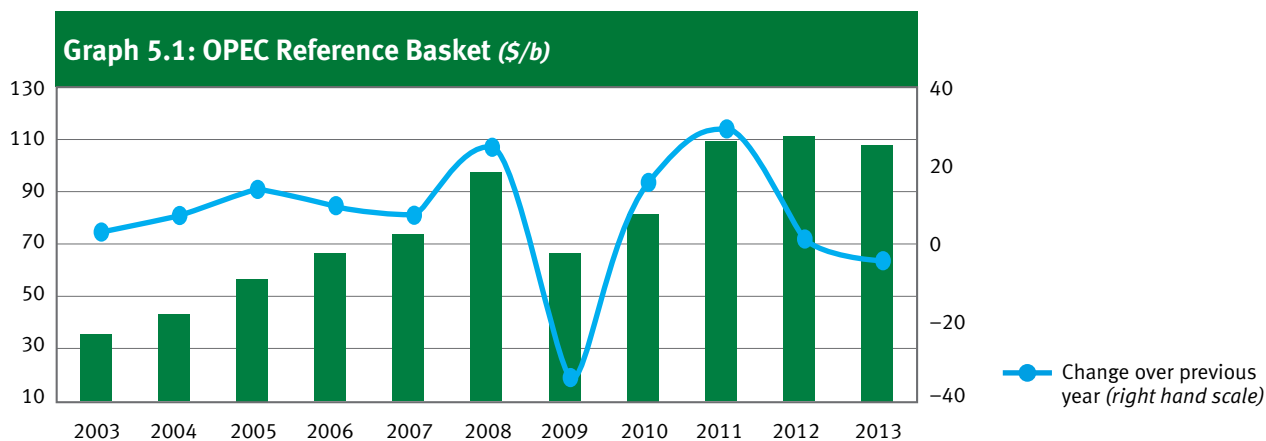
	Algeria Saharan Blend	Angola Girassol	Ecuador Oriente	IR Iran Iran Heavy	Iraq Basra Light	Kuwait Kuwait Export	Libya Ess Sider	Nigeria Bonny Light	Qatar Marine	Saudi Arabia Arab Light	UAE Murban	Vene- zuela Merey ¹	ORB volatility ²	ORB Coefficient of variation ³ %	
2003	28.73	28.33	25.42	26.34	26.60	26.89	28.21	28.77	27.05	27.69	28.25	na	28.10	2.17	8
2004	38.35	35.77	30.31	33.06	34.60	34.08	36.58	38.27	34.04	34.53	36.65	na	36.05	4.52	13
2005	54.64	51.33	43.43	47.99	48.33	48.66	52.62	55.67	50.49	50.21	54.09	40.53	50.64	5.40	11
2006	66.05	63.06	53.93	59.27	57.97	58.88	63.35	66.84	62.64	61.10	66.06	52.01	61.08	5.17	8
2007	74.66	70.88	61.55	67.06	66.40	66.35	71.41	75.14	69.30	68.75	72.87	61.80	69.08	11.56	17
2008	98.96	95.64	85.43	91.49	92.08	91.16	96.65	100.60	94.86	95.16	99.03	86.73	94.45	28.43	30
2009	62.35	61.81	55.84	60.62	60.50	60.68	61.45	63.25	62.38	61.38	63.78	55.90	61.06	12.65	21
2010	80.35	79.53	72.82	76.74	76.79	76.32	79.13	81.07	78.18	77.82	79.94	69.70	77.45	5.38	7
2011	112.92	111.57	101.03	106.11	106.17	105.63	111.90	114.15	106.53	107.82	109.77	97.94	107.46	6.50	6
2012	111.49	112.21	102.76	109.06	107.96	108.93	111.86	113.66	109.26	110.22	111.76	100.06	109.45	7.96	7
2013	109.38	109.14	97.74	105.73	103.60	105.04	108.51	111.36	105.32	106.53	108.21	96.66	105.87	3.93	4

Notes: OPEC Reference Basket (ORB): Up to May 2005, ORB was calculated according to the old methodology. As of June 16, 2005, the new Basket methodology was implemented (for details, please refer to OPEC Basket definition under 'General Notes'). Basrah Light: up to 2001, delivery ex-Yanbu. As of 2002, quotations for US market and as of June 16, 2005, Market Weighted Average. Up to 2005, prices are averages of weekly fob quotations. As of 2006, based on daily quotations.

1. Prior to 2009, price of BCF-17 which was the component of the OPEC Basket and was replaced by Merey in 2009.

2. Standard deviation of daily prices.

3. Ratio of volatility to annual price.



Selected spot crude oil prices (\$/b)

	Algeria Zarzaitine	Angola Cabinda	IR Iran Iran Light	Libya Brega	Nigeria Forcados	Qatar Dukhan	Saudi Arabia Arab Heavy
2003	28.99	28.01	26.89	28.89	28.65	27.44	26.43
2004	38.53	35.54	34.60	38.35	38.10	36.05	31.14
2005	54.87	51.20	50.66	54.22	55.60	53.46	45.28
2006	66.31	62.07	61.07	65.04	67.07	65.39	56.82
2007	74.16	69.65	69.30	72.93	74.49	72.33	64.18
2008	99.33	94.29	94.66	98.12	101.42	98.39	88.12
2009	62.63	61.42	61.25	62.16	63.35	62.86	60.25
2010	80.34	79.13	78.18	79.67	81.06	79.36	75.56
2011	112.26	110.09	108.29	112.89	113.65	108.86	104.06
2012	111.18	112.10	109.79	111.45	114.21	110.34	108.32
2013	108.85	108.47	107.19	108.88	111.95	107.05	103.89

Notes: Up to 2005, prices are averages of weekly fob quotations. As of 2006, prices are based on daily quotations.

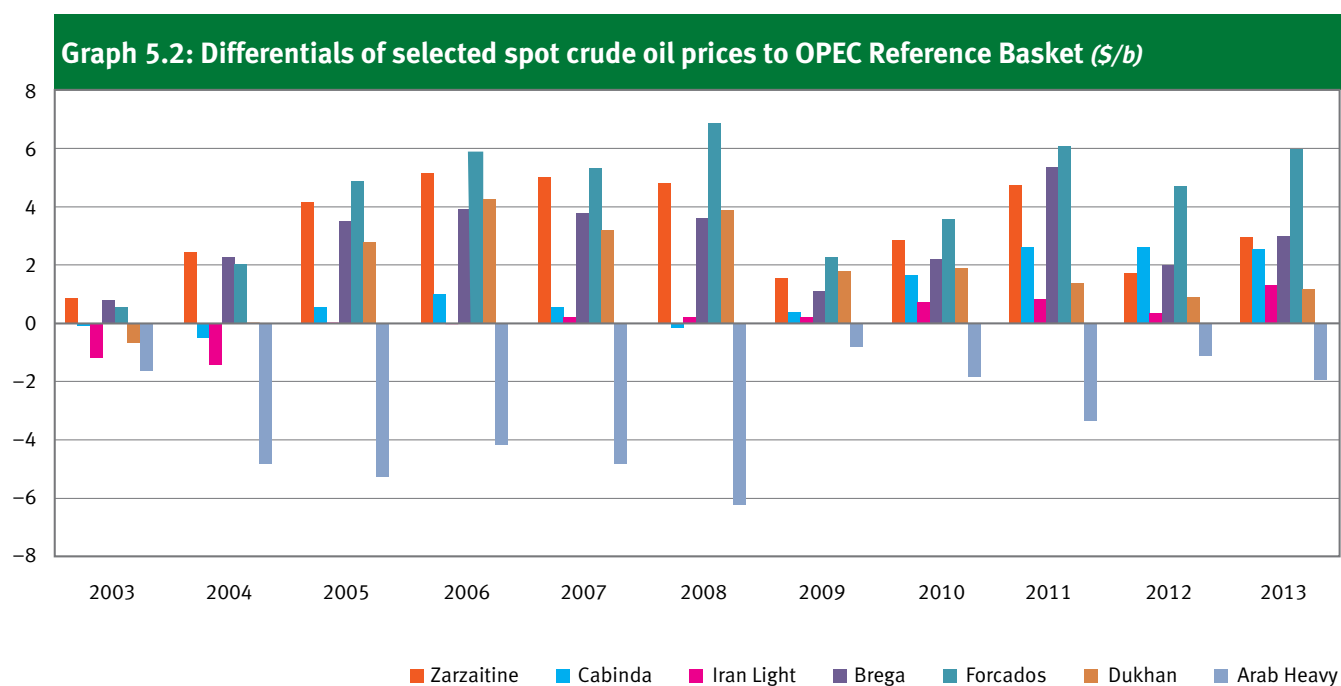
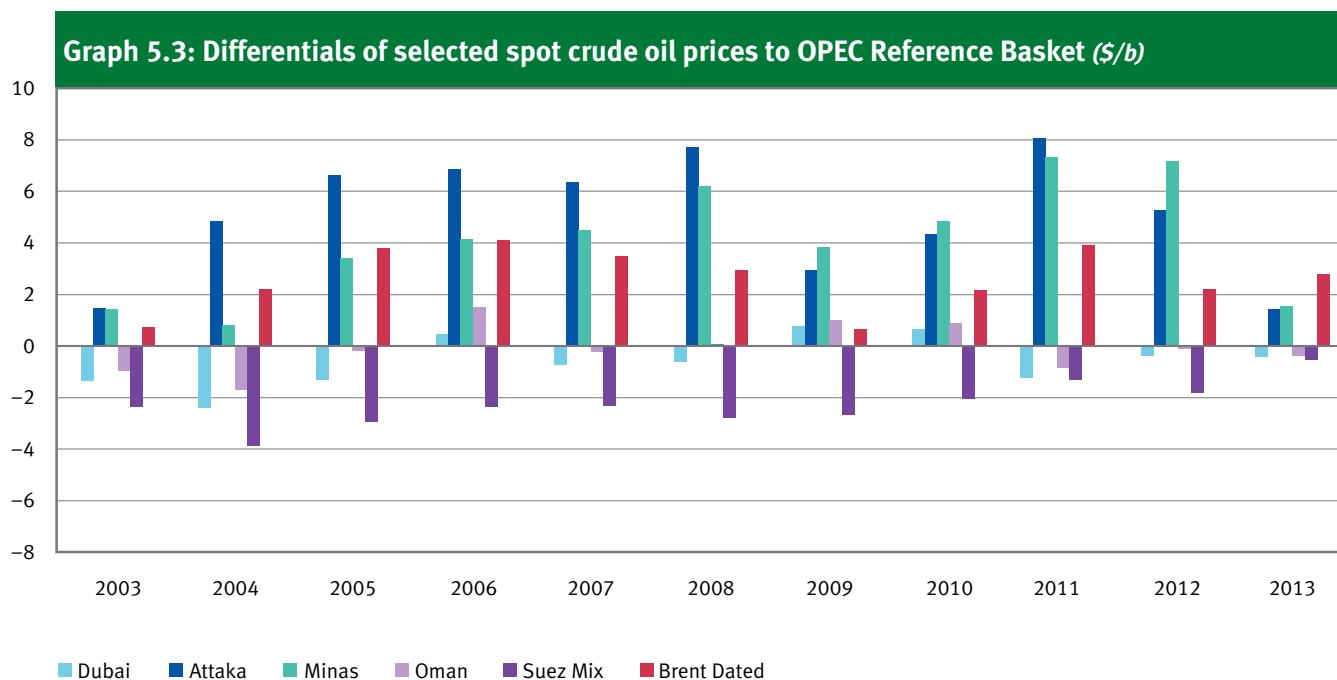


