



Annual Statistical Bulletin

**2010/2011
Edition**



OPEC

Organization of the Petroleum Exporting Countries



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Foreword	5
T a b l e s	Page
Section 1: Summary	
Table 1.1 OPEC crude oil production allocations	8
1.2 OPEC Members' facts and figures	11
Section 2: Macro-economics	13
Table 2.1 OPEC Members' mid-year population	14
2.2 OPEC Members' GDP at current market prices	15
2.3 OPEC Members' values of exports	16
2.4 OPEC Members' values of petroleum exports	17
2.5 OPEC Members' values of imports	18
2.6 Estimated current account balances in OPEC Members	19
2.7 Annual average exchange rates for OPEC Members	20
Section 3: Oil and gas data	21
Table 3.1 World proven crude oil reserves by country	22
3.2 World proven natural gas reserves by country	23
3.3 Active rigs in OPEC Members and in world	25
3.4 Wells completed in OPEC Members	26
3.5 Producing wells in OPEC Members	27
3.6 Daily and cumulative crude oil production in OPEC Members	28
3.7 World crude oil production by country	30
3.8 Natural gas production in OPEC Members	31
3.9 World marketed production of natural gas by country	33
3.10 Refinery capacity in OPEC Members by type and location	36
3.11 World refinery capacity by country	38
3.12 Charge refinery capacity in OPEC Members	39
3.13 Output of petroleum products by type in OPEC Members	40
3.14 World output of petroleum products by country	42
3.15 Consumption of petroleum products by type in OPEC Members	44
3.16 World consumption of petroleum products by country	46
3.17 OPEC Members' crude oil exports by destination	47
3.18 World crude oil exports by country	49
3.19 OPEC Members' petroleum products exports by destination	53
3.20 World exports of petroleum products by country	54
3.21 World exports of crude oil and petroleum products by country	55
3.22 World natural gas exports by country	56
3.23 World imports of crude oil by country	57
3.24 World imports of petroleum products by country	59
3.25 World imports of natural gas by country	60
Section 4: Transportation	63
Table 4.1 Tanker fleet development in OPEC Members	64
4.2 World tanker fleet by age	64
4.3 World liquid gas carrier fleet by size and type	66
4.4 Liquid gas carrier fleet in OPEC Members	66
4.5 World combined carrier fleet by size	67
4.6 Average spot freight rates for all routes	68
4.7 Freight costs in the spot market	69
4.8 Spot tanker freight rates for all sizes	70
4.9 Crude oil pipelines in OPEC Members	71
4.10 Gas pipelines in OPEC Members	75
4.11 Petroleum product pipelines in OPEC Members	78

Section 5: Prices	81
5.1 Spot OPEC Reference Basket prices	82
5.2 Spot crude oil prices	83
5.3 Crude oil prices in nominal and real terms	87
5.4 Spot prices of petroleum products in major markets	88
5.5 Retail prices of petroleum products in OPEC Members (<i>national currency/b</i>)	89
5.6 Retail prices of petroleum products in OPEC Members (<i>\$/b</i>)	90
5.7 Composite barrel and its components in major consuming countries	91

Section 6: Major oil companies	93
6.1 Principal operations of the major oil companies	94
6.2 Revenues, operating costs, deductions, taxation and net income of the major oil companies	95
6.3 Costs, deductions, taxation and net income as percentage of revenues of the major oil companies	96
6.4 Capital and exploratory expenditure of the major oil companies	97

Graphs

Section 2: Macro-economics	
Graph 2.1: OPEC Members' mid-year population	14
Graph 2.2: Population as share of total OPEC	14
Graph 2.3: OPEC Members' GDP at current market prices	15
Graph 2.4: GDP at current market prices as a share of total OPEC	15
Graph 2.5: OPEC Members' values of exports	16
Graph 2.6: Values of exports as a share of total OPEC	16
Graph 2.7: OPEC Members' values of petroleum exports	17
Graph 2.8: Values of petroleum exports as a share of total OPEC	17
Graph 2.9: OPEC Members' values of imports	18
Graph 2.10: Values of imports as a share of total OPEC	18
Graph 2.11: Estimated current account balances in total OPEC	19
Graph 2.12: Estimated current account balances in OPEC Members	19

Section 3: Oil and gas data	
Graph 3.1: World proven crude oil reserves	24
Graph 3.2: World proven natural gas reserves	24
Graph 3.3: OPEC Members' proven crude oil reserves	24
Graph 3.4: OPEC Members' proven natural gas reserves	24
Graph 3.5: World crude oil production	35
Graph 3.6: World marketed production of natural gas	35
Graph 3.7: OPEC Members' crude oil production	35
Graph 3.8: OPEC Members' marketed production of natural gas	35
Graph 3.9: World refinery capacity	43
Graph 3.10: World output of petroleum products	43
Graph 3.11: OPEC output of petroleum products	43
Graph 3.12: OPEC Members' crude oil exports by destination	48
Graph 3.13: World crude oil exports by destination	50
Graph 3.14: World consumption of petroleum products	51
Graph 3.15: World crude oil exports	51
Graph 3.16: OPEC Members' consumption of petroleum products	51
Graph 3.17: OPEC Members' crude oil exports	51
Graph 3.18: OPEC Members' petroleum products by destination	52
Graph 3.19: Percentage share of OPEC crude oil exports	58
Graph 3.20: OPEC oil export revenues vs total exports	58
Graph 3.21: OPEC Members' exports of crude and petroleum products	58
Graph 3.22: OPEC Members' exports of petroleum products	58

Section 4: Transportation		
Graph 4.1:	World tanker fleet by age and categories	65
Graph 4.2:	World tanker fleet by age and categories	65
Graph 4.3:	Spot freight rates for AFRA sizes	68
Graph 4.4:	Spot freight rates costs for major routes	69
Graph 4.5:	Spot tanker freight rates	70
Graph 4.6:	Spot tanker freight costs	70
Section 5: Prices		
Graph 5.1:	OPEC Reference Basket	82
Graph 5.2:	Differentials of selected spot crude oil prices to OPEC Reference Basket	83
Graph 5.3:	Differentials of selected spot crude oil prices to OPEC Reference Basket	84
Graph 5.4:	Differentials of selected spot crude oil prices to OPEC Reference Basket	85
Graph 5.5:	Differentials of selected spot crude oil prices to OPEC Reference Basket	86
Graph 5.6:	Crude oil prices in nominal and real terms: base 1973=100	87
Graph 5.7:	Spot petroleum product prices — US Gulf	88
Graph 5.8:	Spot petroleum product prices — Singapore	88
Graph 5.9:	Spot petroleum product prices — Rotterdam	88
Graph 5.10:	Composite barrel and its components	92
Section 6: Major oil companies		
Graph 6.1:	Major oil companies' revenues	98
Graph 6.2:	Major oil companies' net income	98
Graph 6.3:	Major oil companies' crude oil and NGL reserves	98
Graph 6.4:	Major oil companies' crude oil and NGL production	98
General notes		
	Definitions	100
	Country groupings	101
	Economic organizations	102
	Abbreviations	102
	Oil companies	102
	Sources	103
	Conversion factors	104
Map	Major OPEC flows of crude and refined oil	inside back cover



HE Abdalla Salem El-Badri, OPEC Secretary General

I am delighted to present the 46th edition of what has become one of OPEC's most established publications — the *Annual Statistical Bulletin (ASB)*. Since its first publication in 1965, the ASB has become a valuable source of data for the oil industry.

The aim of the ASB is to provide accurate, reliable and timely historical annual data on the oil and gas industry. Our commitment — to provide a wide range of detailed and well-researched statistical data — is evident yet again in this latest edition and, as in the past, we are confident that you will find this publication both useful and informative.

The focus of the ASB is naturally 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. It also includes information on the global petroleum industry in general, with data on regional imports and exports, oil and gas pipelines, and upstream and downstream activities.

Since its founding in September 1960, OPEC has strived to gather and collect data related to all aspects of the oil industry — from exploration and production, to the transportation of oil and gas supplies. This has played an increasingly important role in the stabilization of the world oil market by ensuring greater transparency. It is precisely because of this that we have continued to publish the ASB. It emphasizes our commitment to openness as a key element of oil market stability.

For the convenience of end-users, this year's ASB is available in five different formats: namely, the book edition and the CD-ROM version (which is attached to the inside front cover), an electronic PDF file (which you can download from the OPEC Website, www.opec.org), an interactive electronic form (also available on the OPEC Website) and through our in-house Intranet.

As part of our mission to continuously enhance the content and packaging of the ASB, and in order to correspond with the dating method of other OPEC publications, this year's ASB is named the ASB 2010/2011 Edition (in subsequent years, the year in the ASB's title will be the year of the ASB's release).

The ASB 2010/2011 Edition has been prepared over the course of many months and with the help of many people in Member Countries and at the OPEC Secretariat. Since this publication would not have been possible without their valuable input, I would like to acknowledge and thank them for their hard work and commitment.

Abdalla Salem El-Badri
Secretary General

Section 1 Summary



Table 1.1**S u m m a r y****OPEC 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	Jul 89– Sep 89
	1/	2/	3/	4/	5/	6/	7/	8/	9/	10/	11/
Algeria	650	725	663	663	669	669	635	667	667	695	733
Ecuador	200	200	183	183	221	221	210	221	221	230	242
IR Iran	1,200	2,400	2,300	2,300	2,317	2,317	2,255	2,369	2,369	2,640	2,783
Iraq	1,200	1,200	1,200	1,200	–	–	1,466	1,540	–	2,640	2,783
Kuwait	800	1,050	900	900	921	999	948	996	996	1,037	1,093
Libya	750	1,100	990	990	999	999	948	996	996	1,037	1,093
Nigeria	1,300	1,300	1,300	1,300	1,304	1,304	1,238	1,301	1,301	1,355	1,428
Qatar	300	300	280	280	300	300	285	299	299	312	329
Saudi Arabia	7,150	5,000	4,353	4,353	4,353	4,353	4,133	4,343	4,343	4,524	4,769
United Arab Emirates	1,000	1,100	950	950	950	950	902	948	948	988	1,041
Venezuela	1,500	1,675	1,555	1,555	1,574	1,574	1,495	1,571	1,571	1,636	1,724
OPEC	16,050	16,050	14,674	14,674			14,515	15,251		17,094	18,018
OPEC excl Iraq					13,608	13,686			13,711		

	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	Oct 93– Jun 96	Jul 96– Dec 97
	12/	13/	14/	15/	16/	17/	18/	19/	20/	21/	22/
Algeria	771	827	827	827	na	760	na	764	732	750	750
Ecuador	254	273	273	273	na	273	na	–	–	–	–
IR Iran	2,926	3,140	3,140	3,217	na	3,184	na	3,490	3,340	3,600	3,600
Iraq	2,926	3,140	3,140	–	na	505	na	500	400	400	1,200
Kuwait	1,149	1,500	1,500	–	na	812	na	1,500	1,600	2,000	2,000
Libya	1,149	1,233	1,233	1,425	na	1,395	na	1,409	1,350	1,390	1,390
Nigeria	1,501	1,611	1,611	1,840	na	1,751	na	1,857	1,780	1,865	1,865
Qatar	346	371	371	399	na	377	na	380	364	378	378
Saudi Arabia	5,014	5,380	5,380	8,034	na	7,887	na	8,395	8,000	8,000	8,000
United Arab Emirates	1,094	1,095	1,500	2,320	na	2,244	na	2,260	2,161	2,161	2,161
Venezuela	1,812	1,945	1,945	2,235	na	2,147	na	2,360	2,257	2,359	2,359
OPEC	18,942	20,515	20,920	20,570*	23,650*	21,335	24,200*	22,915	21,984	22,903	23,703

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.

* Includes Indonesia and Gabon.

na No distribution made.

** Includes Indonesia.

OPEC excluding Kuwait and Iraq.

OPEC excluding IR Iran and Iraq.

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.

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

	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	Apr 01– Aug 01
	23/	24/	25/	26/	27/	28/	29/	30/	31/	32/
Algeria	909	50	788	731	788	811	837	853	805	773
IR Iran	3,942	140	3,318	3,359	–	3,727	3,844	3,917	3,698	3,552
Iraq	1,314	–	–	–	–	–	–	–	–	–
Kuwait	2,190	125	1,980	1,836	1,980	2,037	2,101	2,141	2,021	1,941
Libya	1,522	80	1,323	1,227	1,323	1,361	1,404	1,431	1,350	1,296
Nigeria	2,042	125	2,033	1,885	2,033	2,091	2,157	2,198	2,075	1,993
Qatar	414	30	640	593	640	658	679	692	653	627
Saudi Arabia	8,761	300	8,023	7,438	8,023	8,253	8,512	8,674	8,189	7,865
United Arab Emirates	2,366	125	2,157	2,000	2,157	2,219	2,289	2,333	2,201	2,113
Venezuela	2,583	200	2,845	2,720	2,845	2,926	3,019	3,077	2,902	2,786
OPEC	26,044									
OPEC excl Iraq		1,175	23,107	21,789	19,789##	24,083	24,841	25,315	23,894	22,946
Target		24,432								

	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
	33/	34/	35/	36/	37/	38/	39/	40/	41/	42/
Algeria	741	693	735	782	811	782	750	814	830	862
IR Iran	3,406	3,186	3,377	3,597	3,729	3,597	3,450	3,744	3,817	3,964
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	1,861	1,741	1,845	1,966	2,038	1,966	1,886	2,046	2,087	2,167
Libya	1,242	1,162	1,232	1,312	1,360	1,312	1,258	1,365	1,392	1,446
Nigeria	1,911	1,787	1,894	2,018	2,092	2,018	1,936	2,101	2,142	2,224
Qatar	601	562	596	635	658	635	609	661	674	700
Saudi Arabia	7,541	7,053	7,476	7,963	8,256	7,963	7,638	8,288	8,450	8,775
United Arab Emirates	2,025	1,894	2,007	2,138	2,217	2,138	2,051	2,225	2,269	2,356
Venezuela	2,670	2,497	2,647	2,819	2,923	2,819	2,704	2,934	2,992	3,107
OPEC excl Iraq	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 1.1

Summary

OPEC 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–
	43/	44/	45/	46/	47/	48/	49/	50/	51/
Algeria	878	894	59	25	na	na	na	71	na
Angola	–	–	–	–	–	na	na	99	na
Ecuador	–	–	–	–	–	na	na	27	na
IR Iran	4,037	4,110	176	73	na	na	na	199	na
Iraq	–	–	–	–	–	–	–	–	–
Kuwait	2,207	2,247	100	42	na	na	na	132	na
Libya	1,473	1,500	72	30	na	na	na	89	na
Nigeria	2,265	2,306	100	42	na	na	na	113	na
Qatar	713	726	35	15	na	na	na	43	na
Saudi Arabia	8,937	9,099	380	158	na	na	na	466	na
United Arab Emirates	2,400	2,444	101	42	na	na	na	134	na
Venezuela	3,165	3,223	138	57	na	na	na	129	na
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

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.