Table 5.2**Prices**

Selected spot crude oil prices (\$/b)

	UAE Dubai	Indonesia Attaka	Indonesia Minas	Oman Oman	Egypt Suez Blend	UK Brent Dtd
2003	26.77	29.58	29.52	27.14	25.76	28.81
2004	33.66	40.87	36.85	34.35	32.19	38.23
2005	49.36	57.26	54.01	50.48	47.71	54.44
2006	61.54	67.91	65.23	62.59	58.74	65.16
2007	68.38	75.44	73.56	68.86	66.78	72.55
2008	93.85	102.16	100.65	94.51	91.68	97.37
2009	61.83	64.00	64.90	62.06	58.38	61.68
2010	78.10	81.78	82.28	78.34	75.40	79.60
2011	106.21	115.50	114.79	106.63	106.18	111.36
2012	109.07	114.71	116.60	109.35	107.62	111.62
2013	105.45	107.29	107.41	105.51	105.35	108.62

Notes: Up to 2005, prices are averages of weekly fob quotations. As of 2006, based on daily quotations.



Selected spot crude oil prices (\$/b)

	UK Forties	Norway Ekofisk	Norway Oseberg	Mexico Isthmus	Mexico Maya	China Daqing	Malaysia Tapis
2003	28.94	28.89	28.97	28.25	24.23	29.52	30.08
2004	38.85	38.18	38.33	37.01	30.00	36.72	41.14
2005	55.06	54.48	54.84	50.35	40.94	52.65	57.94
2006	65.85	65.30	65.95	59.87	51.25	63.33	70.04
2007	72.46	73.20	73.87	67.58	59.83	71.30	77.87
2008	97.25	99.40	99.74	95.22	84.39	96.72	104.55
2009	61.68	62.67	62.83	60.85	56.65	59.97	65.05
2010	79.60	80.52	80.77	77.86	70.14	78.45	82.74
2011	111.36	112.74	112.98	105.64	98.64	110.46	117.15
2012	111.62	112.76	112.98	106.55	99.65	113.41	116.98
2013	108.65	109.88	110.04	105.16	97.31	104.00	114.39

Notes: Up to 2005, prices are averages of weekly fob quotations. As of 2006, prices are based on daily quotations.

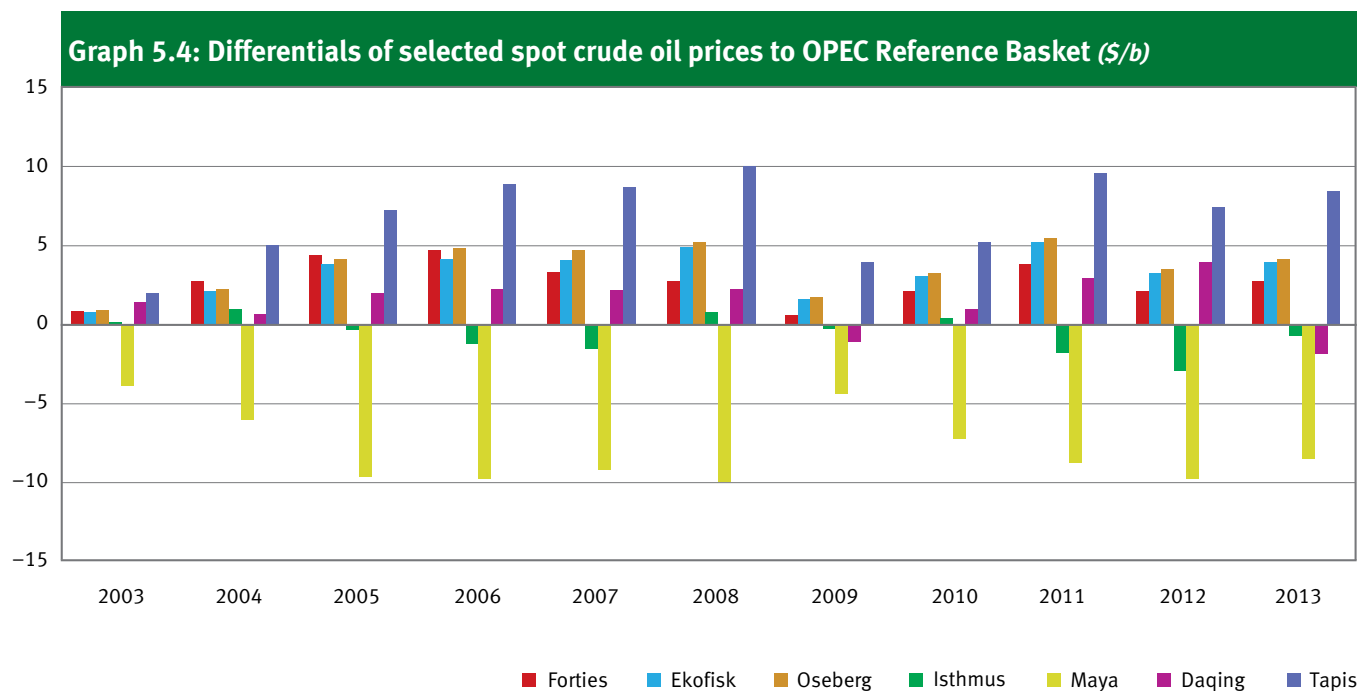
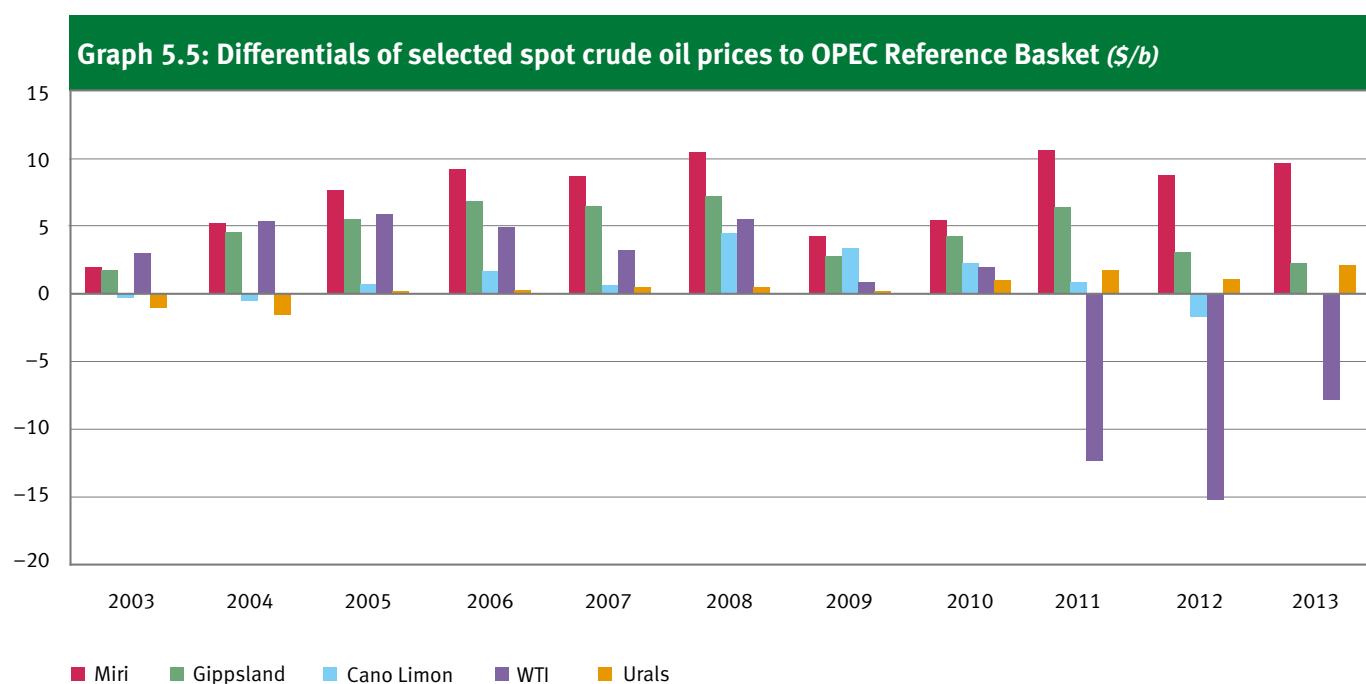


Table 5.2**Prices**

Selected spot crude oil prices (\$/b)

	Malaysia Miri	Australia Gippsland	Colombia Cano Limon	USA WTI	Russia Urals
2003	30.07	29.85	27.78	31.09	27.02
2004	41.21	40.58	35.53	41.44	34.47
2005	58.33	56.18	51.31	56.51	50.79
2006	70.30	67.92	62.72	66.04	61.37
2007	77.76	75.55	69.67	72.29	69.55
2008	104.90	101.66	98.94	100.00	94.87
2009	65.27	63.81	64.38	61.88	61.22
2010	82.87	81.73	79.75	79.42	78.39
2011	118.08	113.91	108.30	94.99	109.19
2012	118.25	112.49	107.66	94.10	110.49
2013	115.51	108.14	nap	97.96	108.00

Notes: Up to 2005, prices are averages of weekly fob quotations. As of 2006, prices are based on daily quotations. Urals delivery to Mediterranean.