OPEC Members' facts and figures, 2010

	Algeria	Angola	Ecuador	IR Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Venezuela	OPEC
Population <i>million inhabitants</i>	36.30	19.05	14.31	75.35	32.44	3.57	6.56	159.64	1.70	26.11	4.74	28.95	408.71
Land area <i>1,000 sq km</i>	2,382	1,247	281	1,648	438	18	1,760	924	11	2,150	84	916	11,859
GDP per capita <i>dollars</i>	4,488	4,478	3,984	4,741	3,881	36,820	11,314	1,213	75,643	16,996	56,812	10,223	5,688
GDP at market prices <i>billion \$</i>	162.92	85.31	57.00	357.22	125.90	131.32	74.23	193.67	128.59	443.69	269.10	295.96	2,324.91
Value of exports <i>billion \$</i>	57.80	49.26	17.37	83.79	52.08	65.98	46.31	70.58	72.05	235.34	198.36	65.79	1,014.71
Value of imports <i>billion \$</i>	40.21	24.93	19.96	58.56	44.20	22.42	24.65	40.76	20.94	103.65	180.73	38.61	619.62
Current account balance <i>billion \$</i>	15.10	-1.50	-1.04	21.56	6.90	43.14	16.16	7.83	21.04	38.79	23.27	14.38	205.65
Value of petroleum exports <i>billion \$</i>	38.30	47.24	9.65	71.57	51.15	61.67	41.87	61.80	29.28	196.19	74.03	62.32	745.07
Proven crude oil reserves <i>billion barrels</i>	12.20	9.50	7.21	151.17	143.10	101.50	47.10	37.20	25.38	264.52	97.80	296.50	1,193.17
Natural gas reserves <i>billion cu m</i>	4,504	310	8	33,090	3,158	1,784	1,495	5,110	25,201	8,016	6,091	5,525	94,292
Crude oil production <i>1,000 b/d</i>	1,190	1,691	476	3,544	2,358	2,312	1,487	2,048	733	8,166	2,324	2,854	29,183
Natural gas marketed production <i>billion cu m</i>	83.90	0.73	0.33	187.36	1.30	11.73	16.81	28.10	96.34	87.66	51.28	19.73	585.27
Refinery capacity <i>1,000 b/cd</i>	652	39	188	1,741	800	936	380	445	80	2,109	466	982	8,819
Consumption of petroleum products <i>1,000 b/d</i>	338	110	220	1,775	566	260	299	259	116	1,436	238	675	6,292
Crude oil exports <i>1,000 b/d</i>	709	1,683	340	2,583	1,890	1,430	1,118	2,464	586	6,644	2,103	1,562	23,112
Exports of petroleum products <i>1,000 b/d</i>	314.1	7.5	28.1	370.6	5.0	631.6	48.3	23.1	321.6	950.9	187.9	751.1	3,639.8
Natural gas exports <i>billion cu m</i>	57.36	-	-	8.43	-	-	9.97	20.00	107.00	-	5.18	-	207.942
Exchange rate <i>national currency/\$</i>	74.4	91.9	1.0	10,254.2	1,170.0	0.3	1.3	150.3	3.6	3.8	3.7	2.6	

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

Section 2

Macro-economics



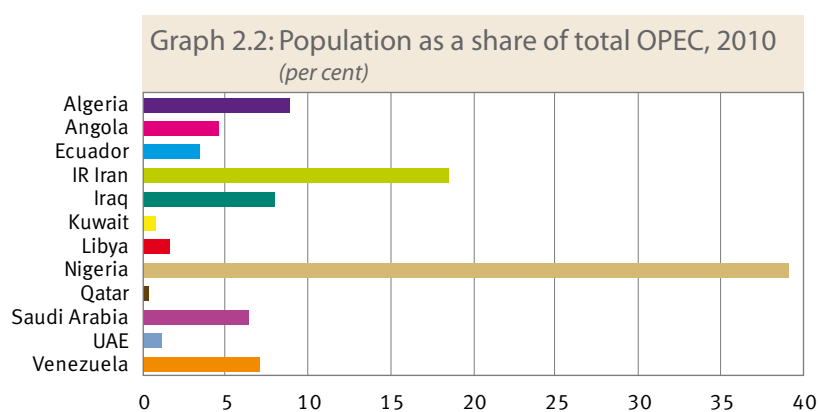
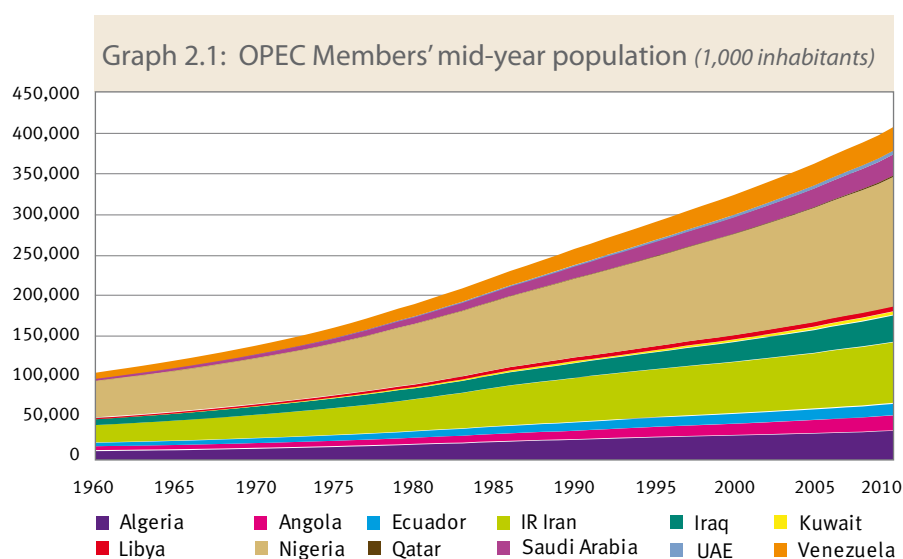
Table 2.1

Macro-economics

OPEC Members' mid-year population (1,000 inhabitants)

	2006	2007	2008	2009	2010
Algeria	33,481	34,096	34,591	35,628	36,300
Angola	17,089	17,555	18,021	18,498	19,053
Ecuador	13,408	13,605	13,805	14,005	14,307
IR Iran	70,473	71,662	72,871	74,100	75,350
Iraq	28,810	29,682	30,578	31,496	32,441
Kuwait	3,183	3,400	3,442	3,485	3,566
Libya	6,045	6,169	6,294	6,420	6,561
Nigeria	144,273	147,722	151,212	154,729	159,638
Qatar	1,042	1,226	1,448	1,639	1,700
Saudi Arabia	23,679	24,243	24,807	25,374	26,106
United Arab Emirates	4,233	4,364	4,485	4,599	4,737
Venezuela	27,031	27,483	27,935	28,384	28,951
OPEC	372,747	381,207	389,489	398,356	408,710

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.



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

	2006	2007	2008	2009	2010
Algeria	117,172	134,956	171,393	137,916	162,915
Angola	41,794	60,449	84,178	75,508	85,312
Ecuador	41,763	45,789	54,686	52,022	56,998
IR Iran	222,128	285,932	330,595	321,158	357,221
Iraq	64,805	86,125	129,339	118,579	125,899
Kuwait	101,531	114,587	148,893	109,463	131,315
Libya	56,479	71,605	88,888	60,239	74,232
Nigeria	144,301	181,581	204,917	166,516	193,666
Qatar	60,496	80,751	110,712	98,313	128,593
Saudi Arabia	356,155	384,686	476,305	375,766	443,691
United Arab Emirates	175,222	206,406	254,394	248,925	269,104
Venezuela	183,683	226,791	311,479	326,498	295,961
OPEC	1,565,530	1,879,658	2,365,778	2,090,903	2,324,908

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

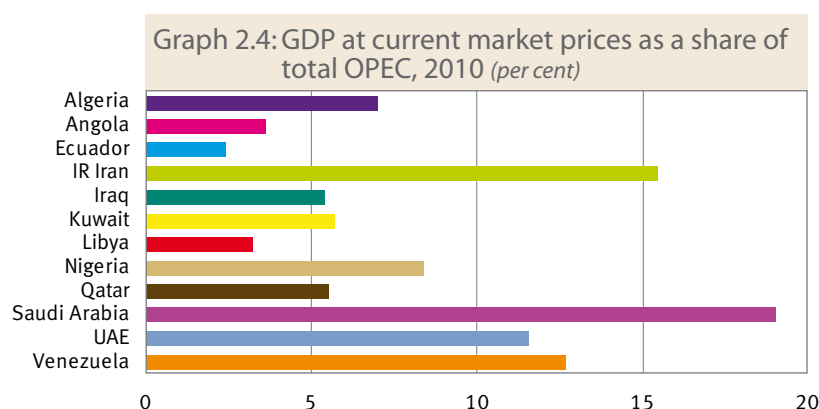
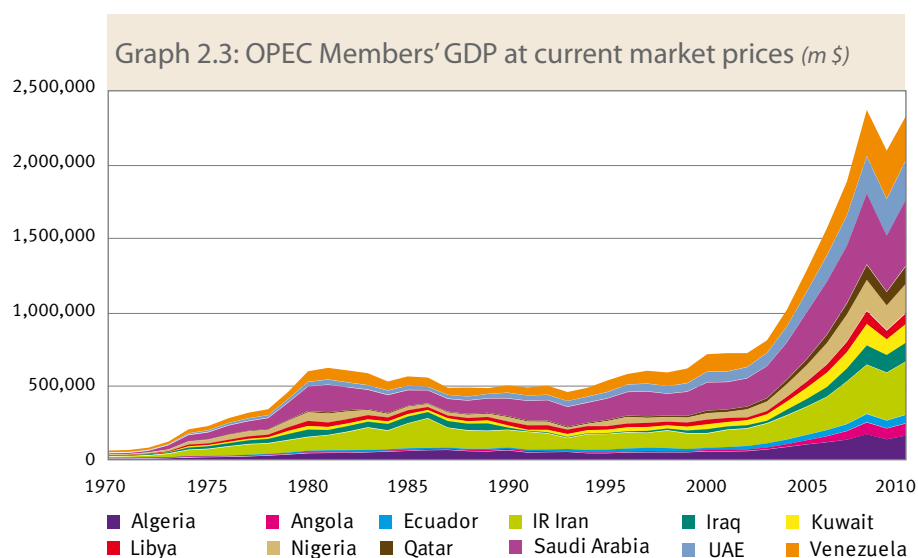


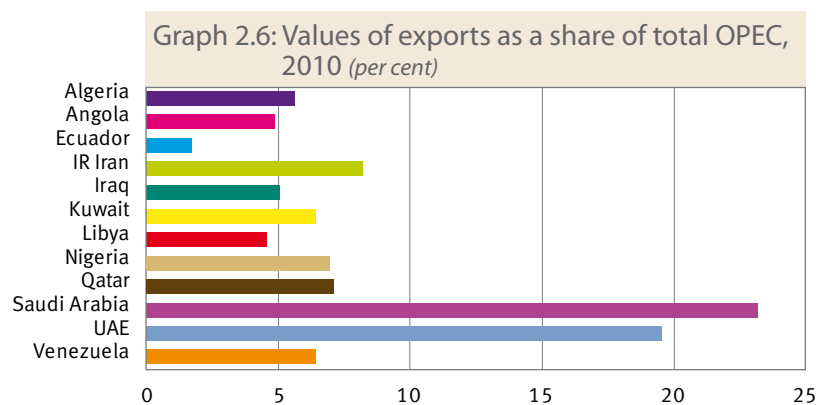
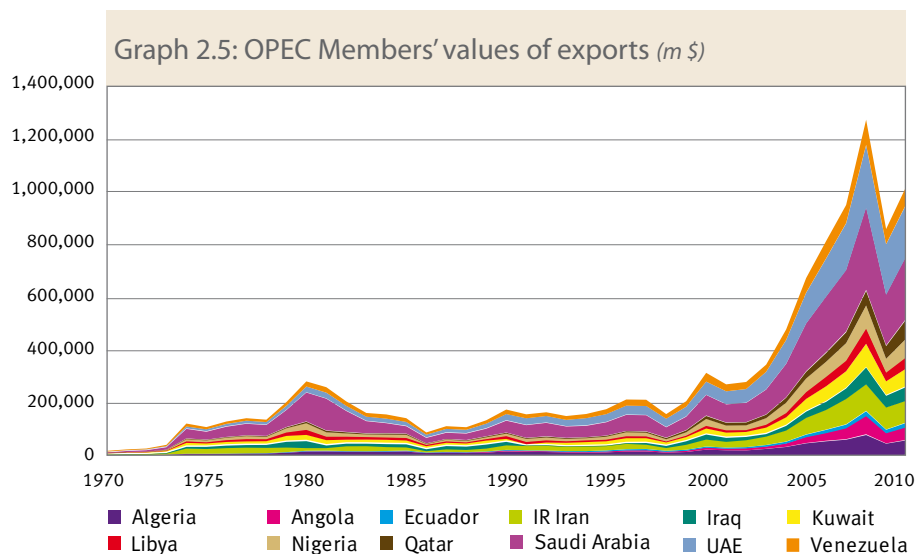
Table 2.3

Macro-economics

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

	2006	2007	2008	2009	2010
Algeria	54,792	60,917	79,147	45,200	57,800
Angola	31,084	43,452	72,179	40,080	49,259
Ecuador	12,728	14,321	18,511	13,799	17,369
IR Iran	76,190	97,668	101,289	84,718	83,785
Iraq	30,529	39,516	63,726	44,275	52,084
Kuwait	55,996	62,498	87,427	51,678	65,984
Libya	39,375	43,571	61,766	37,055	46,310
Nigeria	57,709	66,969	88,336	52,729	70,579
Qatar	33,627	41,491	54,912	48,306	72,054
Saudi Arabia	211,024	233,174	313,462	192,296	235,342
United Arab Emirates	145,567	178,606	239,180	192,167	198,362
Venezuela	65,578	69,010	95,138	57,595	65,786
OPEC	814,197	951,193	1,275,072	859,898	1,014,714

Notes: Revisions have been made throughout the time series. Totals may not add up due to independent rounding.



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

	2006	2007	2008	2009	2010
Algeria	38,293	44,250	53,607	30,592	38,300
Angola	29,131	41,340	69,522	38,357	47,239
Ecuador	7,545	8,329	11,643	6,965	9,649
IR Iran	57,719	66,214	87,050	56,341	71,571
Iraq	30,465	39,433	61,111	41,668	51,147
Kuwait	53,160	59,016	82,656	46,618	61,667
Libya	37,275	41,807	56,954	32,897	41,874
Nigeria	54,607	51,170	74,033	43,623	61,804
Qatar	18,704	22,817	28,156	19,134	29,278
Saudi Arabia	190,468	205,452	280,998	157,407	196,193
United Arab Emirates	70,100	73,816	102,073	57,531	74,027
Venezuela	47,795	51,664	89,128	54,201	62,317
OPEC	635,261	705,307	996,930	585,334	745,066

Notes: Totals may not add up due to independent rounding. Where applicable, petroleum product exports are included. Data for some countries may include condensates as well as other NGLs. Iraq data excludes border trades. Some countries import substantial amounts of crude and products, resulting in lower net revenue from petroleum operations.

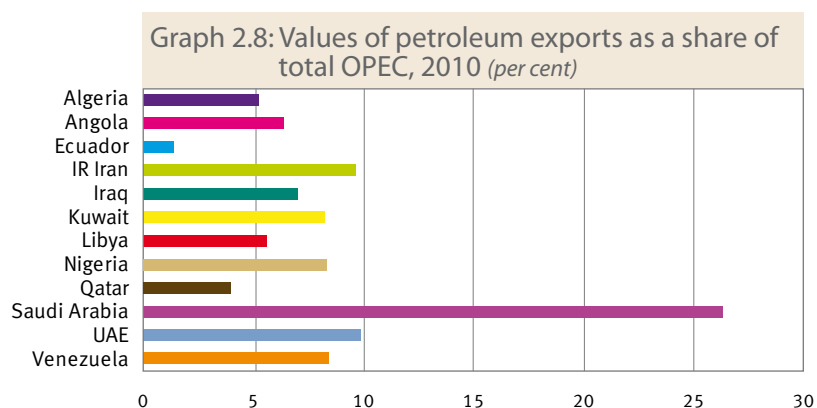
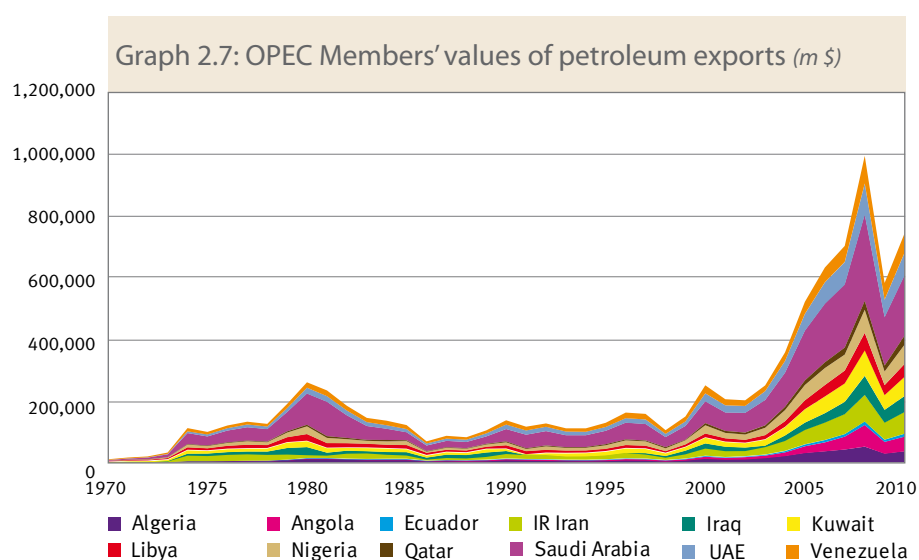


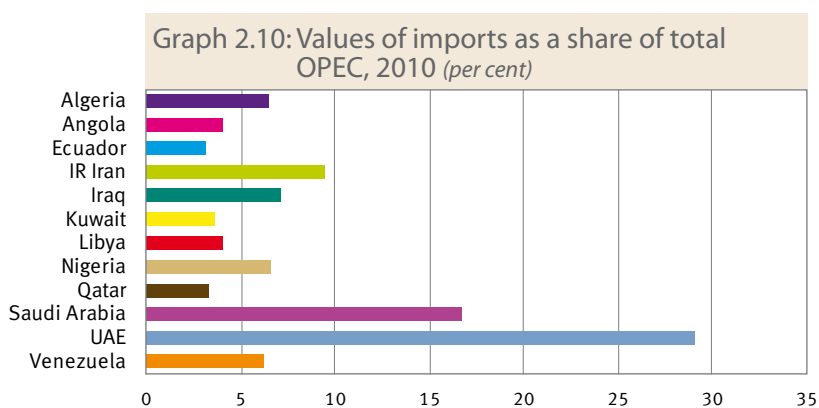
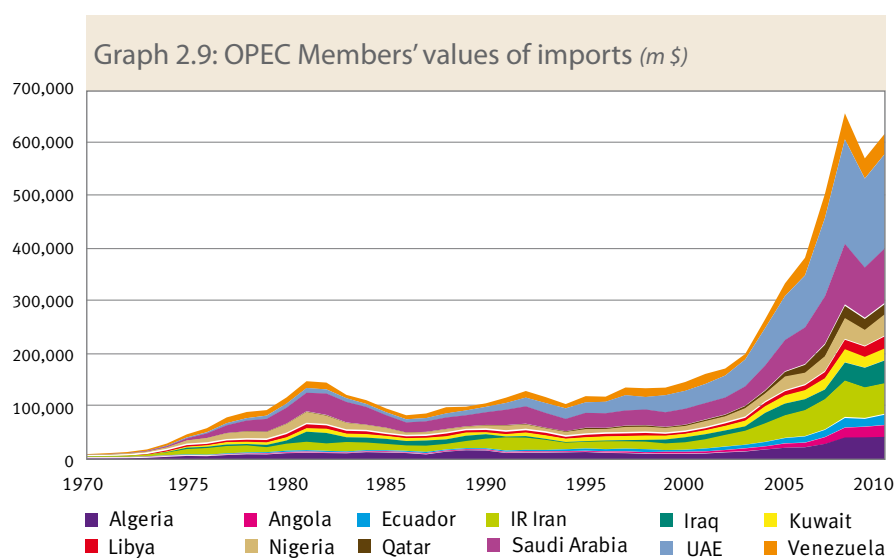
Table 2.5

Macro-economics

OPEC Members' values of imports (*m \$*)

	2006	2007	2008	2009	2010
Algeria	21,456	27,631	39,181	39,294	40,212
Angola	8,778	13,662	20,982	22,660	24,926
Ecuador	12,114	13,893	18,685	15,093	19,961
IR Iran	49,646	57,843	69,720	58,565	58,565
Iraq	22,009	19,556	35,496	38,437	44,203
Kuwait	17,228	21,319	24,866	20,336	22,423
Libya	10,297	12,979	19,706	21,168	24,647
Nigeria	21,988	28,291	39,844	30,276	40,760
Qatar	16,441	23,430	25,135	22,452	20,937
Saudi Arabia	69,707	90,157	115,134	95,567	103,651
United Arab Emirates	100,043	150,103	200,300	170,497	180,726
Venezuela	33,583	46,031	49,482	38,442	38,613
OPEC	383,290	504,894	658,531	572,787	619,623

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series. All figures cif.



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

	2006	2007	2008	2009	2010
Algeria	28,950	30,640	34,450	520	15,104
Angola	11,473	9,518	7,222	-7,538	-1,495
Ecuador	1,618	1,650	1,120	-306	-1,036
IR Iran	20,402	34,079	23,987	13,541	21,561
Iraq	7,096	19,992	32,344	1,271	6,900
Kuwait	45,413	41,313	60,297	28,607	43,141
Libya	22,170	28,510	35,702	9,381	16,158
Nigeria	34,174	31,094	31,824	23,142	7,830
Qatar	9,459	10,446	14,199	6,688	21,041
Saudi Arabia	98,934	93,329	132,322	22,765	38,792
United Arab Emirates	36,040	19,545	22,155	8,227	23,273
Venezuela	26,462	18,063	37,392	8,561	14,378
OPEC	342,191	338,179	433,015	114,858	205,648

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

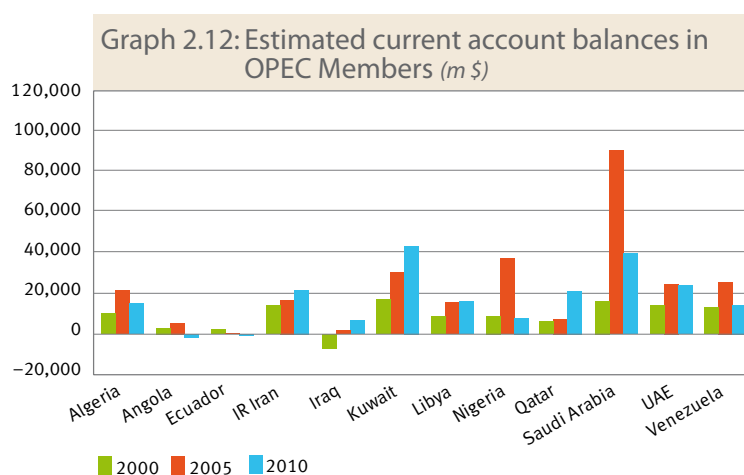
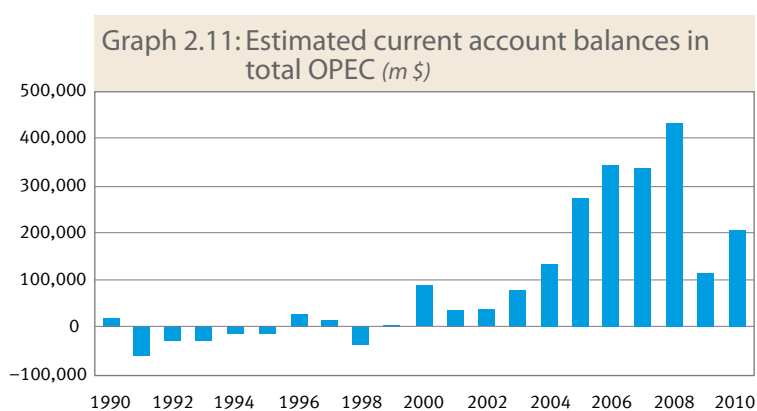


Table 2.7

Macro-economics

Annual average exchange rates for OPEC Members (*units of national currency/\$*)

	2006	2007	2008	2009	2010	% change 10/09
Algeria	72.647	69.292	64.583	72.647	74.386	2.4
Angola	80.368	76.706	75.033	79.328	91.906	15.9
Ecuador	1.000	1.000	1.000	1.000	1.000	–
IR Iran	9,170.940	9,281.150	9,428.530	9,864.300	10,254.200	4.0
Iraq	1,467.420	1,254.570	1,193.080	1,170.000	1,170.000	–
Kuwait	0.290	0.284	0.269	0.288	0.287	–0.4
Libya	1.314	1.263	1.224	1.254	1.267	1.1
Nigeria	128.652	125.808	118.546	148.902	150.298	0.9
Qatar	3.640	3.640	3.640	3.640	3.640	–
Saudi Arabia	3.745	3.748	3.750	3.750	3.750	–
United Arab Emirates	3.673	3.673	3.673	3.673	3.673	–
Venezuela	2.166	2.166	2.166	2.148	2.586	20.4

Notes: Conversions to the US dollar are based on average annual market exchange rates; otherwise, official rates are applied. 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 dollar rate for imports of essential items such as food, medicine, and industrial machinery, and a 4.3 bolivar per US dollar 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*)

	2006	2007	2008	2009	2010	% change 10/09
North America	26,699	25,872	26,217	24,021	24,021	–
Canada ¹	4,942	4,900	4,900	4,900	4,900	–
United States	21,757	20,972	21,317	19,121	19,121	–
Latin America	124,256	137,421	210,210	248,820	334,881	34.6
Argentina	2,468	2,587	2,616	2,520	2,505	–0.6
Brazil	12,182	12,624	12,624	12,802	12,857	0.4
Colombia	1,509	1,510	1,510	1,362	1,360	–0.1
Ecuador	5,180	6,368	6,511	6,511	7,206	10.7
Mexico	12,850	12,187	11,866	11,692	11,692	–
Venezuela	87,324	99,377	172,323	211,173	296,501	40.4
Others	2,743	2,768	2,760	2,760	2,760	–
Eastern Europe	128,852	128,981	128,598	128,959	128,959	–
Azerbaijan	7,000	7,000	7,000	7,000	7,000	–
Belarus	198	198	198	198	198	–
Kazakhstan	39,828	39,828	39,828	39,800	39,800	–
Russia	79,306	79,432	79,049	79,432	79,432	–
Turkmenistan	600	600	600	600	600	–
Ukraine	395	395	395	395	395	–
Uzbekistan	594	594	594	594	594	–
Others	931	934	934	940	940	–
Western Europe	15,369	15,006	14,118	13,582	13,532	–0.4
Denmark	1,157	1,113	1,113	1,060	812	–23.4
Norway	8,548	8,168	7,491	7,078	7,078	–
United Kingdom	3,593	3,593	3,390	3,400	3,400	–
Others	2,071	2,132	2,124	2,044	2,242	9.7
Middle East	754,616	750,619	752,258	752,080	794,266	5.6
IR Iran	138,400	136,150	137,620	137,010	151,170	10.3
Iraq	115,000	115,000	115,000	115,000	143,100	24.4
Kuwait	101,500	101,500	101,500	101,500	101,500	–
Oman	5,572	5,572	5,572	5,500	5,500	–
Qatar	26,185	25,090	25,405	25,382	25,382	–
Saudi Arabia	264,251	264,209	264,063	264,590	264,516	–
Syrian Arab Republic	3,000	2,500	2,500	2,500	2,500	–
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	–
Others	2,908	2,798	2,798	2,798	2,798	–
Africa	118,794	121,348	122,311	124,427	126,847	1.9
Algeria	12,200	12,200	12,200	12,200	12,200	–
Angola	9,330	9,500	9,500	9,500	9,500	–
Egypt	3,720	4,070	4,340	4,300	4,400	2.3
Gabon	1,995	1,995	1,995	2,000	2,000	–
Libya	41,464	43,663	44,271	46,422	47,097	1.5
Nigeria	37,200	37,200	37,200	37,200	37,200	–
Sudan	6,615	6,700	6,700	6,700	6,700	–
Others	6,270	6,020	6,105	6,105	7,750	26.9
Asia and Pacific	40,964	40,223	40,278	44,426	44,506	0.2
Brunei	1,200	1,200	1,200	1,100	1,100	–
China	15,615	15,493	15,493	18,000	18,000	–
India	5,693	5,459	5,459	5,800	5,820	0.3
Indonesia	4,370	3,990	3,990	3,990	3,990	–
Malaysia	5,357	5,357	5,357	5,500	5,500	–
Vietnam	3,250	3,410	3,410	4,700	4,700	–
Australia	4,158	4,158	4,158	4,158	4,158	–
Others	1,321	1,156	1,211	1,178	1,238	5.1
Total world	1,209,550	1,219,470	1,293,990	1,336,315	1,467,012	9.8
<i>of which</i>						
OPEC	935,834	948,058	1,023,393	1,064,288	1,193,172	12.1
<i>OPEC percentage</i>	<i>77.4</i>	<i>77.7</i>	<i>79.1</i>	<i>79.6</i>	<i>81.3</i>	<i>2.1</i>
OECD	59,176	57,306	56,447	53,553	53,566	–
FSU	128,020	128,146	127,763	128,118	128,118	–

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series. For some countries condensates are included.