OPEC Reference Basket in nominal and real terms (\$/b)

	Nominal ORB ¹	Nominal ORB adjusted for:		
		Exchange ²	Inflation ³	Combined ⁴
2003	28.10	24.27	27.22	23.51
2004	36.05	29.02	34.31	27.62
2005	50.64	40.86	47.26	38.13
2006	61.08	49.37	55.87	45.16
2007	69.08	53.14	61.95	47.66
2008	94.45	69.68	82.12	60.58
2009	61.06	46.67	52.99	40.50
2010	77.45	60.11	66.23	51.40
2011	107.46	80.07	89.59	66.75
2012	109.45	84.90	89.42	69.36
2013	105.87	82.67	85.32	66.63

Notes: Base: 2001 = 100.

1. Up to October 1974: 93 per cent of the posted prices of Arab Light (fob Ras Tanura). November 1974 to December 1981: official prices of Arab Light (fob Ras Tanura). As of 1982, OPEC Reference Basket price (*nb*, as of June 16, 2005, the new Basket methodology came into effect — see OPEC Basket definition under 'General Notes').
2. Based on weighted average index of currency exchange rates in the modified Geneva I Agreement (see Geneva I Agreement definition under 'General Notes').
3. Based on weighted average consumer price indices of modified Geneva I countries and USA.
4. Based on combined indices of exchange rates and inflation.

Graph 5.6: OPEC Reference Basket in nominal and real terms (base 2001, \$/b)

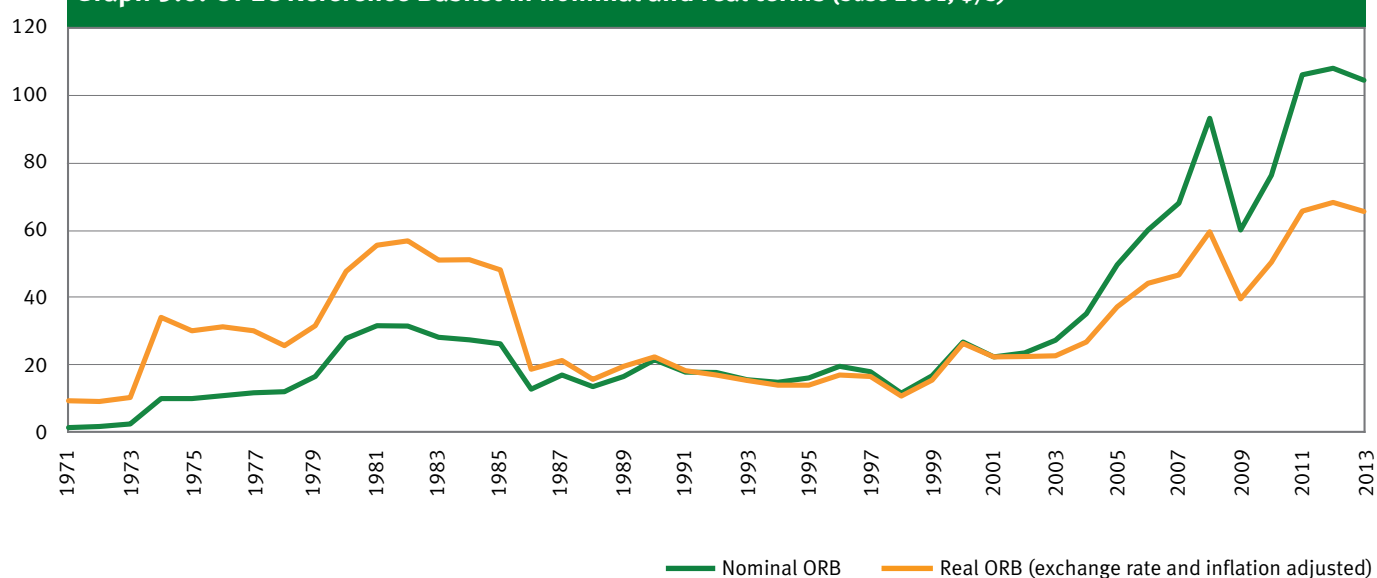


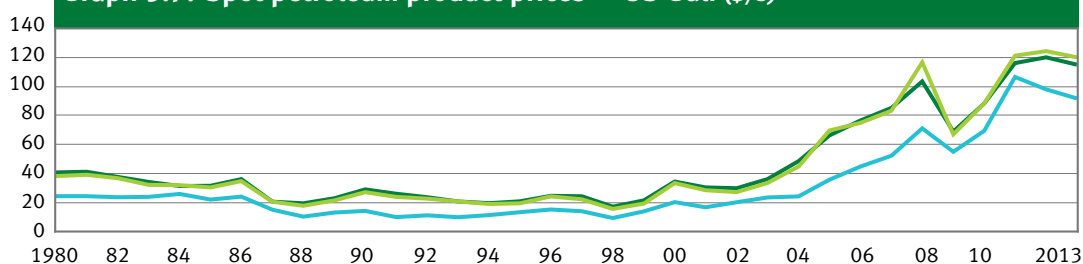
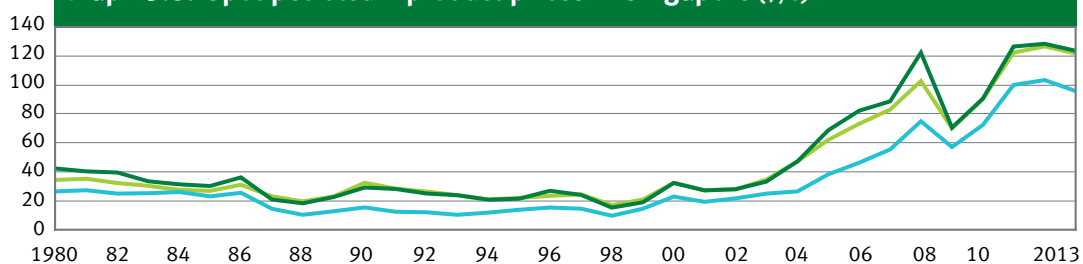
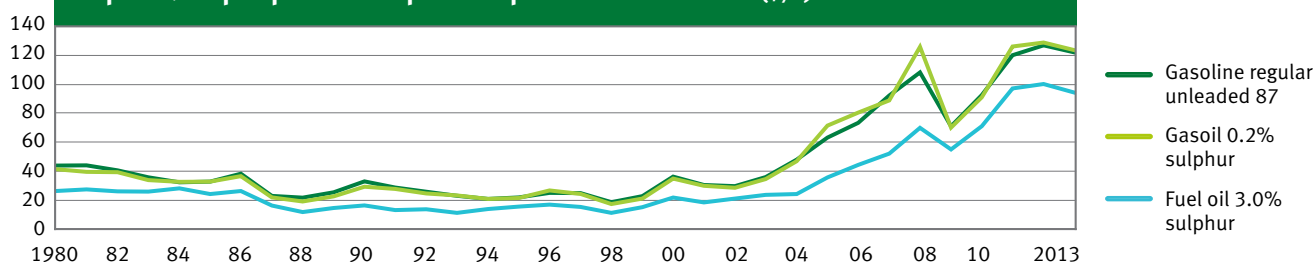
Table 5.4**Prices**

Spot prices of petroleum products in major markets (\$/b)

	US Gulf			Singapore			Rotterdam		
	gasoline	gasoil	fuel oil	gasoline	gasoil	fuel oil	gasoline	gasoil ¹	fuel oil
	reg unl 87	0.2% sulphur	3% sulphur	prem 0.15g/l	0.5% sulphur	380 CST	prem 0.15g/l	0.2% sulphur	3.5% sulphur
2003	36.83	34.09	24.02	34.74	33.38	25.07	34.86	33.47	22.38
2004	49.37	45.62	24.75	47.19	47.31	26.58	47.10	46.01	22.94
2005	67.25	70.71	36.42	62.10	68.66	38.38	62.58	70.91	34.59
2006	77.61	76.01	45.56	73.13	82.09	46.37	72.90	80.06	43.36
2007	86.42	84.45	53.08	82.87	88.55	55.49	92.03	88.62	51.30
2008	104.92	118.24	72.21	102.56	122.06	74.85	108.27	125.08	69.37
2009	69.98	68.00	55.90	69.92	70.59	57.16	70.45	70.43	54.22
2010	89.54	89.55	70.45	90.05	90.35	72.28	92.35	90.80	70.55
2011	117.70	122.83	108.01	122.04	126.29	99.87	120.35	126.47	97.02
2012	121.73	126.02	99.36	126.41	128.15	103.17	127.29	129.18	100.10
2013	116.55	121.75	93.05	121.51	123.38	95.67	122.57	123.87	93.89

Notes: Prices in case of US Gulf and Singapore apply to cargo lots and in case of Rotterdam to barges. Gasoline specification in Singapore is 97 research octane number with 0.15 gram lead per litre. Fuel oil viscosity is 380 centistokes with 3.5% sulphur. Gasoline specification for Rotterdam is 97–98 RON with 0.15 gram per litre lead.

1. From 2005, gasoil with 0.05% sulphur. From 2008, gasoil with 10ppm sulphur.

Graph 5.7: Spot petroleum product prices — US Gulf (\$/b)**Graph 5.8: Spot petroleum product prices — Singapore (\$/b)****Graph 5.9: Spot petroleum product prices — Rotterdam (\$/b)**

Retail prices of petroleum products in OPEC Members (*units of national currency/b*)

	2009	2010	2011	2012	2013
Algeria					
Gasoline	2,226.7	2,226.7	2,226.7	2,226.7	2,227.0
Diesel oil	1,370.0	1,370.0	1,370.0	1,370.0	1,370.0
Kerosene	nap	nap	nap	nap	nap
Fuel oil	nap	nap	nap	nap	nap
Angola					
Gasoline	8,713.2	8,713.2	9,540.0	9,540.0	9,540.0
Diesel oil	6,360.0	6,360.0	6,360.0	6,360.0	6,360.0
Kerosene	3,339.0	3,339.0	3,339.0	3,339.0	3,339.0
Fuel oil	50.8	50.8	49.0	49.0	49.0
Ecuador					
Gasoline	238.1	238.1	238.1	238.1	240.1
Diesel oil	143.4	143.4	143.4	143.4	149.7
Kerosene	143.4	143.4	143.4	143.4	149.7
Fuel oil	89.5	89.5	89.5	89.5	75.7
IR Iran					
Gasoline	198,750.0	198,750.0	755,250.0	1,192,500.0	1,192,500.0
Diesel oil	26,235.0	26,235.0	238,500.0	159,000.0	159,000.0
Kerosene	26,235.0	26,235.0	238,500.0	159,000.0	159,000.0
Fuel oil	10,104.5	20,208.9	318,000.0	318,000.0	318,000.0
Iraq					
Gasoline	71,550.0	71,550.0	71,550.0	71,550.0	71,550.0
Diesel oil	63,600.0	63,600.0	63,600.0	63,600.0	63,600.0
Kerosene	23,850.0	23,850.0	23,850.0	23,850.0	23,850.0
Fuel oil	15,900.0	15,900.0	15,900.0	15,900.0	15,900.0
Kuwait					
Gasoline	11.4	11.4	11.4	11.4	11.4
Diesel oil	8.7	8.7	8.7	8.7	8.7
Kerosene	8.7	8.7	8.7	8.7	8.7
Fuel oil	nap	nap	nap	nap	nap
Libya					
Gasoline	31.8	31.8	23.9	23.9	23.9
Diesel oil	30.2	27.0	27.0	27.0	27.0
Kerosene	12.7	12.7	12.7	12.7	12.7
Fuel oil	3.5	3.5	3.5	3.5	3.5
Nigeria					
Gasoline	14,531.0	10,335.0	10,335.0	15,423.0	15,423.0
Diesel oil	14,922.2	16,641.7	24,686.3	25,110.9	24,853.3
Kerosene	15,357.8	18,614.1	26,988.7	7,950.0	7,950.0
Fuel oil	11,452.8	12,772.6	9,978.8	18,585.5	18,394.9
Qatar					
Gasoline	119.3	119.3	143.1	143.1	147.1
Diesel oil	143.1	143.1	111.3	111.3	159.0
Kerosene	nap	nap	nap	nap	nap
Fuel oil	nap	nap	nap	nap	nap
Saudi Arabia					
Gasoline	83.5	83.5	83.5	83.5	83.5
Diesel oil	39.8	39.8	39.8	39.8	39.8
Kerosene	69.2	68.4	69.2	69.2	69.2
Fuel oil	nap	nap	nap	nap	nap
United Arab Emirates					
Gasoline	218.6	218.6	218.6	218.6	262.5
Diesel oil	300.7	300.7	300.7	300.7	361.3
Kerosene	nap	nap	nap	nap	nap
Fuel oil	nap	nap	nap	nap	nap
Venezuela					
Gasoline	13.3	13.3	13.3	13.3	13.3
Diesel oil	7.6	7.6	7.6	7.6	7.6
Kerosene	369.2	369.2	422.2	468.9	671.3
Fuel oil	9.6	9.6	9.6	9.6	9.6

Notes: Prices partly estimated and preliminary. Quotations converted from various volumetric units to barrel.

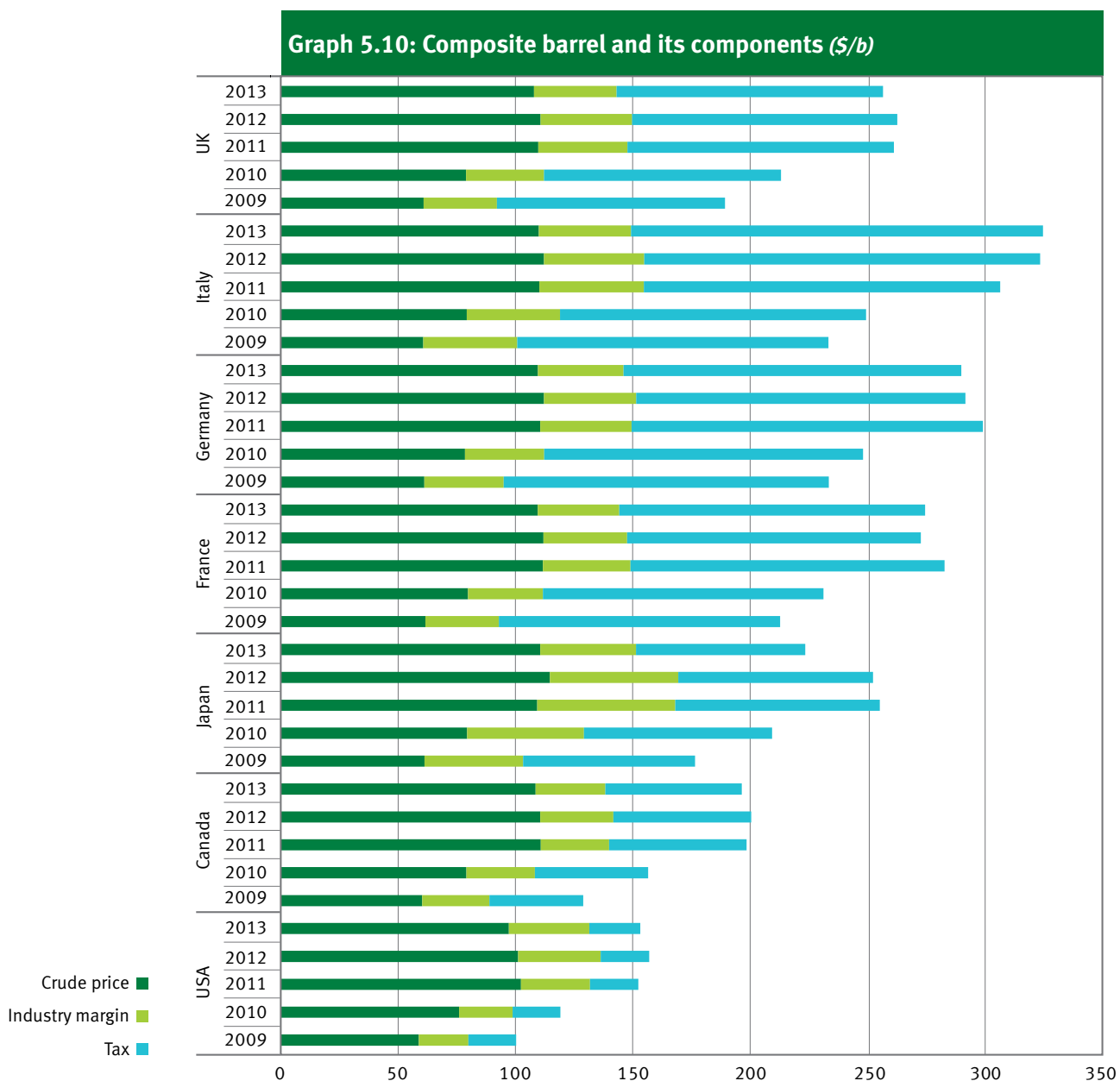
Table 5.6

Prices

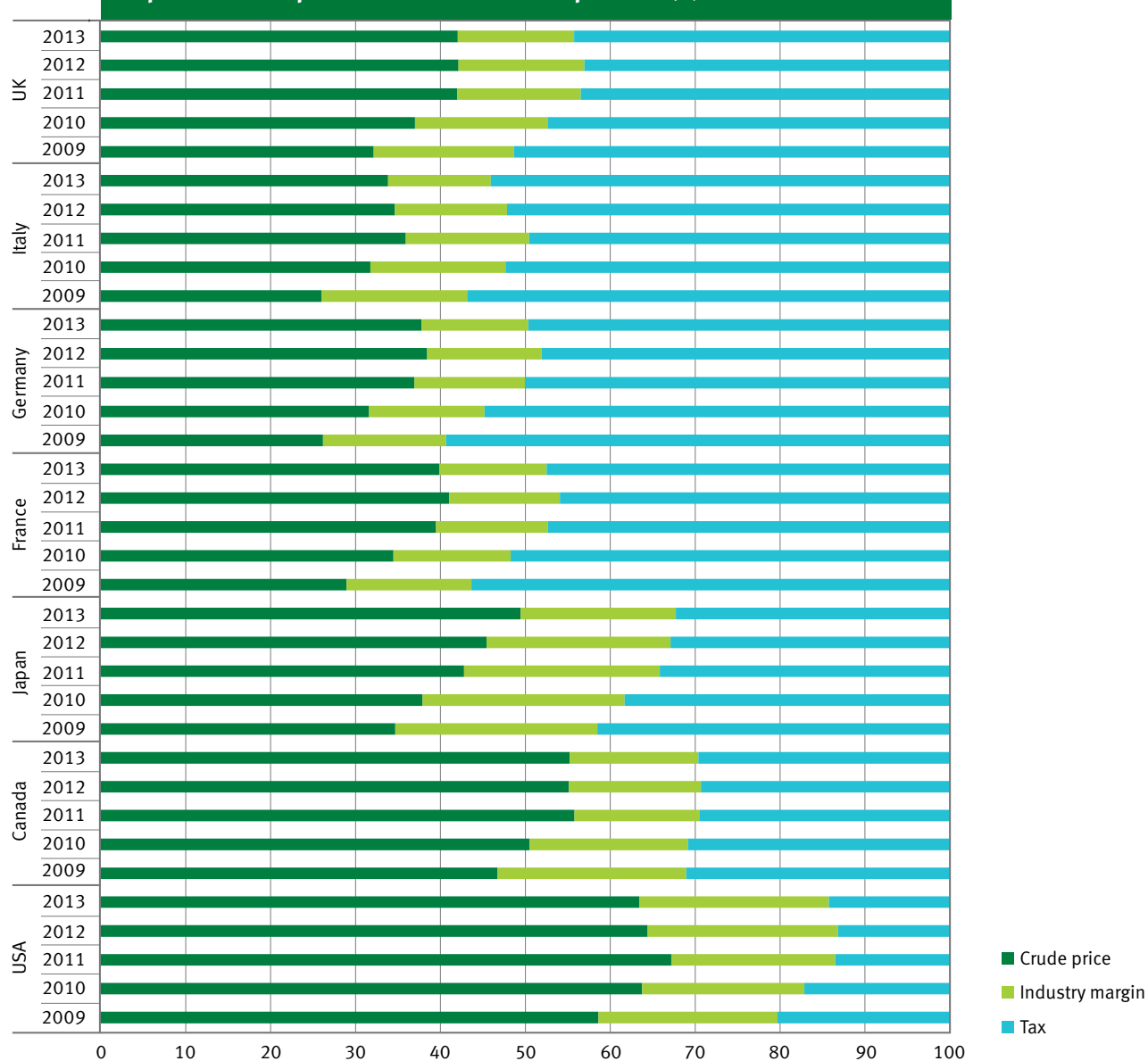
Composite barrel and its components in major consuming countries (\$/b)