1. Data refers to conventional crude oil.

Table 3.2

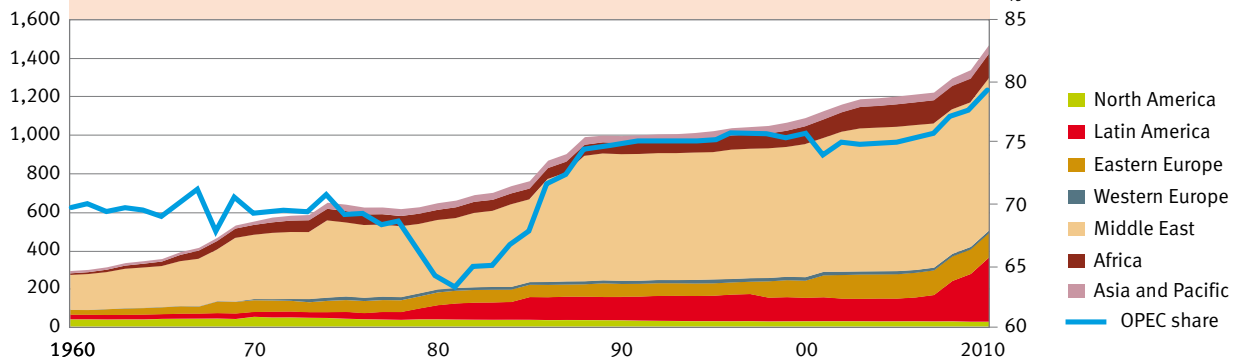
Oil and gas data

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

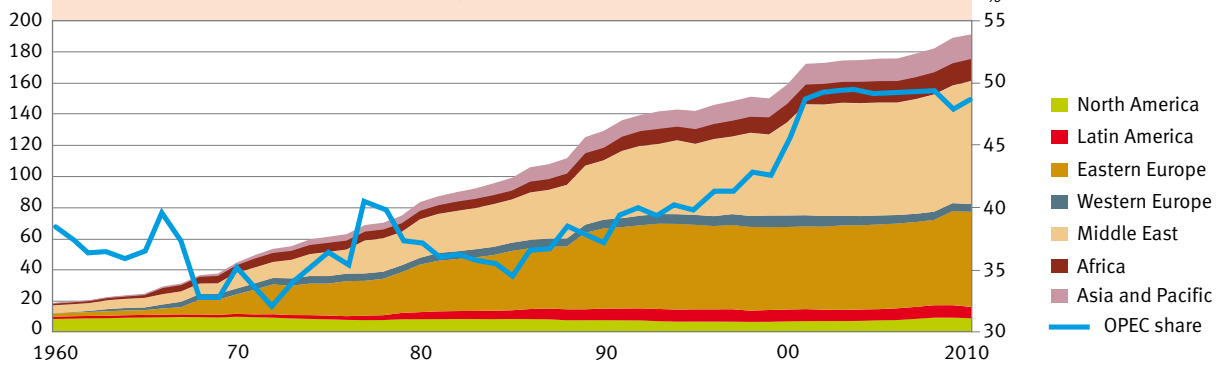
	2006	2007	2008	2009	2010	% change 10/09
North America	7,599	8,360	9,168	9,168	8,760	-4.5
Canada	1,622	1,630	1,700	1,700	1,685	-0.9
United States	5,977	6,730	7,468	7,468	7,075	-5.3
Latin America	7,624	7,768	8,017	8,065	8,341	3.4
Argentina	446	440	428	399	379	-5.0
Bolivia	740	740	750	750	695	-7.3
Brazil	348	365	380	365	358	-1.9
Chile	42	44	46	46	45	-2.2
Colombia	105	106	114	124	134	8.1
Ecuador	9	8	8	8	8	-
Mexico	392	373	359	359	339	-5.6
Peru	335	355	415	415	345	-16.9
Trinidad & Tobago	480	480	500	500	480	-4.0
Venezuela	4,708	4,838	4,983	5,065	5,525	9.1
Others	19	19	34	34	33	-2.9
Eastern Europe	54,588	54,650	55,006	60,487	61,279	1.3
Armenia	165	165	164	164	164	-
Azerbaijan	1,275	1,285	1,325	1,359	1,310	-3.6
Kazakhstan	1,900	1,900	1,910	1,950	1,950	-
Poland	103	97	93	93	98	5.4
Romania	628	628	629	629	606	-3.7
Russia	44,855	44,900	44,900	44,900	46,000	2.4
Turkmenistan	2,680	2,680	3,000	8,400	8,340	-0.7
Ukraine	1,030	1,030	1,020	1,020	990	-2.9
Uzbekistan	1,755	1,755	1,745	1,745	1,682	-3.6
Others	197	210	220	227	139	-38.8
Western Europe	5,524	5,344	5,292	5,246	5,019	-4.3
Denmark	120	116	113	118	105	-11.0
Germany	155	137	119	119	98	-17.6
Italy	94	84	82	69	64	-7.2
Netherlands	1,316	1,266	1,236	1,222	1,247	2.0
Norway	3,022	2,961	2,985	2,985	2,819	-5.6
United Kingdom	684	647	625	601	564	-6.2
Others	133	133	132	132	122	-7.6
Middle East	72,235	73,643	75,289	75,540	78,890	4.4
IR Iran	26,850	28,080	29,610	29,610	33,090	11.8
Iraq	3,170	3,170	3,170	3,170	3,158	-0.4
Kuwait	1,780	1,784	1,784	1,784	1,784	-
Oman	690	690	690	690	610	-11.6
Qatar	25,636	25,636	25,466	25,366	25,201	-0.7
Saudi Arabia	7,154	7,305	7,570	7,920	8,016	1.2
United Arab Emirates	6,040	6,072	6,091	6,091	6,091	-
Others	915	906	908	908	939	3.4
Africa	14,317	14,608	14,735	14,782	14,497	-1.9
Algeria	4,504	4,504	4,504	4,504	4,504	-
Angola	270	270	272	310	310	-
Cameroon	230	235	235	235	157	-33.2
Congo	130	130	130	130	130	-
Egypt	1,985	2,060	2,170	2,170	2,185	0.7
Libya	1,420	1,540	1,540	1,549	1,495	-3.5
Nigeria	5,207	5,292	5,292	5,292	5,110	-3.4
Others	571	578	593	593	607	2.4
Asia and Pacific	14,543	15,180	15,394	16,425	15,763	-4.0
Bangladesh	383	374	370	344	364	5.8
Brunei	331	343	350	350	309	-11.7
China	2,420	2,630	2,660	3,090	2,751	-11.0
India	1,075	1,055	1,065	1,065	1,085	1.9
Indonesia	2,659	3,002	3,100	3,280	2,960	-9.8
Malaysia	2,480	2,475	2,475	2,350	2,362	0.5
Myanmar	515	600	590	590	510	-13.6
Pakistan	847	850	852	843	818	-3.0
Thailand	331	317	304	340	360	5.9
Vietnam	220	220	217	217	215	-0.9
Australia	2,485	2,510	2,600	3,145	3,225	2.5
Others	797	804	811	811	804	-0.9
Total world	176,429	179,554	182,901	189,712	192,549	1.5
<i>of which</i>						
OPEC	86,748	88,500	90,290	90,669	94,292	4.0
OPEC share	49.2	49.3	49.4	47.8	49	2.5
OECD	16,220	16,827	17,656	18,160	17,506	-3.6
FSU	53,762	53,814	54,169	59,642	60,540	1.5

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

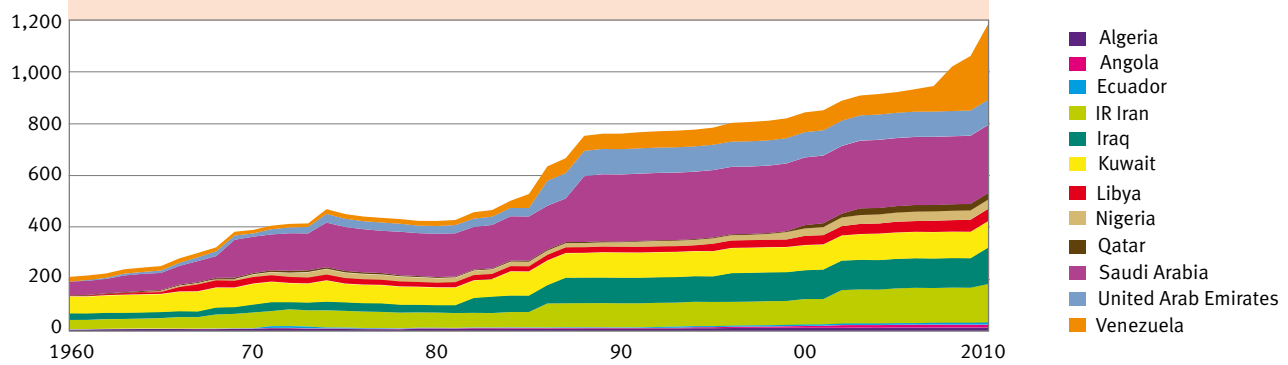
Graph 3.1: World proven crude oil reserves (bn b)



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)

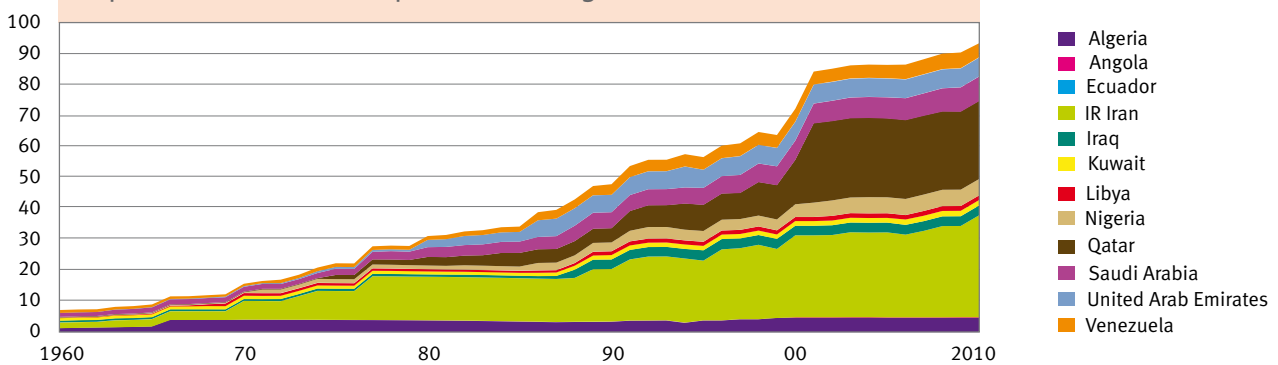


Table 3.3

Oil and gas data

Active rigs in OPEC Members and in world

	2006	2007	2008	2009	2010	change 10/09
North America	2,174	2,171	2,143	1,485	2,109	624
Canada	456	360	361	313	398	85
United States	1,718	1,811	1,782	1,172	1,711	539
Latin America	328	389	424	426	424	-2
Argentina	81	87	70	55	61	6
Bolivia	3	2	3	4	5	1
Brazil	33	46	59	66	75	9
Chile	1	2	1	4	3	-1
Colombia	24	40	42	31	54	23
Ecuador	12	9	18	12	11	-1
Mexico	84	98	111	122	80	-42
Trinidad & Tobago	7	5	4	3	1	-2
Venezuela	75	90	108	120	125	5
Others	8	10	8	9	9	-
Eastern Europe	297	409	509	473	400	-73
Azerbaijan	10	12	11	14	15	1
Kazakhstan	65	76	107	85	58	-27
Poland	12	16	14	15	9	-6
Romania	22	25	31	28	15	-13
Russia	180	274	335	320	294	-26
Turkmenistan	7	6	11	11	9	-2
Others	1	-	-	-	-	-
Western Europe	103	120	152	125	149	24
France	-	1	1	1	-	-1
Germany	4	5	10	5	7	2
Italy	5	5	4	4	4	-
Netherlands	3	2	5	5	7	2
Norway	15	19	25	22	19	-3
United Kingdom	22	22	22	14	20	6
Others	54	66	85	74	92	18
Middle East	332	346	413	369	400	31
IR Iran	52	52	52	52	54	2
Iraq	30	30	29	22	36	14
Kuwait	16	11	19	28	56	28
Oman	41	53	52	48	41	-7
Qatar	4	6	2	6	6	-
Saudi Arabia	75	76	127	102	98	-4
Syrian Arab Republic	25	19	20	19	31	12
United Arab Emirates	15	14	14	11	13	2
Yemen	15	16	15	12	12	-
Others	59	69	83	69	76	7
Africa	153	178	210	192	217	25
Algeria	25	29	27	27	24	-3
Angola	4	5	6	5	11	6
Egypt	39	50	60	49	57	8
Gabon	3	4	1	2	4	2
Libya	38	50	63	60	60	-
Nigeria	9	11	20	18	35	17
South Africa	-	-	1	-	-	-
Sudan	23	27	30	28	20	-8
Others	12	2	2	3	6	3
Asia and Pacific	255	269	272	313	325	12
Australia	22	21	26	17	16	-1
China	20	28	30	47	43	-4
Brunei	1	1	1	1	-	-1
India	85	84	82	104	112	8
Indonesia	53	66	61	58	60	2
Malaysia	14	11	19	13	8	-5
New Zealand	6	5	4	5	5	-
Pakistan	17	19	21	18	15	-3
Others	37	34	28	50	66	16
Total world	3,642	3,882	4,123	3,383	4,044	661
<i>of which</i>						
OPEC	355	383	485	463	526	63
<i>OPEC percentage</i>	<i>10</i>	<i>10</i>	<i>12</i>	<i>14</i>	<i>13</i>	<i>-1</i>
OECD	2,383	2,410	2,432	1,749	2,354	605
FSU	263	368	464	430	376	-54

Notes: Geographic area totals include all countries in the region, some of which may not have been mentioned in the breakdown. Totals may not add up due to independent rounding. Revisions have been made throughout the time series. Number of workover rigs for Venezuela is estimated to stand at 77 in 2010 and 64 in 2009.

Table 3.4

Oil and gas data

Wells completed in OPEC Members

	2006	2007	2008	2009	2010	change 10/09
Algeria	302	260	249	265	258	-7
Angola	57	75	99	60	118	58
Ecuador	154	106	128	160	176	16
IR Iran	188	144	294	160	186	26
Iraq	19	na	19	55	71	16
Kuwait	73	73	88	83	185	102
Libya	160	197	254	247	200	-47
Nigeria	143	183	105	140	94	-46
Qatar	85	88	89	94	35	-59
Saudi Arabia	420	483	592	450	386	-64
Saudi-Kuwait Neutral Zone	54	20	7	70	75	5
United Arab Emirates	105	112	124	173	146	-27
Venezuela	1,508	1,560	1,350	775	890	115
OPEC	3,268	3,301	3,398	2,732	2,820	88
Total world¹	104,009	105,831	107,685	87,225	97,140	9,915

Notes: Figures include development and exploration wells.

1. Excluding Eastern Europe.

Producing wells in OPEC Members

	2006	2007	2008	2009	2010	change 10/09
Algeria	1,580	1,790	2,028	2,028	2,014	-14
Angola	1,183	1,250	1,321	1,321	1,325	4
Ecuador	807	3,134	3,447	3,447	3,433	-14
IR Iran	1,435	1,737	2,074	2,074	2,064	-10
Iraq	1,490	1,508	1,526	1,526	1512	-14
Kuwait	1,055	1,103	1,352	1,286	1,308	22
Libya	1,725	1,875	2,060	2,060	2,064	4
Nigeria	2,825	2,984	3,152	3,152	3,589	437
Qatar	332	413	516	513	527	14
Saudi Arabia	1,900	2,310	2,811	2,811	2,889	78
Saudi-Kuwait Neutral Zone	679	719	761	761	761	0
United Arab Emirates	1,659	1,719	1,782	1,456	1,488	32
Venezuela	14,430	14,540	14,651	14,651	14,505	-146
OPEC	31,100	35,082	37,481	37,086	37,479	393
Total world¹	1,452,860	1,482,727	1,509,416	913,978	1,005,375	91,397

Notes: Excluding shut-in wells. Figures as at year-end.
1. Including Eastern Europe.

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	2010
Algeria	181.1	1,029.1	1,019.9	783.5	796.0	1,189.8
Angola	1.1	83.9	150.0	473.8	736.1	1,691.2
Ecuador	7.5	4.1	204.1	286.1	392.2	476.4
IR Iran	1,067.7	3,829.0	1,467.4	3,135.3	3,661.3	3,544.0
Iraq	972.2	1,548.6	2,646.4	2,112.6	2,810.0	2,358.1
Kuwait ¹	1,691.8	2,989.6	1,663.7	858.6	1,996.1	2,312.1
Libya	–	3,318.0	1,831.6	1,389.1	1,347.2	1,486.6
Nigeria	17.4	1,083.1	2,058.0	1,726.7	2,053.6	2,048.3
Qatar	174.6	362.4	471.4	405.6	648.2	733.4
Saudi Arabia ¹	1,313.5	3,799.1	9,900.5	6,412.5	8,094.5	8,165.6
United Arab Emirates	–	779.6	1,701.9	1,762.6	2,174.7	2,323.8
Venezuela	2,846.1	3,708.0	2,165.0	2,135.2	2,891.0	2,853.6
OPEC	8,273.0	22,534.5	25,279.9	21,481.6	27,600.8	29,183.0

1. Figures include share of production from Neutral Zone.

Cumulative crude oil production up to and including year

	1960	1970	1980	1990	2000	2010
Algeria	81,372	2,569,469	6,404,548	8,974,340	11,837,030	16,079,015
Angola	1,127	76,423	623,359	1,681,478	3,972,081	8,794,133
Ecuador	2,745	26,191	617,927	1,526,131	2,843,162	4,547,455
IR Iran	4,167,717	12,357,977	29,969,896	38,410,483	51,367,070	65,152,744
Iraq	2,750,439	7,476,078	15,826,156	22,246,208	26,918,241	34,596,929
Kuwait ¹	4,333,049	13,028,906	21,993,164	25,857,094	32,092,887	40,548,105
Libya	–	5,476,384	12,810,843	16,929,582	21,993,272	27,594,678
Nigeria	12,318	1,138,896	8,389,456	13,656,562	20,572,881	28,198,355
Qatar	451,617	1,428,583	3,199,374	4,334,808	6,032,088	8,718,777
Saudi Arabia ¹	4,345,242	13,283,848	42,306,785	61,814,608	91,266,532	122,387,773
United Arab Emirates	–	1,160,471	7,164,231	11,921,927	19,785,670	28,265,801
Venezuela	13,865,487	26,301,976	36,046,663	42,528,079	51,772,971	62,363,887
OPEC	30,011,111	84,325,201	185,352,402	249,881,299	340,453,882	447,247,653