	2009			2010			2011			2012			2013		
	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y
United States															
Composite barrel	100.3		-29.8	119.2		18.8	152.4		27.8	157.0		3.0	153.3		-2.4
Crude cif price	58.8	58.6	-38.1	76.0	63.8	29.2	102.4	67.2	34.7	101.2	64.4	-1.2	97.3	63.4	-3.9
Tax	20.4	20.3	0.1	20.4	17.1	0.2	20.6	13.5	0.8	20.7	13.2	0.5	21.8	14.2	5.6
Industry margin	21.2	21.1	-23.2	22.8	19.1	7.7	29.4	19.3	29.0	35.2	22.4	19.8	34.3	22.3	-2.8
Canada															
Composite barrel	129.0		-24.5	156.6		21.4	198.6		26.8	200.6		1.0	196.6		-2.0
Crude cif price	60.3	46.7	-40.5	79.1	50.5	31.3	110.8	55.8	40.0	110.6	55.2	-0.2	108.6	55.3	-1.8
Tax	40.0	31.0	-10.3	48.3	30.8	20.7	58.6	29.5	21.3	58.7	29.3	0.3	58.2	29.6	-1.0
Industry margin	28.6	22.2	15.4	29.2	18.6	1.8	29.2	14.7	-	31.2	15.6	6.9	29.8	15.2	-4.5
Japan															
Composite barrel	176.6		-17.6	209.5		18.6	255.4		21.9	252.5		-1.1	223.6		-11.5
Crude cif price	61.3	34.7	-39.3	79.4	37.9	29.6	109.3	42.8	37.6	114.8	45.4	5.0	110.6	49.5	-3.6
Tax	73.3	41.5	16.3	80.2	38.3	9.4	87.2	34.1	8.8	83.0	32.9	-4.8	72.1	32.3	-13.1
Industry margin	42.0	23.8	-16.4	49.8	23.8	18.6	58.9	23.1	18.2	54.7	21.7	-7.1	40.9	18.3	-25.4
France															
Composite barrel	221.0		-23.5	240.9		9.0	293.9		22.0	283.9		-3.4	285.4		0.5
Crude cif price	61.6	27.9	-36.9	79.8	33.1	29.4	111.8	38.0	40.1	112.0	39.5	0.2	109.6	38.4	-2.2
Tax	130.4	59.0	-10.9	129.7	53.8	-0.5	144.3	49.1	11.3	135.2	47.6	-6.3	140.8	49.3	4.1
Industry margin	29.0	13.1	-35.7	31.4	13.1	8.5	37.8	12.9	20.4	36.7	12.9	-3.0	35.0	12.3	-4.5
Germany															
Composite barrel	241.7		-18.8	258.2		6.8	310.4		20.2	302.9		-2.4	301.6		-0.4
Crude cif price	61.2	25.3	-36.7	78.5	30.4	28.3	110.6	35.6	40.9	112.2	37.0	1.4	109.6	36.3	-2.3
Tax	146.2	60.5	-8.6	144.2	55.9	-1.4	158.2	50.9	9.7	148.3	49.0	-6.2	152.5	50.6	2.9
Industry margin	34.3	14.2	-16.3	35.5	13.7	3.4	41.7	13.4	17.5	42.4	14.0	1.8	39.5	13.1	-6.9
Italy															
Composite barrel	246.0		-21.2	263.3		7.1	323.7		22.9	346.3		7.0	350.4		1.2
Crude cif price	60.7	24.7	-37.2	79.3	30.1	30.6	110.2	34.1	39.0	112.2	32.4	1.8	110.0	31.4	-2.0
Tax	142.4	57.9	-9.7	140.6	53.4	-1.3	163.6	50.5	16.4	184.8	53.4	13.0	194.5	55.5	5.3
Industry margin	42.9	17.4	-25.8	43.4	16.5	1.3	49.9	15.4	14.8	49.3	14.2	-1.0	45.8	13.1	-7.1
United Kingdom															
Composite barrel	239.6		-23.1	278.3		16.2	334.3		20.1	341.1		2.0	334.0		-2.1
Crude cif price	62.4	26.0	-37.2	80.6	29.0	29.2	113.5	33.9	40.8	112.6	33.0	-0.8	110.3	33.0	-2.1
Tax	155.5	64.9	-12.9	172.2	61.9	10.7	193.2	57.8	12.2	194.6	57.1	0.8	193.0	57.8	-0.9
Industry margin	21.7	9.1	-35.2	25.6	9.2	17.9	27.7	8.3	8.2	33.8	9.9	22.2	30.8	9.2	-9.0
G7															
Composite barrel	193.5		-22.1	218.0		12.7	267.0		22.5	269.2		0.8	263.6		-2.1
Crude cif price	60.9	31.5	-38.0	79.0	36.2	29.7	109.8	41.1	39.1	110.8	41.2	0.9	108.0	41.0	-2.5
Tax	101.2	52.3	-8.1	105.1	48.2	3.9	117.9	44.2	12.2	117.9	43.8	-	119.0	45.1	0.9
Industry margin	31.4	16.2	-21.5	34.0	15.6	8.2	39.2	14.7	15.5	40.5	15.0	3.2	36.6	13.9	-9.7

Notes: Prices partly estimated and preliminary. Quotations converted from various volumetric units to barrels.



Graph 5.11: Composite barrel and its components (%)





SECTION 6

Major oil companies

Table 6.1**Major oil companies**

Principal operations of the major oil companies (1,000 b/d)

	2009	2010	2011	2012	2013
BP					
Crude oil & NGL reserves ¹	5,658	5,559	5,153	4,477	4,161
Natural gas reserves ²	1,144	1,071	1,030	942	968
Crude oil produced	2,535	2,374	2,157	2,056	2,013
Crude oil processed	2,287	2,426	2,352	2,354	1,791
Refined products sold	5,887	5,927	5,776	5,657	5,569
Natural gas sold ³	240	238	213	209	200
ExxonMobil					
Crude oil & NGL reserves ¹	11,651	11,673	12,228	12,816	13,239
Natural gas reserves ²	1,926	2,232	2,158	2,098	2,035
Crude oil produced	2,387	2,422	2,312	2,185	2,202
Crude oil processed	5,350	5,253	5,214	5,014	4,585
Refined products sold	6,428	6,414	6,413	6,174	5,887
Natural gas sold ³	263	344	373	349	335
Total					
Crude oil & NGL reserves ¹	5,689	5,987	5,784	5,686	5,413
Natural gas reserves ²	745	730	870	874	935
Crude oil produced	1,381	1,340	1,226	1,220	1,167
Crude oil processed	2,151	2,009	1,863	1,786	1,719
Refined products sold	3,616	3,776	3,639	3,403	3,418
Natural gas sold ³	139	160	173	167	175
Royal Dutch/Shell					
Crude oil & NGL reserves ¹	4,693	5,179	5,098	5,317	6,170
Natural gas reserves ²	848	821	858	748	766
Crude oil produced	1,581	1,619	1,536	1,488	1,396
Crude oil processed	3,067	3,197	2,845	2,819	2,915
Refined products sold	6,156	6,460	6,196	6,235	6,164
Natural gas sold ³	240	263	254	268	272
Chevron					
Crude oil & NGL reserves ¹	4,610	4,270	4,295	4,353	4,303
Natural gas reserves ²	627	588	714	726	727
Crude oil produced	1,846	1,923	1,849	1,764	1,731
Crude oil processed	1,878	1,894	1,787	1,702	1,638
Refined products sold	3,254	3,113	2,949	2,765	2,711
Natural gas sold ³	282	295	289	277	276
Total majors					
Crude oil & NGL reserves ¹	32,301	32,668	32,558	32,649	33,286
Natural gas reserves ²	5,290	5,441	5,630	5,389	5,431
Crude oil produced	9,730	9,678	9,080	8,713	8,509
Crude oil processed	14,733	14,779	14,061	13,675	12,648
Refined products sold	25,341	25,690	24,973	24,234	23,749
Natural gas sold ³	1,165	1,301	1,301	1,269	1,258

Notes: Data include companies's shares in all operations in which they have an interest. Reserves data apply to proved developed oil and gas reserves except ExxonMobil which also includes undeveloped reserves.

1. Million barrels, as at year-end. 2. Billion cubic metres, as at year-end. 3. Million cubic metres/day.

Revenues, operating costs, deductions, taxation and net income of the major oil companies (*m \$*)

	2009	2010	2011	2012	2013
BP					
Revenues ¹	246,138	308,928	386,216	388,074	396,217
Cost of sales ²	224,033	315,688	350,185	369,766	366,073
Income tax (benefit)	8,365	-1,501	12,619	6,880	6,463
Special deductions	na	na	na	na	na
Net income (loss)	13,740	-5,259	23,412	11,428	23,681
ExxonMobil					
Revenues ³	310,586	383,221	486,429	480,681	438,255
Cost of sales ⁴	276,187	331,200	414,318	404,756	381,412
Income tax (benefit)	15,119	21,561	31,051	31,045	24,263
Special deductions	na	na	na	na	na
Net income (loss)	19,280	30,460	41,060	44,880	32,580
Total					
Revenues ³	183,175	211,143	257,093	257,038	251,731
Cost of sales ⁴	160,582	183,570	220,344	226,471	225,473
Income tax (benefit)	10,811	13,559	19,615	16,747	14,755
Special deductions	na	na	na	na	na
Net income (loss)	11,782	14,014	17,134	13,819	11,503
Royal Dutch/Shell					
Revenues ³	278,188	368,056	470,171	467,153	451,235
Cost of sales ⁴	257,368	333,059	414,895	416,889	417,798
Income tax (benefit)	8,302	14,870	24,450	23,552	17,066
Special deductions	na	na	na	na	na
Net income (loss)	12,518	20,127	30,826	26,712	16,371
Chevron					
Revenues ³	171,636	204,928	253,706	241,909	228,848
Cost of sales ⁴	153,108	172,873	206,072	195,577	192,943
Income tax (benefit)	7,965	12,919	20,626	19,996	14,308
Special deductions	80	112	113	157	174
Net income (loss)	10,483	19,024	26,895	26,179	21,423
Total majors					
Revenues ³	1,189,723	1,476,276	1,853,615	1,834,855	1,766,286
Cost of sales ⁴	1,071,278	1,336,390	1,605,814	1,613,459	1,583,699
Income tax (benefit)	50,562	61,408	108,361	98,220	76,855
Special deductions	80	112	113	157	174
Net income (loss)	67,803	78,366	139,327	123,018	105,558

Notes: Data includes companies shares in all operations in which they have an interest.

1. Includes earnings from equity interest and stockholding gain or loss.

2. Includes sales and excise taxes and interest expenses.

3. Includes dividend from related and non-consolidated companies.

4. Includes sales and excise taxes.

Table 6.3**Major oil companies**

Costs, deductions, taxation and net income as percentage of revenues of the major oil companies

	2009	2010	2011	2012	2013
BP					
Revenues	100	100.0	100.0	100.0	100.0
Cost of sales	91.0	102.2	90.7	95.3	92.4
Income tax (benefit)	3.4	-0.5	3.3	1.8	1.6
Special deductions	na	na	na	na	na
Net income (loss)	5.6	-1.7	6.1	2.9	6.0
ExxonMobil					
Revenues	100	100.0	100.0	100.0	100.0
Cost of sales	88.9	86.4	85.2	84.2	87.0
Income tax (benefit)	4.9	5.6	6.4	6.5	5.5
Special deductions	na	na	na	na	na
Net income (loss)	6.2	7.9	8.4	9.3	7.4
Total					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	87.7	86.9	85.7	88.1	89.6
Income tax (benefit)	5.9	6.4	7.6	6.5	5.9
Special deductions	na	na	na	na	na
Net income (loss)	6.4	6.6	6.7	5.4	4.6
Royal Dutch/Shell					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	92.5	90.5	88.2	89.2	92.6
Income tax (benefit)	3.0	4.0	5.2	5.0	3.8
Special deductions	na	na	na	na	na
Net income (loss)	4.5	5.5	6.6	5.7	3.6
Chevron					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	89.2	84.4	81.2	80.8	84.3
Income tax (benefit)	4.6	6.3	8.1	8.3	6.3
Special deductions	na	na	na	na	na
Net income (loss)	6.1	9.3	10.6	10.8	9.4
Total majors					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	90.0	90.5	86.6	87.9	89.7
Income tax (benefit)	4.2	4.2	5.8	5.4	4.4
Special deductions	na	na	na	na	na
Net income (loss)	5.7	5.3	7.5	6.7	6.0

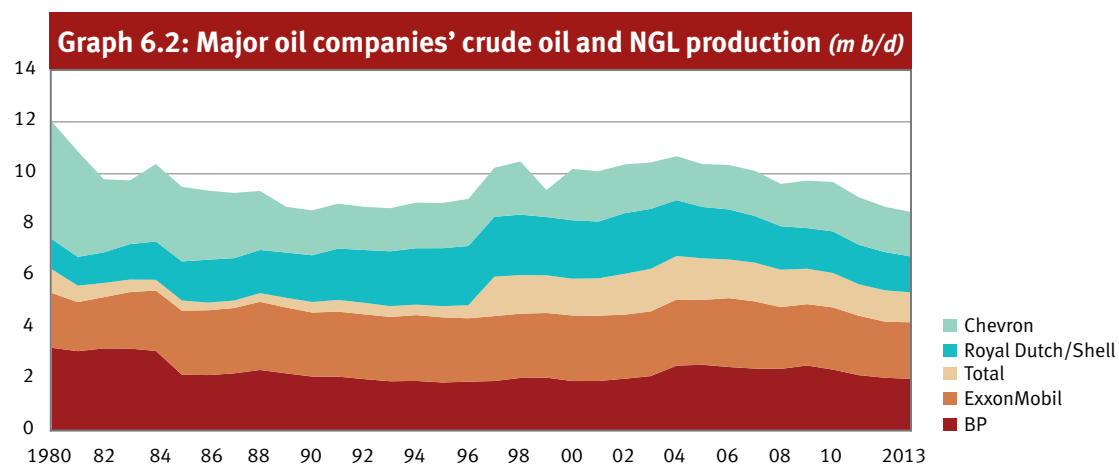
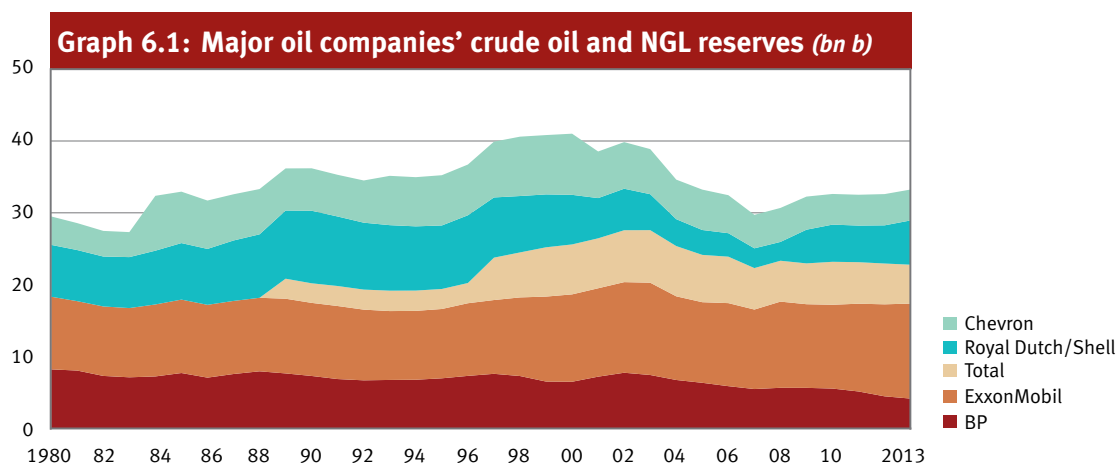
Capital and exploratory expenditure of the major oil companies (*m \$*)

	2009	2010	2011	2012	2013
BP	20,309	23,016	31,959	25,204	36,612
Upstream	14,896	17,753	25,821	18,520	19,115
Downstream	4,114	4,029	4,285	5,249	4,506
Other business and corporate	1,299	1,234	1,853	1,435	1,050
ExxonMobil	27,092	32,226	36,766	39,799	42,489
Upstream	20,704	27,319	33,091	36,084	38,231
Downstream	6,344	4,720	3,570	3,680	4,245
Other business and corporate	44	187	105	35	13
Total	18,619	21,573	34,161	29,477	34,427
Upstream	13,746	17,510	28,762	25,205	29,744
Downstream	4,745	3,956	5,212	4,169	4,521
Other business and corporate	128	107	188	103	162
Royal Dutch/Shell	26,516	26,940	26,301	32,576	40,145
Upstream	20,264	22,323	20,681	27,930	34,633
Downstream	5,979	4,523	5,479	4,433	5,302
Other business and corporate	273	94	141	213	210
Chevron	22,237	21,755	29,066	34,229	41,877
Upstream	18,296	18,904	25,872	30,444	37,858
Downstream	3,536	2,552	2,611	3,172	3,175
Other business and corporate	405	299	583	613	844
Total majors	114,773	125,510	158,253	161,285	195,550
Upstream	87,906	103,809	134,227	138,183	159,581
Downstream	24,718	19,780	21,157	20,703	21,749
Other business and corporate	2,149	1,921	2,870	2,399	2,279

Notes:

Upstream: Exploration and production.

Downstream: Refining, marketing, transportation, chemicals and other.



General notes

Definitions

Proven crude oil reserves: the estimated quantities of all liquids statistically defined as crude oil. They consist of those quantities of crude oil which by analysis of geoscience and engineering data can be estimated with reasonable certainty to be commercially recoverable, from a given date forward, from known reservoirs and under defined economic conditions, operating methods and government regulations (*source: SPE — Petroleum Resources Management System*).

Proven natural gas reserves: are the estimated quantities of all hydrocarbons statistically defined as natural gas. They consist of those quantities of natural gas (associated and non-associated) which by analysis of geoscience and engineering data can be estimated with reasonable certainty to be commercially recoverable, from a given date forward, from known reservoirs and under defined economic conditions, operation methods and government regulations (*source: SPE — Petroleum Resources Management System*).

Rig: a derrick complete with engine-house and other equipment necessary for drilling oil and gas wells.

Well (exploratory and development): a hole drilled for the purpose of finding or producing crude oil or natural gas, or providing services related to the production of crude oil and natural gas.

Oil or gas well: a well completed for the production of oil or gas from one or more zones or reservoirs.

Completion: the installation of permanent equipment for the production of oil or gas.

Dry hole: a well found to be incapable of producing either oil or gas in sufficient quantities to justify completion as an oil or gas well.

Crude oil: a mixture of hydrocarbons that exist in a liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. For statistical purposes, volumes reported as crude oil include:

- liquids technically defined as crude oil;
- small amounts of hydrocarbons that exist in the gaseous phase in natural underground reservoirs, but which are liquid at atmospheric pressure after being recovered from oil well (casing head) gas in lease separators;
- small amounts of non-hydrocarbons produced with the oil;
- very heavy and extra-heavy crude oils with viscosity less than 10,000 mPa.s (centipoises) at original reservoir conditions.

Natural gas liquids (NGLs): those reservoir gases liquefied at the surface in lease separators, field facilities or gas processing plants. NGLs consist of field condensates and natural gas plant products such as ethane, pentane, propane, butane and natural gasoline.

Natural gas: a mixture of hydrocarbon compounds and small quantities of various non-hydrocarbons existing in the gaseous phase or in solution with oil in natural underground reservoirs at reservoir conditions. The natural gas volumes refer to Standard Conditions of 60° F, 14.73 psia (15.6° C, 760 mm/Hg).

Gross production: the total flow of natural gas from oil and gas reservoirs of associated-dissolved and non-associated gas.

Marketed production: corresponds to gross production, minus the volumes of gas flared or re-injected into fields, minus the shrinkage.

Re-injection: the total volume of natural gas produced from oil and gas completions, processed through gas-processing plants and field facilities, and used for gas lift, gas injection and cycling operations.

Shrinkage: volume shrinkage due to purification and/or extraction of natural gas liquids, gas used as input to GTL plants, lease separators and plant own consumption and any other losses caused by spillage, evaporation, etc.

Refinery capacity (operable): the maximum amount of input to crude oil distillation units that can be processed in an average 24-hour period.

Barrels per calendar day (b/cd): the total number of barrels processed in a refinery within 24 hours, reflecting all operational limitations, eg routine inspections, maintenance, repairs etc.