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)

	2006	2007	2008	2009	2010	% change 10/09
North America	6,447.8	6,452.6	6,299.2	6,577.5	6,718.3	2.1
Canada	1,345.7	1,388.4	1,348.7	1,216.9	1,206.2	-0.9
United States	5,102.1	5,064.2	4,950.4	5,360.6	5,512.1	2.8
Latin America	10,077.8	9,835.9	9,635.2	9,506.8	9,664.4	1.7
Argentina	657.7	641.5	641.6	623.1	608.8	-2.3
Brazil	1,722.7	1,748.0	1,812.1	1,950.4	2,054.7	5.3
Chile	3.0	2.0	2.0	2.8	3.0	9.1
Colombia	531.0	529.5	587.8	670.2	784.8	17.1
Ecuador	518.4	511.4	501.4	464.7	476.4	2.5
Mexico	3,255.7	3,081.7	2,798.5	2,601.4	2,575.9	-1.0
Peru	77.6	77.0	76.6	71.8	72.6	1.1
Trinidad & Tobago	144.9	120.5	114.3	107.2	98.2	-8.4
Venezuela	3,035.6	2,981.9	2,957.5	2,878.1	2,853.6	-0.8
Others	131.2	142.3	143.5	137.1	136.3	-0.6
Eastern Europe	11,532.4	12,003.7	12,039.5	12,386.6	12,644.2	2.1
Albania	7.0	7.0	7.0	7.0	9.7	38.2
Azerbaijan	643.2	855.2	899.7	1,014.4	1,026.7	1.2
Hungary	17.8	16.6	16.0	15.9	14.4	-9.5
Kazakhstan	1,056.5	1,079.3	1,142.7	1,256.3	1,333.4	6.1
Romania	98.3	100.2	92.8	88.5	85.7	-3.1
Russia	9,358.5	9,572.1	9,498.5	9,650.4	9,841.3	2.0
Others	351.1	373.3	382.7	354.1	332.9	-6.0
Western Europe	4,501.5	4,319.9	4,046.5	3,817.5	3,522.1	-7.7
Denmark	342.0	304.6	279.8	261.3	246.3	-5.8
France	21.4	19.6	19.6	18.2	18.0	-1.3
Germany	66.7	66.3	61.7	54.6	49.0	-10.1
Italy	110.2	107.7	99.5	82.8	96.0	16.0
Netherlands	26.2	40.2	33.6	25.5	19.9	-21.8
Norway	2,353.6	2,210.5	2,107.5	1,989.2	1,799.3	-9.5
Turkey	41.6	41.9	41.6	46.2	48.3	4.6
United Kingdom	1,486.4	1,477.4	1,352.5	1,291.7	1,199.1	-7.2
Others	53.4	51.6	50.8	48.0	46.2	-3.8
Middle East	22,900.8	22,361.6	23,141.6	20,868.5	21,026.4	0.8
Bahrain	183.3	184.7	184.5	182.0	180.2	-1.0
IR Iran	4,072.6	4,030.7	4,055.7	3,557.1	3,544.0	-0.4
Iraq	1,957.2	2,035.2	2,280.5	2,336.2	2,358.1	0.9
Kuwait ¹	2,664.5	2,574.5	2,676.0	2,261.6	2,312.1	2.2
Oman	687.1	653.0	669.3	712.6	758.3	6.4
Qatar	802.9	845.3	842.8	733.0	733.4	0.1
Saudi Arabia ¹	9,207.9	8,816.0	9,198.0	8,184.0	8,165.6	-0.2
Syrian Arab Republic	400.0	380.0	377.0	377.0	386.0	2.4
United Arab Emirates	2,568.0	2,529.0	2,572.2	2,241.6	2,323.8	3.7
Yemen	357.3	313.2	285.7	283.4	264.8	-6.6
Africa	8,866.3	8,997.6	9,191.4	8,461.0	8,589.3	1.5
Algeria	1,368.8	1,371.6	1,356.0	1,216.0	1,189.8	-2.2
Angola	1,384.6	1,694.6	1,896.3	1,738.9	1,691.2	-2.7
Cameroon	87.5	85.3	83.8	72.9	64.2	-11.9
Congo	247.2	243.1	259.7	274.9	295.6	7.6
Egypt	520.8	500.7	522.6	523.1	534.1	2.1
Gabon	250.0	250.1	239.6	237.6	245.5	3.3
Libya	1,751.2	1,673.9	1,721.5	1,473.9	1,486.6	0.9
Nigeria	2,233.9	2,059.3	2,017.4	1,842.0	2,048.3	11.2
Tunisia	67.2	90.6	90.0	82.4	78.8	-4.3
Others	955.1	1,028.5	1,004.5	999.3	955.1	-4.4
Asia and Pacific	7,322.6	7,313.9	7,414.0	7,351.6	7,580.3	3.1
Australia	424.1	448.7	463.7	463.7	424.9	-8.4
Brunei	198.1	169.7	157.5	154.4	159.2	3.1
China	3,673.5	3,736.0	3,802.1	3,794.6	4,076.6	7.4
India	675.6	684.1	682.0	666.3	735.6	10.4
Indonesia	894.8	843.8	853.4	826.1	810.8	-1.8
Malaysia	704.0	695.3	694.2	659.9	635.9	-3.6
New Zealand	18.2	41.7	60.1	55.9	53.0	-5.1
Others	734.2	694.7	701.0	730.8	684.2	-6.4
Total world	71,649.0	71,285.3	71,767.5	68,969.5	69,744.9	1.1
<i>of which</i>						
OPEC	31,565.6	31,123.4	32,075.4	28,927.1	29,183.0	0.9
<i>OPEC percentage</i>	<i>44.1</i>	<i>43.7</i>	<i>44.7</i>	<i>41.9</i>	<i>41.8</i>	<i>-0.2</i>
OECD	14,659.6	14,355.4	13,681.0	13,527.8	13,306.5	-1.6
FSU	11,388.0	11,860.6	11,902.6	12,257.9	12,516.8	2.1

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

1. Figures include share of production from Neutral Zone.

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

	2006	2007	2008	2009	2010	% change 10/09
Algeria						
Gross production	194,782	198,182	201,186	196,917	192,209	-2.4
Marketed production	88,209	84,827	86,505	81,426	83,900	3.0
Flaring	3,340	4,675	4,953	5,503	4,997	-9.2
Reinjection	90,216	93,045	92,918	95,007	89,080	-6.2
Shrinkage	13,017	15,635	16,810	14,981	13,516	-9.8
Angola						
Gross production	9,400	10,810	10,050	10,100	10,320	2.2
Marketed production	680	830	680	690	733	6.3
Flaring	6,500	7,300	6,920	6,907	7,042	2.0
Reinjection	2,070	2,500	2,300	2,290	2,363	3.2
Shrinkage	150	180	150	213	181	-15.1
Ecuador						
Gross production	1,250	1,240	1,250	1,400	1,403	0.2
Marketed production	280	275	260	296	330	11.5
Flaring	770	770	770	570	493	-13.5
Reinjection	200	195	220	na	na	-
Shrinkage	na	na	na	534	580	8.6
IR Iran						
Gross production	167,800	174,200	180,423	210,334	220,124	4.7
Marketed production	108,600	111,900	116,300	175,742	187,357	6.6
Flaring	15,830	15,695	16,811	15,874	na	-
Reinjection	26,663	28,479	27,412	18,719	32,766	75.0
Shrinkage	16,707	18,126	19,900	na	na	-
Iraq						
Gross production	11,900	13,596	14,781	16,577	16,885	1.9
Marketed production	1,450	1,460	1,880	1,149	1,303	13.4
Flaring	6,600	6,621	6,005	6,984	7,573	8.4
Reinjection	800	763	900	968	809	-16.4
Shrinkage	3,050	4,752	5,996	7,477	na	-
Kuwait						
Gross production	13,670	13,310	13,870	11,689	11,950	2.2
Marketed production	12,410	12,060	12,700	11,489	11,733	2.1
Flaring	260	250	200	200	217	8.5
Reinjection	na	na	na	na	na	-
Shrinkage	1,000	1,000	970	na	na	-
Libya						
Gross production	27,064	29,219	30,310	29,289	30,257	3.3
Marketed production	13,195	15,280	15,900	15,900	16,814	5.7
Flaring	2,980	2,909	3,940	3,261	3,483	6.8
Reinjection	3,634	3,366	3,526	3,570	3,400	-4.8
Shrinkage	7,255	7,664	6,944	6,557	6,560	-

Table 3.8

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
Nigeria						
Gross production	61,800	68,400	72,638	56,717	71,758	26.5
Marketed production	28,500	32,500	32,825	23,206	28,099	21.1
Flaring	22,300	22,300	19,073	13,328	15,294	14.7
Reinjection	9,000	10,000	14,423	14,245	21,286	49.4
Shrinkage	2,000	3,600	6,317	5,937	7,079	19.2
Qatar						
Gross production	64,200	77,200	90,887	102,800	109,335	6.4
Marketed production	50,700	63,200	76,981	89,300	96,335	7.9
Flaring	4,100	4,200	3,597	3,966	2,800	-29.4
Reinjection	3,400	3,500	4,758	3,886	5,600	44.1
Shrinkage	6,000	6,300	5,551	5,648	5,470	-3.2
Saudi Arabia						
Gross production	85,001	83,280	86,400	89,610	97,030	8.3
Marketed production	73,461	74,420	80,440	78,450	87,660	11.7
Flaring	70	200	na	na	na	-
Reinjection	217	100	160	50	60	20.0
Shrinkage	11,253	8,560	5,800	11,110	9,310	-16.2
United Arab Emirates						
Gross production	76,194	78,963	80,055	75,840	79,778	5.2
Marketed production	48,790	50,290	50,240	48,840	51,282	5.0
Flaring	950	970	980	967	972	0.6
Reinjection	20,984	22,033	23,135	22,051	22,406	1.6
Shrinkage	5,470	5,670	5,700	3,983	5,118	28.5
Venezuela						
Gross production	73,471	71,622	71,978	72,170	71,075	-1.5
Marketed production	20,340	20,729	20,750	18,430	19,728	7.0
Flaring	5,182	7,184	9,173	8,753	6,680	-23.7
Reinjection	32,318	30,974	30,200	31,626	30,390	-3.9
Shrinkage	15,631	12,735	11,855	13,362	14,277	6.9
OPEC						
Gross production	786,532	820,022	853,828	873,443	912,124	4.4
Marketed production	446,615	467,771	495,461	544,917	585,274	7.4
Flaring	68,882	73,074	72,422	66,312	49,551	-25.3
Reinjection	189,502	194,955	199,952	192,412	208,161	8.2
Shrinkage	81,533	84,222	85,993	69,803	62,091	-11.0

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 3.9
Oil and gas data

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

	2006	2007	2008	2009	2010*	% change 10/09
North America	709,140	719,570	745,250	741,940	762,780	2.8
Canada	185,490	179,350	171,190	159,530	152,350	-4.5
United States	523,650	540,220	574,060	582,410	610,430	4.8
Latin America	180,520	187,534	193,940	188,366	198,446	5.4
Argentina	46,100	44,830	44,060	41,360	40,100	-3.0
Bolivia	13,190	14,090	14,660	12,620	14,730	16.7
Brazil	9,880	9,840	12,620	10,280	12,410	20.7
Chile	1,960	1,760	1,870	1,350	1,070	-20.7
Colombia	7,220	7,640	9,000	10,490	11,260	7.3
Cuba	400	400	1,160	1,150	1,208	5.0
Ecuador	280	275	260	296	330	11.5
Mexico	42,930	46,290	46,610	48,320	47,710	-1.3
Peru	1,780	2,670	3,650	3,470	7,520	116.7
Trinidad & Tobago	36,440	39,010	39,300	40,600	42,380	4.4
Venezuela	20,340	20,729	20,750	18,430	19,728	7.0
Eastern Europe	804,370	814,620	832,690	732,950	802,314	9.5
Azerbaijan	6,650	10,800	12,500	16,330	18,220	11.6
Hungary	3,000	2,600	2,610	3,090	2,490	-19.4
Kazakhstan	24,350	27,800	31,400	33,470	34,900	4.3
Poland	4,300	4,300	4,100	4,110	4,240	3.2
Romania	12,080	11,600	10,700	10,950	10,470	-4.4
Russia	615,500	611,500	621,300	546,800	610,090	11.6
Turkmenistan	59,300	64,600	66,100	35,720	41,610	16.5
Ukraine	19,500	19,500	19,800	19,880	19,000	-4.4
Uzbekistan	58,800	61,200	63,400	62,270	60,960	-2.1
Others	890	720	780	330	334	1.2
Western Europe	284,260	271,700	289,410	272,200	279,359	2.6
Austria	1,830	1,850	1,530	1,590	1,630	2.5
Croatia	1,580	1,580	1,580	1,410	1,523	8.0
Denmark	10,440	9,210	10,090	8,450	8,190	-3.1
France	1,230	1,080	920	880	718	-18.4
Germany	18,800	17,100	15,600	14,590	12,710	-12.9
Ireland	420	380	360	320	388	21.3
Italy	10,840	9,710	9,140	8,020	8,300	3.5
Netherlands	70,740	68,300	79,960	73,730	82,890	12.4
Norway	87,600	89,700	99,200	103,750	106,350	2.5
United Kingdom	79,820	72,300	69,900	59,100	56,300	-4.7
Others	960	490	1,130	360	360	-
Middle East	337,991	356,540	382,581	450,789	486,384	7.9
Bahrain	11,330	11,780	12,640	12,580	12,910	2.6
IR Iran	108,600	111,900	116,300	175,742	187,357	6.6

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series.