Barrels per stream day (b/sd): the number of barrels of input that a refining facility can process within 24 hours, operating at full capacity under optimal crude and product slate conditions.

Petroleum products: products obtained from the processing of crude oil, unfinished oils, NGLs and other hydrocarbon compounds. These include aviation gasoline, motor gasoline, naphtha, kerosene, jet fuel, distillate fuel oil, residual fuel oil, liquefied petroleum gas, lubricants, paraffin wax, petroleum coke, asphalt and other products.

Gasoline: a mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in internal combustion engines; includes gasoline used in aviation.

Kerosene: medium hydrocarbon distillates in the 150° to 280° C distillation range and used as a heating fuel as well as for certain types of internal combustion engines; includes jet fuel, which is a fuel of naphtha or of kerosene type, suitable for commercial or military purposes in aircraft turbine engines.

Distillates: middle distillate type of hydrocarbons; includes products similar to number one and number two heating oils and diesel fuels. These products are used for space heating, diesel engine fuel and electrical power generation.

Residual fuel oil: fuels obtained as liquid still bottoms from the distillation of crude used alone or in blends with heavy liquids from other refinery process operations. These are used for the generation of electric power, space heating, vessel bunkering and various industrial purposes.

Output of petroleum products: the total amount of petroleum products produced from refinery input in a given period, excluding refinery fuels.

Oil demand: inland delivery, including refinery fuels and losses, as well as products from gas plants; including international air and marine bunkers as well as direct crude burning.

Exports of Petroleum products: includes products from gas plants and excludes bunkers.

OPEC Basket: the OPEC Reference Basket (ORB) price was introduced on January 1, 1987. Up to June 15, 2005, it was the arithmetic average of seven selected crudes. These were: Saharan Blend (Algeria); Minas (Indonesia); Bonny Light (Nigeria); Arab Light (Saudi Arabia); Dubai (United Arab Emirates); Tia Juana Light (Venezuela); and Isthmus (Mexico). Mexico is not a Member of OPEC. As of June 16, 2005, the ORB is calculated as a production-weighted average of the OPEC Basket of crudes. These are: Saharan Blend (Algeria); Girassol (Angola — as of January 2007); Oriente (Ecuador — as of October 19, 2007); Iran Heavy (IR Iran); Basrah Light (Iraq); Kuwait Export (Kuwait); Es Sider (Libya); Bonny Light (Nigeria); Qatar Marine (Qatar); Arab Light (Saudi Arabia); Murban (United Arab Emirates); and Merey (Venezuela).

Posted price: announced price reflecting the market development of crude oil and products.

Composite barrel: a consumption weighted average of retail prices (including taxes) of the main groups of refined petroleum products.

Geneva I agreement: agreement of January 1972 between some OPEC Member Countries and the major international oil companies, which had the effect of establishing an index for quarterly adjustments of posted crude oil prices on the basis of the arithmetic average of the deviations of the exchange rates of nine major currencies against the US dollar. This was modified to an import-weighted index in 1978, accounting for exchange rates and inflation rate. The present 'modified Geneva I + US dollar' currency basket includes the US dollar, the Euro, the Japanese yen, the UK pound and the Swiss franc.

Country groupings

(OPEC Member Countries are shown in bold)

North America: Canada, Greenland, St Pierre and Miquelon, United States.

Latin America: Antigua, Argentina, Bahamas, Barbados, Belize, Bermuda, Bolivia, Brazil, British Virgin Islands, Cayman Islands, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, **Ecuador**, El Salvador, Falkland Islands (Malvinas), French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Montserrat, Netherlands Antilles, Nicaragua, Panama (including Panama Canal Zone), Paraguay, Peru, Puerto Rico, St Kitts-Nevis-Anguilla, St Lucia, St Vincent, Suriname, Trinidad & Tobago, Turks and Caicos Islands, United States Virgin Islands, Uruguay and **Venezuela**.

Eastern Europe and Eurasia: Albania, Armenia, Azerbaijan, Belarus, Bulgaria, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Poland, Romania, Russia, Slovakia, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

Western Europe: Austria, Belgium (including Luxembourg), Cyprus, Denmark (including Faroe Islands), Finland, France (including Andorra and Monaco), Germany, Gibraltar, Greece, Iceland, Ireland, Italy (including San Marino and the Holy See), Malta, Netherlands, Norway (including Svalbard and Jan Mayen Islands), Portugal, Spain (including Canary Islands), Sweden, Switzerland (including Liechtenstein), Turkey, United Kingdom, Bosnia and Herzegovina, Croatia, Macedonia, Serbia and Montenegro and Slovenia.

Middle East: Bahrain, **Islamic Republic of Iran**, **Iraq**, Jordan, **Kuwait**, Lebanon, Oman, **Qatar**, **Saudi Arabia**, Syrian Arab Republic, **United Arab Emirates (UAE)** (Abu Dhabi, Ajman, Dubai, Fujairah, Ras al-Khaimah, Sharjah, Umm al-Qaiwain), Yemen and other Middle East.

Africa: **Algeria**, **Angola**, Benin, Botswana, British Indian Ocean Territory, Burkina Faso, Burundi, Cameroon (United Republic of), Cape Verde, Central African Republic, Chad, Comoros, Congo (Republic of the), Congo (Democratic Republic of the), Djibouti, Egypt, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia (The), Ghana, Guinea, Guinea-Bissau, Côte d'Ivoire, Kenya, Lesotho, Liberia, **Libya**, Madagascar, Malawi, Mali, Mauritania, Mauritius, Morocco, Mozambique, Namibia, Niger, **Nigeria**, Reunion, Rwanda, St Helena, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudans (including South Sudan and Sudan), Swaziland, Tanzania, Togo, Tunisia, Uganda, Western Sahara, Zambia and Zimbabwe.

Asia and Pacific: Afghanistan, American Samoa, Antarctica, Australia, Bangladesh, Bhutan, Brunei, Cambodia, Canton and Enderbury Islands, China, China Hong Kong Special Administrative Region (SAR), China Macau SAR, Chinese Taipei, Christmas Island, Cocos (Keeling) Islands, Cook Islands, Fiji, French Polynesia, Guam, India, Indonesia, Japan, Johnston Island, Kiribati, Korea (Democratic People's Republic of), Korea (Republic of), Lao People's Democratic Republic, Malaysia, Maldives, Midway Islands, Mongolia, Myanmar, Nauru,

Nepal, New Caledonia, New Zealand, Niue, Norfolk Island, Pacific Islands (Trust Territory), Pakistan, Papua New Guinea, Philippines, Pitcairn Island, Samoa, Singapore, Solomon Islands, Sri Lanka, Thailand, Tokelau, Tonga, Tuvalu, Vanuatu, Vietnam, Wake Island, Wallis and Futuna Islands.

Economic organizations

Organization of the Petroleum Exporting Countries (OPEC) — Members: Algeria (1969), Angola (2007), Ecuador (rejoined 2007), the Islamic Republic of Iran (1960), Iraq (1960), Kuwait (1960), Libya (1962), Nigeria (1971), Qatar (1961), Saudi Arabia (1960), United Arab Emirates (1967) and Venezuela (1960).

Organization for Economic Co-operation and Development (OECD) — Members: Australia, Austria, Belgium, Canada, Chile, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Korea, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom, USA and other OECD.

Former Soviet Union (FSU): Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine and Uzbekistan.

Abbreviations

Symbols:

- na Not available
- nap Not applicable
- Nil or negligible
- * Provisional or estimated figures by mid-June 2014.

Currencies:

\$	US dollar	IR	Iranian rial	QRL	Qatari riyal
€	Euro	ID	Iraqi dinar	SRL	Saudi Arabian riyal
AD	Algerian dinar	KD	Kuwaiti dinar	AED	UAE dirham
AON	Angolan New Kwanza	LD	Libyan dinar	B	Venezuelan bolivar fuerte
US\$	Ecuador	N	Nigerian naira		

Miscellaneous:

b	barrel(s)	cu m	cubic metres	LPG	liquefied petroleum gas
b/d	barrels per day	dwt	deadweight tonnage	m b	million barrels
b/cd	barrels per calendar day	fob	free on board	NOC	national oil company
b/sd	barrels per stream day	ft	feet	ORB	OPEC Reference Basket
bn b	billion barrels	GDP	gross domestic product	t	tonne
cif	cost, insurance and freight	LNG	liquefied natural gas		

Rounding: In all tables totals may not add up due to independent rounding.

Oil companies

ADCO	Abu Dhabi Company for Onshore Oil Operations
ADMA	Abu Dhabi Marine Areas
ADMA-OPCO	Abu Dhabi Marine Operating Company
ADNOC	Abu Dhabi National Oil Company
ADOC	Abu Dhabi Oil Company
Agip	Agip SpA
Agoco	Arabian Gulf Oil Company (Libya)
Amerada Hess	Amerada Hess Corporation
AOC	Arabian Oil Company
Aquitaine	Societe Nationale des Petroles d'Aquitaine
Aramco	Saudi Arabian Oil Company (Saudi Aramco)
Arco	Atlantic Richfield Company
Asamera	Asamera Oil
Ashland	Ashland Oil
BP	BP plc
Braspetro	Petrobras Internacional SA
Brega Marketing	Brega Petroleum Marketing Company
Buttes	Buttes Gas & Oil Company

Calasiatic	Calasiatic Petroleum Company
PT Caltex	PT Caltex Pacific Indonesia
ChevronTexaco	ChevronTexaco Corporation
Conoco	Continental Oil Company
Corpoven	Corpoven SA
DPC	Dubai Petroleum Company
EGPC	Egyptian General Petroleum Corporation
ExxonMobil	ExxonMobil Corporation
GASCO	Abu Dhabi Onshore Gas Company
Getty	Getty Oil Corporation
Gulf	Gulf Oil Corporation
Hispanoil	Hispanica de Petroleos SA
INOC	Iraq National Oil Company
Inpex	Indonesia Petroleum Ltd
JORC	Jeddah Oil Refinery Company
KRPC	Kaduna Refinery & Petrochemical Company
KNPC	Kuwait National Petroleum Company KSC
KOC	Kuwait Oil Company KSC
Lagoven	Lagoven SA
Maraven	Maraven SA
Maxus	Maxus Energy Corporation
Mobil	Mobil Oil Corporation
NIGC	National Iranian Gas Company
NIOC	National Iranian Oil Company
NNPC	Nigerian National Petroleum Corporation
NOC	National Oil Corporation (Libya)
NODCO	National Oil Distribution Company (Qatar)
NPHR	New Port Harcourt Refinery
Oasis	Oasis Oil Company of the Libya, Inc
Occidental	Occidental Petroleum Corporation
OMV	OMV Aktiengesellschaft
PDVSA	Petroleos de Venezuela SA
Pertamina	Perusahaan Pertambangan Minyak Dan Gas Bumi Negara
Petroecuador	National oil company of Ecuador
Petroindustrial	Refinery operations company of Ecuador
Petromer Trend	Petromer Trend Corporation
Petromin	General Petroleum and Mineral Organization of Saudi Arabia
Petroproduccion	Exploration and production oil company of Ecuador
Phillips	Phillips Petroleum Company
PPMC	Pipeline and Products Marketing Company (Nigeria)
QGPC	Qatar General Petroleum Corporation (now Qatar Petroleum)
Royal Dutch/Shell	Royal Dutch Petroleum Company, The Netherlands, and Shell Transport and Trading Co, UK
Sonangol	Sociedade Nacional de Combustíveis de Angola
Sonatrach	Société Nationale de Transport et de Commercialisation des Hydrocarbures
Stancal	Standard Oil Company of California
PT Stanvac	PT Stanvac Indonesia
Tenneco	Tenneco Incorporated
Tesoro	Tesoro Indonesia Petroleum Corporation
Topco	Texas Overseas Petroleum Company
Total	Total
Union Oil	Union Oil Company of California
VOO	Veba Oil Operations (Libya)
Waha Oil	Waha Oil Company (Libya)
Wintershall	Wintershall AG
WRPC	Warri Refinery & Petrochemical Company
Zadco	Zakum Development Company
ZOC	Zueitina Oil Company (Libya)

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 World Oil
 World Petroleum Trends

Conversion factors

Crude oil

Standard factors	Metric tonne	Long ton	Barrels	Cubic metres (<i>kilolitres</i>)
Metric tonne	1	0.984	7.33	1.165
Long ton	1.016	1	7.45	1.128
Barrels	0.136	0.134	1	0.159
Cubic metres (<i>kilolitres</i>)	0.858	0.887	6.289	1

By country (b/tonne)

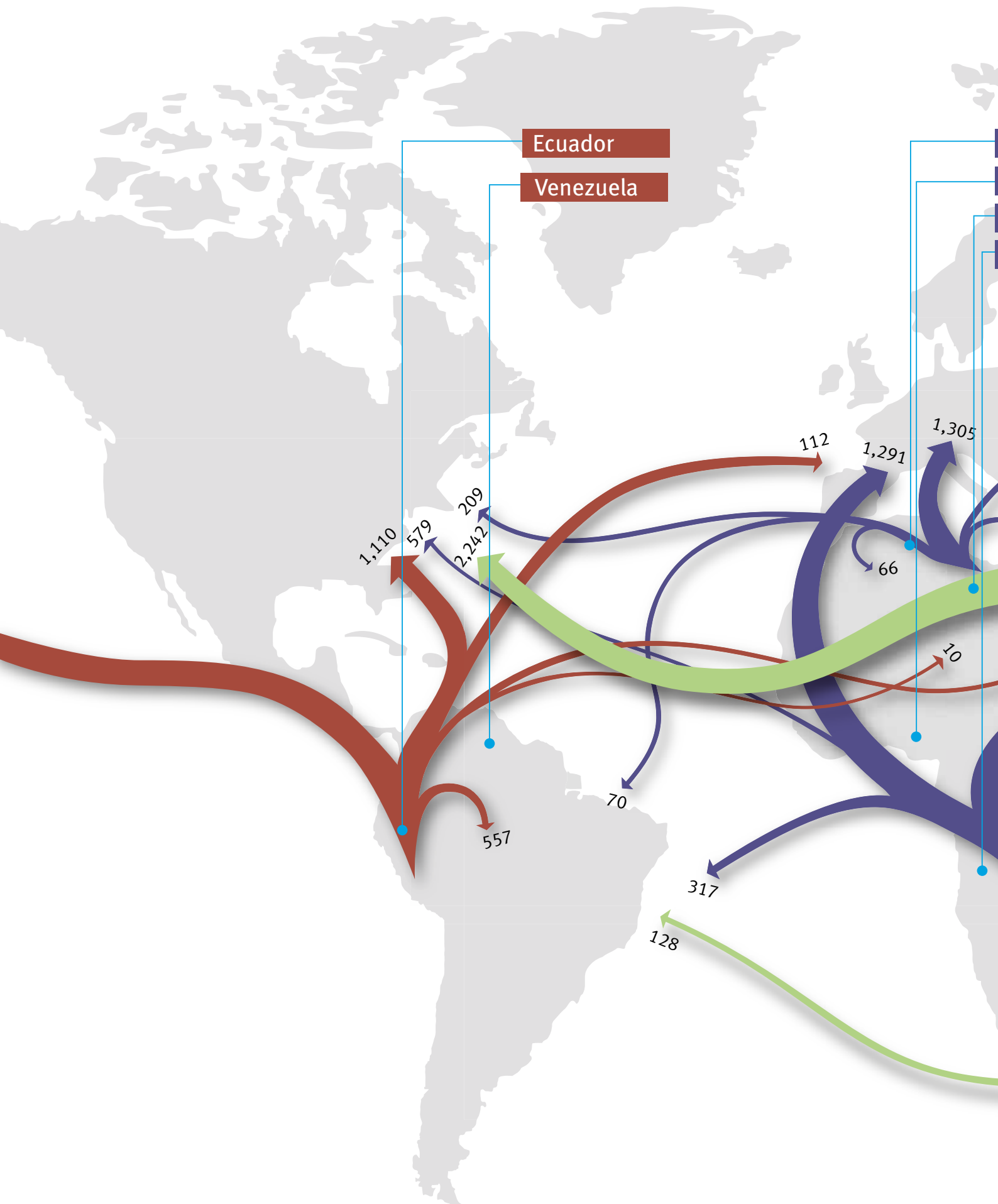
Algeria	8.06677
Angola	7.31017
Ecuador	7.02728
IR Iran	7.40156
Iraq	7.39482
Kuwait	7.21000
Libya	7.67078
Nigeria	7.42038
Qatar	7.15292
Saudi Arabia	7.34446
United Arab Emirates	7.58250
Venezuela	6.79135
OPEC	7.34591

Petroleum products (*b/tonne*)

Gasoline	8.4998
Kerosene	7.7652
Distillates	7.2296
Residuals	6.6208

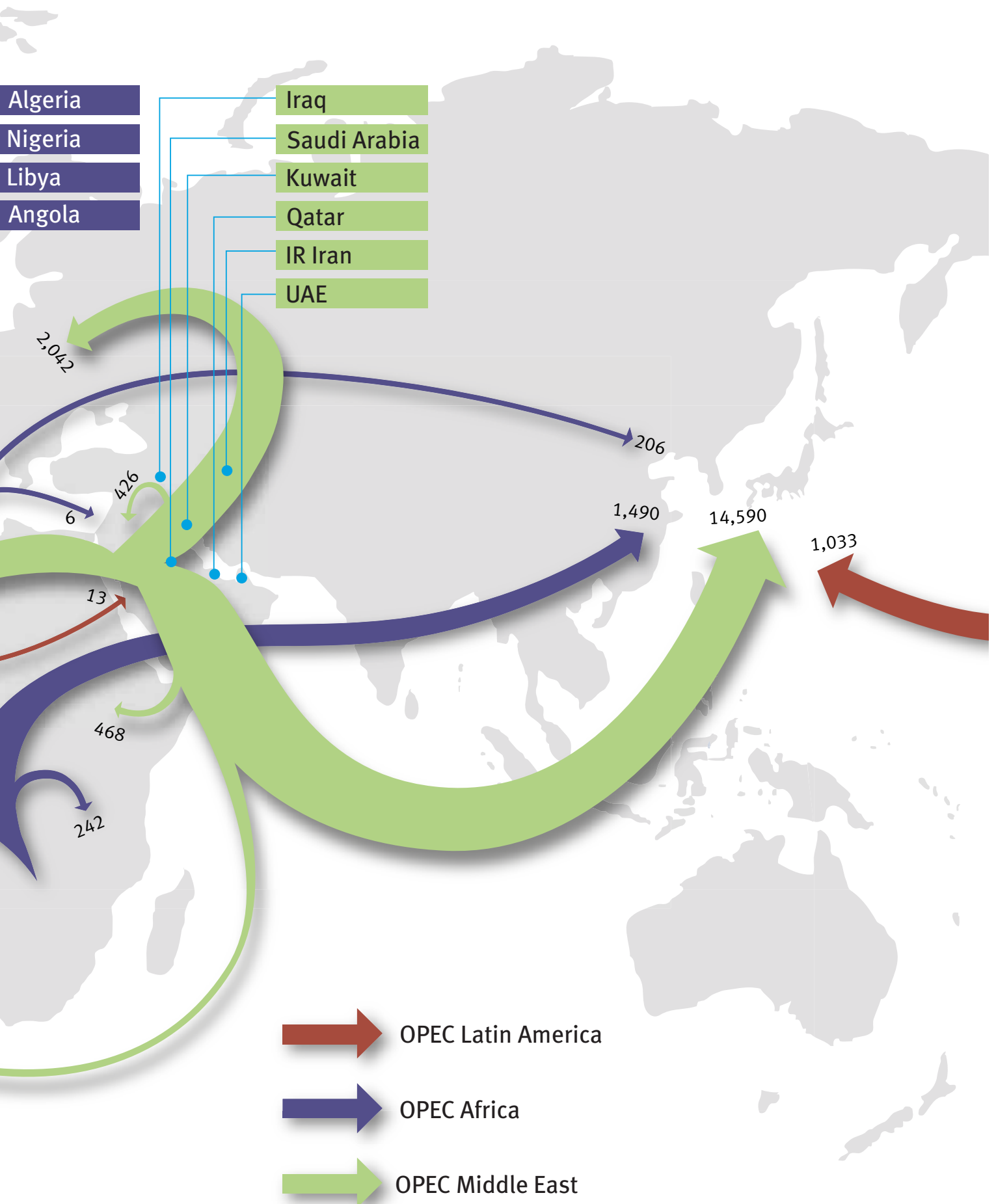


Major OPEC flows of crude and refined oil (1,000 b/d)



Notes: Totals may not add up due to independent rounding.

2013





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