Table 3.9

Oil and gas data

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

	2006	2007	2008	2009	2010*	% change 10/09
Iraq	1,450	1,460	1,880	1,149	1,303	13.4
Kuwait	12,410	12,060	12,700	11,489	11,900	3.6
Oman	23,710	24,040	24,060	24,770	27,100	9.4
Qatar	50,700	63,200	76,981	89,300	96,335	7.9
Saudi Arabia	73,461	74,420	80,440	78,450	87,660	11.7
Syrian Arab Republic	6,250	6,000	5,900	6,510	8,940	37.3
United Arab Emirates	48,790	50,290	50,240	48,840	51,282	5.0
Others	1,290	1,390	1,440	1,960	1,597	-18.5
Africa	186,994	193,257	213,520	202,622	211,076	4.2
Algeria	88,209	84,827	86,505	81,426	83,900	3.0
Angola	680	830	680	690	733	6.3
Egypt	45,200	46,500	58,970	62,690	61,330	-2.2
Equatorial Guinea	1,300	2,920	6,670	5,900	6,136	4.0
Côte d'Ivoire	1,300	1,300	1,300	1,300	1,352	4.0
Libya	13,195	15,280	15,900	15,900	16,814	5.7
Mozambique	2,750	3,000	3,300	3,600	3,744	4.0
Nigeria	28,500	32,500	32,825	23,206	28,099	21.1
South Africa	2,900	3,000	3,250	3,600	3,744	4.0
Tunisia	2,550	2,200	2,970	2,970	3,830	29.0
Others	410	900	1,150	1,340	1,394	4.0
Asia Pacific	378,170	390,740	415,400	436,610	485,673	11.2
Australia	43,600	43,700	47,500	52,580	55,250	5.1
Bangladesh	15,320	16,270	17,900	19,750	20,780	5.2
Brunei	13,800	13,450	13,400	11,500	11,800	2.6
China	58,550	67,900	76,100	81,960	93,020	13.5
India	30,800	31,380	32,200	40,620	52,800	30.0
Indonesia	71,140	68,590	70,000	72,400	82,800	14.4
Japan	3,420	3,900	3,950	3,740	3,397	-9.2
Malaysia	55,860	55,500	61,200	58,600	61,210	4.5
Myanmar	12,600	13,520	12,400	11,540	12,100	4.9
Pakistan	36,120	36,800	37,500	38,410	39,450	2.7
Philippines	2,200	2,900	2,940	3,090	3,245	5.0
Thailand	24,320	26,000	28,760	30,880	36,270	17.5
Vietnam	5,700	5,900	6,980	7,090	8,610	21.4
New Zealand	4,000	4,130	3,880	3,970	4,481	12.9
Others	740	800	690	480	461	-4.0
Total world	2,881,445	2,933,961	3,072,791	3,025,477	3,226,032	6.6
<i>of which</i>						
OPEC	446,615	467,771	495,461	544,917	585,441	7.4
<i>OPEC percentage</i>	<i>15</i>	<i>16</i>	<i>16</i>	<i>18</i>	<i>18</i>	<i>0.8</i>
OECD	1,093,220	1,094,950	1,142,130	1,120,810	1,143,226	2.0
FSU	784,250	795,550	814,650	711,130	782,243	10.0

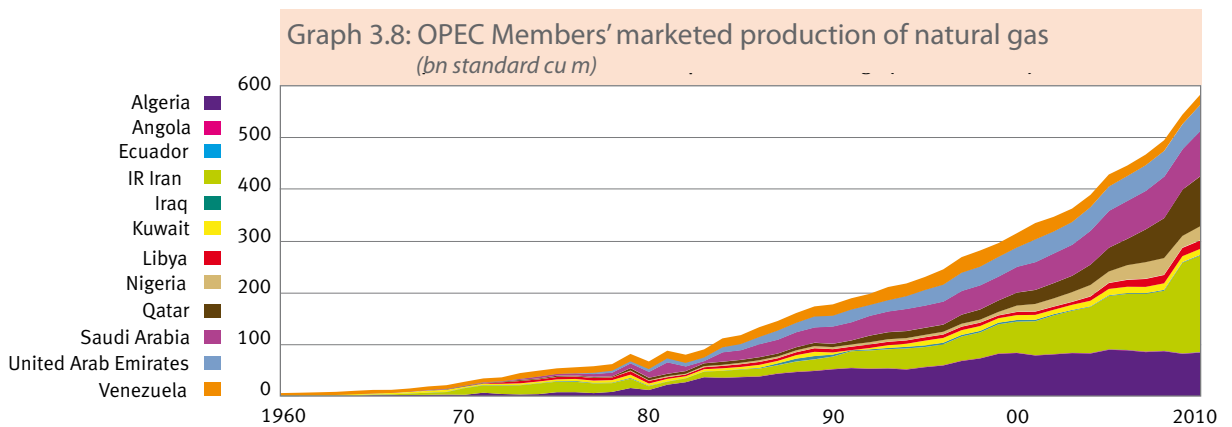
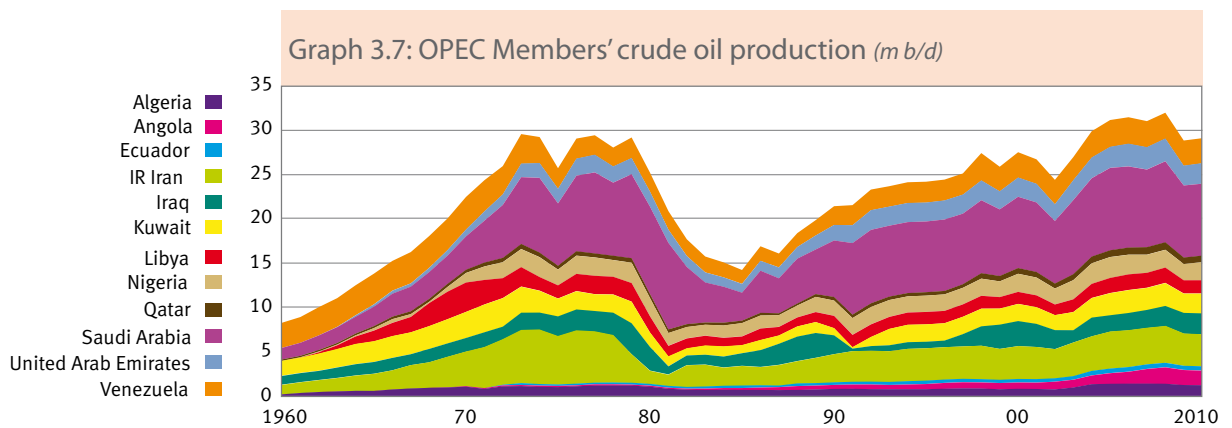
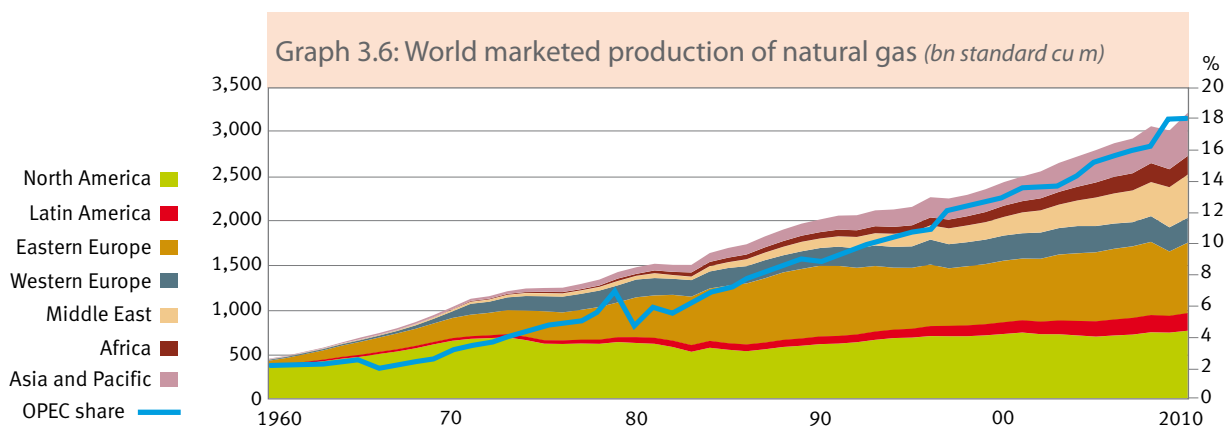
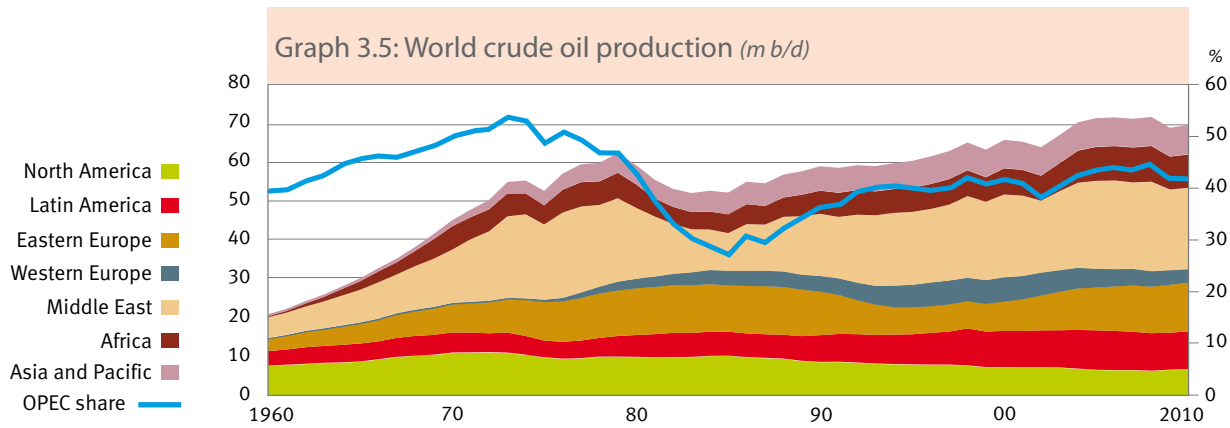


Table 3.10

Oil and gas data

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

	Location	2006	2007	2008	2009	2010
Algeria		455.2	475.0	523.1	652.4	652.4
Sonatrach	Skikda	309.8	323.4	359.1	352.7	352.7
	Arzew	57.5	53.9	59.8	58.5	58.5
	El Harrach	60.4	58.2	58.5	63.4	63.4
	Hassi Messaoud	27.5	26.7	31.4	163.5	163.5
	In Amenas	–	–	–	–	–
	Adrar	–	12.8	14.4	14.4	14.4
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		176.0	188.4	188.4	188.4	188.4
Petroindustrial	Esmeraldas	110.0	110.0	110.0	110.0	110.0
	Santa Elens	38.0	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
Andes Petroleum	Sucumbios	–	3.5	3.5	3.5	3.5
Repsol YPF	Orellana	7.0	7.2	7.2	7.2	7.2
IR Iran		1,474.0	1,474.0	1,474.0	1,474.0	1,741.0
NIOC	Abadan	400.0	400.0	400.0	400.0	421.0
	Arak	150.0	150.0	150.0	150.0	181.0
	Tehran	225.0	225.0	225.0	225.0	245.0
	Isfahan	265.0	265.0	265.0	265.0	350.0
	Tabriz	112.0	112.0	112.0	112.0	111.0
	Shiraz	40.0	40.0	40.0	40.0	60.0
	Kermanshah	30.0	30.0	30.0	30.0	22.0
	Lavan	20.0	20.0	20.0	20.0	29.0
	Masjid-I-Sulaiman	–	–	–	–	–
	Bandar Abbas	232.0	232.0	232.0	232.0	322.0
Iraq		638.5	638.5	658.5	824.0	800.0
INOC	Basrah	150.0	150.0	160.0	140.0	140.0
	Daurah	110.0	110.0	90.0	142.3	140.0
	Kirkuk	10.0	10.0	10.0	30.0	30.0
	Baiji (Salaheddin)	150.0	150.0	150.0	135.8	150.0
	Baiji (North)	160.0	160.0	170.0	170.0	170.0
	Khanaqin/Alwand	10.0	10.0	10.0	12.0	12.0
	Samawah	20.0	20.0	20.0	30.0	30.0
	Haditha	10.0	10.0	20.0	16.0	16.0
	Muftiah	4.5	4.5	4.5	4.5	4.5
	Gaiyarah	4.0	4.0	4.0	4.0	4.0
	Najaf	10.0	10.0	20.0	30.0	30.0
	Others	–	–	–	109.4	85.4
Kuwait		932.0	936.0	936.0	936.0	936.0
KNPC	Mina Al-Ahmadi	462.0	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

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

	Location	2006	2007	2008	2009	2010
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		80.0	80.0	80.0	80.0	80.0
Qatar Petroleum	Mesaieed I	–	–	–	–	–
Qatar Petroleum	Mesaieed II	80.0	80.0	80.0	80.0	80.0
Saudi Arabia		2,135.5	2,130.0	2,135.0	2,109.0	2,109.0
Saudi Aramco	Ras Tanura	550.0	550.0	550.0	550.0	550.0
Saudi Aramco	Jeddah	88.0	85.0	88.0	88.0	88.0
Saudi Aramco	Riyadh	127.5	120.0	122.0	124.0	124.0
Getty	Mina Saud	–	–	–	–	–
AOC	Khafji	30.0	30.0	30.0	–	–
Saudi Aramco	Yanbu (Domestic)	235.0	235.0	235.0	235.0	235.0
Saudi Aramco/Mobil	Yanbu (Export)	400.0	400.0	400.0	400.0	400.0
Saudi Aramco/Shell	Jubail	305.0	310.0	310.0	310.0	310.0
Saudi Aramco/Petrola	Rabigh	400.0	400.0	400.0	402.0	402.0
United Arab Emirates		466.3	466.3	466.3	466.3	466.3
ADNOC	Al-Ruwais	120.0	120.0	120.0	120.0	120.0
ADNOC	Umm Al-Narr	85.0	85.0	85.0	85.0	85.0
Metro Oil	Fujairah	70.0	70.0	70.0	70.0	70.0
Emirate Oil	Jebel Ali	120.0	120.0	120.0	120.0	120.0
Sharjah Oil Refinery	Hamriyah	71.3	71.3	71.3	71.3	71.3
Venezuela		1,039.8	1,034.7	1,027.2	981.2	982.3
PDVSA	Amuay	–	454.3	454.3	–	430.3
	Caripito	–	–	–	–	–
	Cardon	–	260.0	260.0	–	246.2
	Paraguaná Refining Centre	720.4	–	–	707.7	678.9
	San Lorenzo	–	–	–	–	–
	Bajo Grande	12.1	13.1	4.7	–	2.2
	Moron	–	–	–	–	–
	Tucupita	–	–	–	–	–
	Puerto La Cruz/San Roque	175.2	175.2	175.3	178.4	176.2
	San Roque	–	–	5.1	4.4	4.9
	El Palito	132.1	132.1	127.8	90.8	127.2
	Barinas	–	–	–	–	–
OPEC		8,261.3	8,286.8	8,352.5	8,575.2	8,819.2

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Some figures were converted from barrels per stream day. Capacity excludes condensate refineries.

Table 3.11

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	19,313.8	19,416.7	19,409.1	19,802.8	19,771.2	-0.2
Canada	2,041.2	1,969.5	2,029.5	2,039.3	1,902.0	-6.7
United States	17,272.6	17,447.2	17,379.7	17,763.5	17,869.2	0.6
Latin America	7,980.4	7,991.0	8,135.9	8,135.9	8,155.9	0.2
Argentina	624.6	626.1	626.1	627.1	627.1	-
Brazil	1,908.3	1,908.3	1,908.3	1,908.3	1,908.3	-
Colombia	285.9	285.9	285.9	285.9	290.9	1.8
Ecuador	176.0	188.4	188.4	188.4	188.4	-
Mexico	1,540.0	1,540.0	1,540.0	1,540.0	1,540.0	-
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	1,039.8	1,034.7	1,027.2	981.2	982.3	0.1
Virgin Islands	500.0	500.0	500.0	500.0	500.0	-
Eastern Europe	9,859.4	9,921.4	9,624.9	9,521.8	9,786.9	2.8
Russia	5,341.0	5,339.0	5,428.5	5,428.5	5,430.9	-
Others	4,518.4	4,582.4	4,196.4	4,093.3	4,356.0	6.4
Western Europe	15,445.4	15,405.2	15,439.2	15,736.3	15,446.2	-1.8
Belgium	790.6	797.6	797.6	797.6	740.3	-7.2
France	1,958.8	1,938.1	1,986.2	1,986.2	1,843.8	-7.2
Germany	2,417.4	2,417.1	2,417.5	2,417.5	2,417.7	-
Italy	2,337.2	2,337.2	2,337.2	2,337.2	2,337.2	-
Netherlands	1,211.9	1,226.9	1,207.7	1,207.7	1,208.6	0.1
Spain	1,271.5	1,277.0	1,271.5	1,271.5	1,271.5	-
United Kingdom	1,887.1	1,857.7	1,857.7	1,857.7	1,766.2	-4.9
Middle East	6,903.0	6,914.6	7,036.2	7,245.4	7,488.4	3.4
IR Iran	1,474.0	1,474.0	1,474.0	1,474.0	1,741.0	18.1
Iraq	638.5	638.5	658.5	824.0	800.0	-2.9
Kuwait	932.0	936.0	936.0	936.0	936.0	-
Qatar	80.0	80.0	80.0	80.0	80.0	-
Saudi Arabia	2,135.5	2,130.0	2,135.0	2,109.0	2,109.0	-
United Arab Emirates	466.3	466.3	466.3	466.3	466.3	-
Africa	3,250.6	3,275.4	3,278.4	3,278.4	3,278.4	-
Algeria	455.2	475.0	523.1	652.4	652.4	-
Angola	39.0	39.0	39.0	39.0	39.0	-
Egypt	726.3	726.3	726.3	726.3	726.3	-
Gabon	17.3	17.3	24.0	24.0	24.0	-
Libya	380.0	380.0	380.0	380.0	380.0	-
Nigeria	445.0	445.0	445.0	445.0	445.0	-
Asia and Pacific	23,900.5	24,438.1	24,552.4	24,552.4	24,750.3	0.8
China	6,246.0	6,246.0	6,446.0	6,446.0	6,806.0	5.6
India	2,255.5	2,255.5	2,255.5	2,835.5	4,000.5	41.1
Indonesia	1,057.0	1,050.8	1,050.8	1,050.8	1,011.8	-3.7
Japan	4,676.7	4,650.7	4,690.7	4,690.7	4,729.9	0.8
South Korea	2,633.5	2,633.5	2,576.5	2,606.5	2,721.5	4.4
Singapore	1,318.6	1,344.0	1,344.0	1,344.0	1,357.0	1.0
Taiwan	1,290.0	1,290.0	1,290.0	1,290.0	1,310.0	1.6
Australia	704.7	701.1	707.1	724.7	757.2	4.5
Total world	86,653.1	87,362.4	87,476.1	88,272.9	88,677.3	0.5
<i>of which</i>						
OPEC	8,261.3	8,286.8	8,352.5	8,575.2	8,819.2	2.8
<i>OPEC percentage</i>	9.5	9.5	9.5	9.7	9.9	
OECD	45,023.2	45,053.2	45,138.9	45,592.9	46,053.6	1.0
FSU	8,261	8,311	8,015	8,015	8,196	2.3

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Some figures were converted from barrels per stream day. Annual changes are calculated using 1,000 barrels daily figures.

Charge refinery capacity in OPEC Members, 2010 (1,000 b/cd)

	No of refineries	Crude	Vacuum distillation	Coking	Thermal operations	Catalytic cracking	Catalytic reforming	Catalytic hydrocracking	Catalytic hydrotreating
Algeria	4	652.4	555.3	-	-	7.1	89.7	-	17.4
Angola	1	39.0	2.5	-	-	-	2.4	-	6.6
Ecuador	3	188.4	45.3	-	31.5	18.0	10.0	24.5	13.0
IR Iran	9	1,741.0	635.0	-	90.0	17.0	188.6	152.4	34.4
Iraq	9	800.0	117.1	-	-	37.9	97.8	-	-
Kuwait	3	936.0	341.8	-	80.0	43.0	54.6	204.5	243.9
Libya	5	380.0	-	-	-	-	-	-	-
Nigeria	4	445.0	127.8	-	-	86.0	73.5	-	119.3
Qatar	2	80.0	-	-	-	28.0	14.1	-	31.6
Saudi Arabia	7	2,109.0	-	-	-	-	-	-	-
United Arab Emirates	5	466.3	55.0	-	-	-	45.2	27.0	168.0
Venezuela	5	982.3	437.4	-	-	124.2	69.3	-	165.0
OPEC	57	8,819.3	2,317.2	-	201.5	361.2	645.2	408.4	799.1

Notes:

Compiled and based on direct communication and secondary sources. Figures as at year-end. Totals may not add up due to independent rounding. Some figures were converted from barrels per stream day. Capacity excludes condensate refineries. Parity estimated and preliminary.

Table 3.13

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
Algeria	451.2	501.8	516.5	411.6	631.5	53.4
Gasoline	49.4	44.8	60.9	60.9	69.5	14.1
Kerosene	20.9	22.6	21.6	57.2	34.1	-40.3
Distillates	138.2	141.4	178.0	166.5	180.7	8.5
Residuals	100.9	104.3	121.6	92.6	118.7	28.2
Others	141.7	188.7	134.5	34.3	228.5	565.5
Angola	49.8	60.6	47.8	46.2	47.0	1.7
Gasoline	1.5	1.4	1.8	0.9	1.3	52.6
Kerosene	6.3	7.6	7.0	10.0	8.5	-15.0
Distillates	9.3	10.5	10.8	10.4	10.6	1.6
Residuals	10.5	11.3	11.0	13.7	12.4	-9.9
Others	22.3	29.8	17.2	11.2	14.2	27.0
Ecuador	133.0	170.2	194.3	189.3	185.1	-2.2
Gasoline	19.3	43.0	44.7	46.1	41.4	-10.2
Kerosene	4.5	8.5	8.5	8.2	8.1	-0.5
Distillates	33.0	31.0	32.9	35.6	32.8	-7.9
Residuals	56.8	68.3	65.0	66.9	60.1	-10.1
Others	19.3	19.4	15.3	32.5	42.7	31.3
IR Iran	1,447.9	1,498.0	1,587.0	1,726.1	1,743.3	1.0
Gasoline	274.2	319.0	306.3	332.6	346.3	4.1
Kerosene	132.8	133.5	159.5	119.2	130.2	9.3
Distillates	506.1	475.8	503.1	556.3	565.5	1.6
Residuals	482.6	442.8	462.2	494.4	472.0	-4.5
Others	52.2	126.9	155.9	223.7	229.3	2.5
Iraq	484.2	480.8	453.2	456.6	513.2	12.4
Gasoline	na	na	59.9	60.1	71.8	19.3
Kerosene	na	na	46.7	47.8	51.5	7.9
Distillates	na	na	83.7	85.5	102.2	19.5
Residuals	na	na	209.5	210.9	246.5	16.9
Others	na	na	53.3	52.2	41.2	-21.0
Kuwait	886.7	877.4	1,003.2	892.7	979.4	9.7
Gasoline	65.7	59.3	54.2	55.7	54.9	-1.5
Kerosene	169.1	182.5	171.8	182.6	182.6	-
Distillates	295.7	249.1	243.3	300.6	243.5	-19.0
Residuals	180.5	192.5	184.8	144.4	204.8	41.8
Others	175.7	194.0	349.1	209.4	293.7	40.2

Table 3.13

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
Libya	468.3	497.0	362.7	350.0	545.8	55.9
Gasoline	18.4	19.5	18.2	17.6	16.2	-7.8
Kerosene	31.8	32.8	34.3	41.9	43.3	3.3
Distillates	87.7	87.8	84.4	89.4	96.4	7.9
Residuals	136.1	134.0	141.2	131.3	141.1	7.5
Others	194.2	222.9	84.6	69.9	248.8	256.2
Nigeria	369.4	378.7	372.2	249.4	249.4	-
Gasoline	na	na	56.2	10.5	23.9	127.6
Kerosene	na	na	26.9	8.3	13.7	66.2
Distillates	na	na	21.3	22.9	20.6	-9.8
Residuals	na	na	0.4	23.1	24.1	4.3
Others	na	na	267.4	184.7	167.1	-9.6
Qatar	131.8	131.8	126.2	126.3	133.0	5.3
Gasoline	39.7	45.7	44.6	40.7	44.5	9.4
Kerosene	24.4	24.0	24.2	22.8	24.6	7.9
Distillates	20.6	21.0	24.3	31.8	27.5	-13.7
Residuals	13.6	7.8	3.9	4.2	4.8	14.3
Others	33.4	33.3	29.3	26.8	31.6	17.9
Saudi Arabia	1,960.1	1,873.6	1,970.9	1,911.0	1,914.0	0.2
Gasoline	281.0	351.7	338.8	355.1	375.6	5.8
Kerosene	211.9	184.3	190.4	174.0	168.2	-3.3
Distillates	662.4	653.4	676.1	623.8	633.5	1.5
Residuals	495.9	477.8	476.5	497.6	445.4	-10.5
Others	308.9	206.3	289.2	260.5	291.3	11.8
United Arab Emirates	423.8	393.0	395.9	314.9	355.4	12.9
Gasoline	61.2	54.6	50.6	35.6	43.1	21.0
Kerosene	117.0	107.5	106.4	97.0	101.7	4.8
Distillates	90.5	86.7	86.0	73.1	79.5	8.8
Residuals	21.4	20.1	16.5	15.3	15.9	3.9
Others	133.7	124.1	136.5	93.9	115.2	22.6
Venezuela	1,079.7	1,056.2	1,142.7	1,232.4	1,414.8	14.8
Gasoline	288.6	298.1	309.3	307.5	297.8	-3.2
Kerosene	79.1	81.4	78.7	79.2	74.8	-5.6
Distillates	307.5	274.8	316.5	339.2	257.2	-24.2
Residuals	252.0	216.3	286.4	308.8	256.3	-17.0
Others	152.6	185.7	151.9	197.7	528.7	167.5

Notes: Totals may not add up due to independent rounding. Data may include production of gas plants, GTL and condensate refineries. Totals are calculated using 1,000 barrels daily figures. Annual changes are calculated using 1,000 barrels per annum figures.

Table 3.14

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	19,960.4	20,051.0	19,977.6	19,806.6	19,815.6	-
Canada	2,055.1	2,095.1	2,006.4	1,944.1	1,947.1	0.2
United States	17,905.3	17,955.9	17,971.2	17,862.5	17,868.4	-
Latin America	7,320.1	7,263.9	7,605.6	7,786.5	7,980.6	2.5
Argentina	627.4	671.8	673.4	612.7	620.1	1.2
Brazil	1,913.7	1,754.3	1,941.9	1,952.3	1,956.7	0.2
Ecuador	133.0	170.2	194.3	189.3	185.1	-2.2
Mexico	1,474.0	1,457.0	1,434.1	1,514.9	1,516.7	0.1
Venezuela	1,079.7	1,056.2	1,142.7	1,232.4	1,414.8	14.8
Virgin Islands	446.9	452.0	457.7	462.9	463.0	-
Others	1,645.4	1,702.4	1,761.4	1,821.9	1,824.1	0.1
Eastern Europe	7,175.0	7,414.3	7,676.3	8,036.6	8,055.9	0.2
Bulgaria	150.8	150.5	149.8	138.3	145.0	4.9
Romania	306.7	290.5	287.3	253.7	256.5	1.1
Russia	5,869.7	6,108.5	6,357.1	6,425.1	6,428.8	0.1
Others	847.9	864.8	882.0	1,219.6	1,225.6	0.5
Western Europe	14,851.3	14,761.0	15,289.7	13,796.0	13,834.7	0.3
Belgium	747.3	785.8	815.0	691.3	695.3	0.6
France	1,808.8	1,789.9	1,846.3	1,659.0	1,662.8	0.2
Germany	2,485.3	2,450.8	2,534.8	2,257.8	2,259.1	0.1
Italy	1,965.7	2,024.8	2,093.2	1,754.3	1,759.6	0.3
Netherlands	1,721.6	1,546.5	1,606.2	1,414.6	1,414.9	-
Norway	338.3	337.0	348.2	312.6	317.0	1.4
Portugal	290.0	270.0	278.8	225.9	228.4	1.1
Spain	1,240.3	1,210.2	1,250.3	1,186.8	1,193.6	0.6
United Kingdom	1,677.9	1,671.4	1,740.1	1,547.3	1,548.4	0.1
Others	2,576.2	2,674.7	2,776.9	2,746.4	2,755.4	0.3
Middle East	6,387.5	6,334.2	6,643.1	6,522.8	6,652.8	2.0
IR Iran	1,447.9	1,498.0	1,587.0	1,726.1	1,743.3	1.0
Iraq	484.2	480.8	453.2	456.6	513.2	12.4
Kuwait	886.7	877.4	1,003.2	892.7	979.4	9.7
Qatar	131.8	131.8	126.2	126.3	133.0	5.3
Saudi Arabia	1,960.1	1,873.6	1,970.9	1,911.0	1,914.0	0.2
United Arab Emirates	423.8	393.0	395.9	400.4	355.4	-11.2
Others	1,053.0	1,079.5	1,106.7	1,009.7	1,014.6	0.5
Africa	2,887.6	3,067.2	2,965.2	2,544.2	2,975.0	16.9
Algeria	451.2	501.8	516.5	411.6	631.5	53.4
Angola	49.8	60.6	47.8	46.2	47.0	1.7
Egypt	500.4	553.9	558.8	479.8	480.9	0.2
Gabon	17.5	17.8	18.1	13.4	18.0	34.4
Libya	468.3	497.0	362.7	350.0	545.8	55.9
Nigeria	369.4	378.7	372.2	249.4	249.4	-
Others	1,031.0	1,057.3	1,089.2	993.8	1,002.3	0.9
Asia and Pacific	21,505.6	22,477.4	22,883.6	22,934.0	22,989.9	0.2
Australia	631.7	686.6	667.2	657.8	661.0	0.5
China	6,137.3	6,627.8	6,962.8	7,542.3	7,548.6	0.1
India	2,784.6	3,026.7	3,171.2	3,161.2	3,166.9	0.2
Indonesia	1,053.5	1,213.2	1,184.1	1,184.1	1,190.7	0.6
Japan	4,397.6	4,338.2	4,262.0	3,956.8	3,963.8	0.2
Philippines	205.3	205.3	184.1	146.7	152.6	4.1
Singapore	1,025.8	1,062.7	1,106.8	1,054.8	1,056.1	0.1
South Korea	2,613.7	2,600.5	2,567.8	2,498.8	2,499.1	-
New Zealand	106.8	102.5	107.2	105.0	113.9	8.5
Taiwan	1,001.6	1,011.2	1,002.3	1,035.2	1,044.7	0.9
Others	1,548.0	1,602.8	1,668.1	1,591.4	1,592.4	0.1
Total world	80,087.5	81,368.9	83,041.0	81,426.7	82,304.5	1.1
<i>of which</i>						
OPEC	7,886	7,919	8,173	7,992	8,712	9.0
<i>OPEC percentage</i>	9.8	9.7	9.8	9.8	10.6	
OECD	44,677	44,459	43,960	42,519	44,358	4.3
FSU	6,461	6,655	6,983	7,019	7,024	0.1

Notes: Totals may not add up due to independent rounding. Revisions have been made throughout the time series. Data exclude production of gas plants. Annual changes and shares of totals are calculated using 1,000 barrels per annum figures.

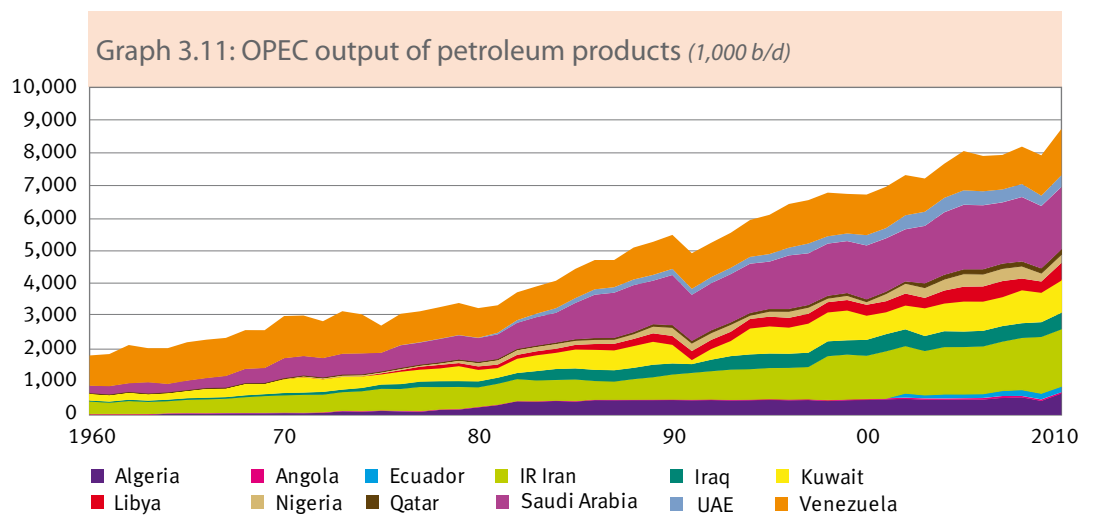
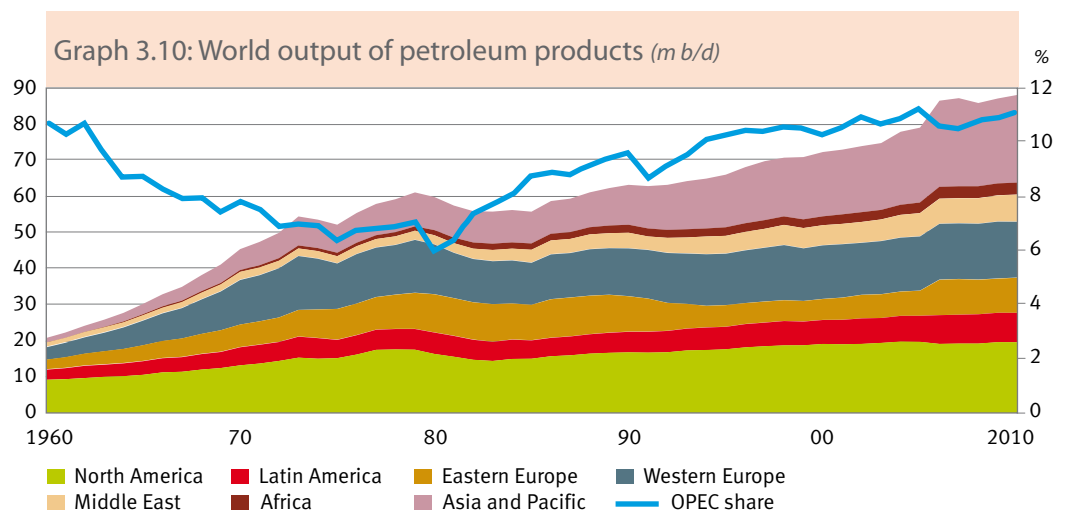
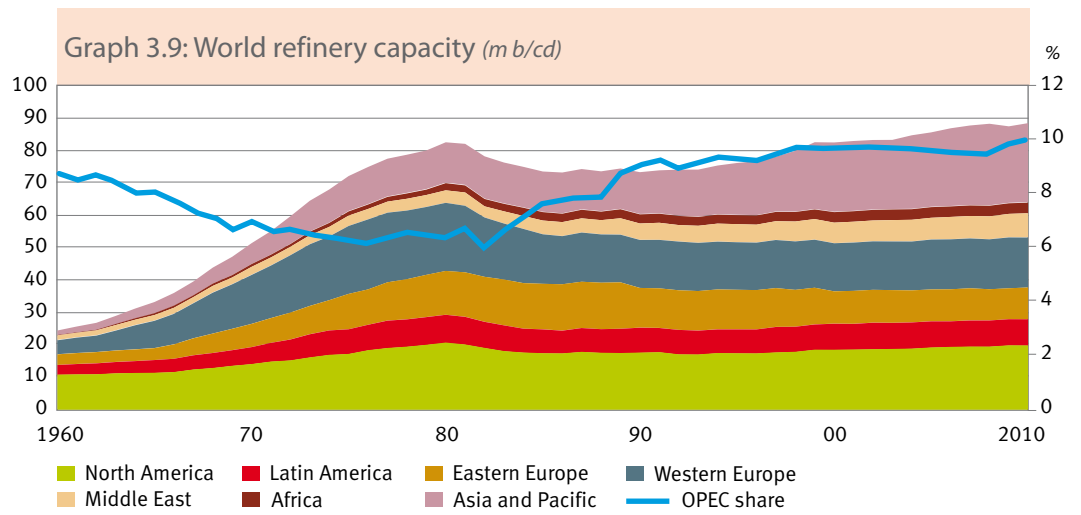


Table 3.15

Oil and gas data

Consumption of petroleum products by type in OPEC Members (1,000 b/d)

	2006	2007	2008	2009	2010	% change 10/09
Algeria	255.2	277.6	299.6	309.8	337.7	9.0
Gasoline	49.3	48.3	52.4	54.7	68.3	24.8
Kerosene	8.0	8.1	8.9	9.6	9.9	3.8
Distillates	124.4	144.4	158.9	163.2	183.2	12.3
Residuals	0.5	0.5	0.4	0.5	0.4	-11.5
Others	73.0	76.3	79.0	81.9	75.8	-7.4
Angola	94.1	96.9	102.1	103.2	110.0	6.6
Gasoline	22.4	23.2	24.7	24.8	26.5	6.6
Kerosene	9.7	10.1	10.7	10.8	10.5	-2.7
Distillates	47.1	48.3	51.3	52.4	56.8	8.4
Residuals	7.3	7.8	7.9	7.3	7.5	3.4
Others	7.4	7.6	7.6	7.8	8.7	10.8
Ecuador	164.2	174.5	181.3	205.4	220.0	7.1
Gasoline	32.1	34.2	36.7	39.3	42.4	7.9
Kerosene	7.5	7.8	7.3	7.5	7.5	0.2
Distillates	58.3	60.7	64.5	74.3	84.4	13.7
Residuals	25.6	26.2	24.5	32.6	32.3	-0.7
Others	40.8	45.6	48.4	51.8	53.2	2.8
IR Iran	1598.6	1680.1	1776.1	1795.2	1775.0	-1.1
Gasoline	383.1	389.4	414.4	423.1	399.6	-5.6
Kerosene	142.5	148.0	159.3	159.0	158.3	-0.4
Distillates	513.3	534.0	551.7	560.0	547.5	-2.2
Residuals	296.3	337.0	368.7	370.3	381.5	3.0
Others	263.4	271.7	282.0	282.8	288.2	1.9
Iraq	516.3	490.0	497.1	533.9	565.6	5.9
Gasoline	87.8	92.1	94.8	99.3	115.2	16.1
Kerosene	58.1	46.4	48.5	51.5	52.2	1.3
Distillates	107.0	109.6	108.5	108.8	109.9	0.9
Residuals	132.0	111.9	92.4	119.4	133.1	11.5
Others	131.4	130.1	153.0	154.8	155.2	0.2
Kuwait	241.3	251.8	263.8	252.8	260.4	3.0
Gasoline	51.8	53.5	55.2	56.9	62.9	10.6
Kerosene	12.7	13.9	15.7	17.4	17.7	2.1
Distillates	31.6	39.3	42.2	55.3	57.6	4.1
Residuals	139.2	138.3	143.7	117.0	116.0	-0.8
Others	6.2	6.9	7.1	6.4	6.2	-3.3
Libya	228.7	231.9	251.5	271.2	299.0	10.2
Gasoline	56.7	60.1	64.7	66.8	75.9	13.7
Kerosene	13.6	13.2	11.6	12.3	13.8	12.6
Distillates	77.0	78.9	88.8	104.9	115.5	10.1
Residuals	44.8	39.7	42.1	49.7	55.6	11.9
Others	36.7	40.1	44.2	37.5	38.1	1.6

Table 3.15

Oil and gas data

Consumption of petroleum products by type in OPEC Members (1,000 b/d)

	2006	2007	2008	2009	2010	% change 10/09
Nigeria	232.3	211.9	235.3	225.3	258.7	14.8
Gasoline	156.2	142.4	163.0	168.2	187.5	11.5
Kerosene	36.2	35.4	34.8	25.3	30.6	21.0
Distillates	30.6	24.5	26.0	24.1	31.7	31.6
Residuals	4.2	5.0	6.9	3.1	4.1	31.8
Others	5.1	4.5	4.6	4.6	4.8	4.7
Qatar	82.2	93.2	101.3	105.7	116.3	10.0
Gasoline	19.1	20.6	22.3	24.7	25.1	1.7
Kerosene	16.8	17.0	18.4	19.7	24.9	26.8
Distillates	23.9	32.2	36.3	36.3	38.9	6.9
Residuals	–	–	–	–	–	–
Others	22.5	23.5	24.3	25.1	27.4	9.4
Saudi Arabia	1258.3	1345.3	1440.3	1405.3	1435.7	2.2
Gasoline	315.9	347.2	373.5	397.6	414.7	4.3
Kerosene	55.9	57.8	61.8	60.9	63.7	4.5
Distillates	503.9	532.3	577.8	605.0	618.9	2.3
Residuals	278.1	299.3	311.4	228.1	224.0	–1.8
Others	104.5	108.7	115.8	113.7	114.4	0.6
United Arab Emirates	213.9	224.1	233.3	235.1	238.2	1.3
Gasoline	79.0	83.5	86.9	91.3	93.1	2.0
Kerosene	4.0	4.2	4.5	4.4	4.6	3.8
Distillates	91.4	95.9	98.8	96.1	97.0	1.0
Residuals	20.6	21.1	22.0	22.1	21.6	–2.2
Others	18.9	19.4	21.0	21.2	21.9	3.3
Venezuela	569.6	604.2	637.9	667.9	675.4	1.1
Gasoline	256.9	274.0	286.9	289.9	290.0	–
Kerosene	5.2	5.6	5.4	5.7	6.5	13.9
Distillates	132.3	136.6	148.5	152.2	167.8	10.2
Residuals	44.5	41.2	34.1	54.0	51.3	–4.9
Others	130.6	146.9	163.1	166.1	159.9	–3.7
OPEC	5454.7	5681.5	6019.8	6110.9	6291.9	3.0
Gasoline	1510.3	1568.5	1675.5	1736.6	1801.1	3.7
Kerosene	369.9	367.4	386.9	384.1	400.4	4.2
Distillates	1740.8	1836.6	1953.3	2032.6	2109.1	3.8
Residuals	993.2	1027.8	1054.1	1004.0	1027.6	2.4
Others	840.5	881.2	950.1	953.7	953.8	–

Notes: Revisions have been made throughout the time series.

Table 3.16

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	22,613.4	22,642.1	21,377.6	20,586.8	21,114.9	2.6
Canada	2,208.7	2,261.6	2,197.9	2,108.7	2,188.1	3.8
United States	20,402.1	20,377.8	19,177.1	18,475.5	18,924.2	2.4
Others	2.7	2.7	2.6	2.6	2.6	2.3
Latin America	7,014.4	7,355.8	7,548.8	7,583.1	7,836.3	3.3
Argentina	501.3	550.1	562.9	565.9	589.7	4.2
Brazil	2,167.4	2,288.5	2,423.9	2,473.7	2,616.6	5.8
Colombia	236.4	247.2	250.3	252.7	254.5	0.7
Ecuador	164.2	174.5	181.3	205.4	220.0	7.1
Mexico	2,086.5	2,150.6	2,120.0	2,056.9	2,113.1	2.7
Venezuela	569.6	604.2	637.9	667.9	675.4	1.1
Others	1,289.0	1,340.7	1,372.4	1,360.6	1,367.0	0.5
Eastern Europe	4,997.1	5,096.2	5,169.2	5,018.5	5,154.1	2.7
Czech Republic	207.6	206.6	206.6	201.7	191.9	-4.9
Hungary	161.9	159.9	157.9	155.9	145.0	-7.0
Kazakhstan	217.4	243.8	229.5	225.6	239.4	6.1
Poland	490.8	511.4	523.2	524.1	549.6	4.9
Romania	214.9	222.3	219.1	192.3	191.6	-0.3
Russia	2,658.0	2,653.9	2,743.6	2,694.9	2,822.2	4.7
Slovakia	58.9	61.9	64.2	58.9	61.9	5.1
Ukraine	305.7	324.7	326.3	322.6	331.8	2.8
Others	681.7	711.6	698.8	642.4	620.7	-3.4
Western Europe	14,768.9	14,457.5	14,290.6	13,542.3	13,453.4	-0.7
France	1,879.0	1,867.7	1,835.6	1,725.1	1,711.9	-0.8
Germany	2,668.0	2,446.0	2,527.2	2,434.1	2,466.8	1.3
Italy	1,703.8	1,650.0	1,596.2	1,493.6	1,469.2	-1.6
Netherlands	678.5	734.2	702.9	690.0	696.8	1.0
Spain	1,406.3	1,426.7	1,370.0	1,298.3	1,275.2	-1.8
United Kingdom	1,614.8	1,555.7	1,547.6	1,492.1	1,455.4	-2.5
Others	4,818.7	4,777.3	4,711.0	4,409.1	4,378.0	-0.7
Middle East	4,820.0	5,035.1	5,297.3	5,345.7	5,440.9	1.8
IR Iran	1,598.6	1,680.1	1,776.1	1,795.2	1,775.0	-1.1
Iraq	516.3	490.0	497.1	533.9	565.6	5.9
Kuwait	241.3	251.8	263.8	252.8	260.4	3.0
Qatar	82.2	93.2	101.3	105.7	116.3	10.0
Saudi Arabia	1,258.3	1,345.3	1,440.3	1,405.3	1,435.7	2.2
Syrian Arab Republic	263.1	280.2	292.1	300.5	308.0	2.5
United Arab Emirates	213.9	224.1	233.3	235.1	238.2	1.3
Others	646.3	670.3	693.1	717.2	741.7	3.4
Africa	2,255.5	2,328.9	2,471.9	2,522.0	2,634.7	4.5
Algeria	255.2	277.6	299.6	309.8	337.7	9.0
Angola	94.1	96.9	102.1	103.2	110.0	6.6
Egypt	617.9	634.7	663.2	675.8	670.7	-0.7
Libya	228.7	231.9	251.5	271.2	299.0	10.2
Nigeria	232.3	211.9	235.3	225.3	258.7	14.8
Tunisia	82.2	83.5	79.0	80.2	80.8	0.7
Others	745.1	792.4	841.2	856.5	877.9	2.5
Asia and Pacific	23,017.5	23,577.8	23,665.5	23,758.0	24,678.4	3.9
Australia	926.3	938.3	951.2	943.2	955.2	1.3
China	6,764.4	7,105.1	7,497.9	7,759.4	8,423.7	8.6
India	2,712.6	2,899.7	2,972.3	3,139.1	3,182.4	1.4
Indonesia	1,151.3	1,141.7	1,163.6	1,210.0	1,228.9	1.6
Japan	5,210.8	5,049.4	4,799.7	4,377.7	4,432.8	1.3
New Zealand	152.9	153.9	152.0	152.0	151.0	-0.6
South Korea	2,125.4	2,184.9	2,088.4	2,130.3	2,192.7	2.9
Thailand	764.2	771.0	744.6	748.4	759.1	1.4
Others	3,209.5	3,333.8	3,295.8	3,297.7	3,352.7	1.7
Total world	79,486.7	80,493.2	79,821.0	78,356.4	80,312.7	2.5
<i>of which</i>						
OPEC	5,454.7	5,681.5	6,019.8	6,110.9	6,291.9	3.0
<i>OPEC percentage</i>	6.9	7.1	7.5	7.8	7.8	0.5
OECD	47,412.1	47,165.5	45,434.8	43,442.4	44,105.1	1.5
FSU	3,730.1	3,804.8	3,869.5	3,749.9	3,908.8	4.2

Notes: Revisions have been made throughout the time series.

OPEC Members' crude oil exports by destination (1,000 b/d), 2010

	Total world	Europe	North America	Asia and Pacific	Latin America	Africa	Middle East
Middle East							
IR Iran	2,583	878	–	1,571	–	134	–
Iraq	1,890	438	492	951	–	–	10
Kuwait	1,430	62	127	1,199	–	42	–
Qatar	587	–	10	577	–	–	–
Saudi Arabia	6,644	658	1,212	4,260	67	148	294
United Arab Emirates	2,103	3	40	2,011	–	49	1
North Africa							
Algeria	709	155	412	138	4	–	–
Libya	1,118	788	47	131	29	15	–
Africa							
Nigeria	2,464	744	1,623	91	–	–	–
Angola	1,683	190	602	371	–	–	–
Latin America							
Ecuador	339	–	173	21	144	–	–
Venezuela	1,562	43	362	226	417	–	–
OPEC	23,112	3,958	5,100	11,546	661	389	305

Notes: Totals may not add up due to independent rounding.
Includes exports of lease condensates, changes in the quantity of oil in transit, movements not otherwise shown, unspecified use, etc.

Graph 3.12: OPEC Members' crude oil exports by destination, 2010 (1,000 b/d)

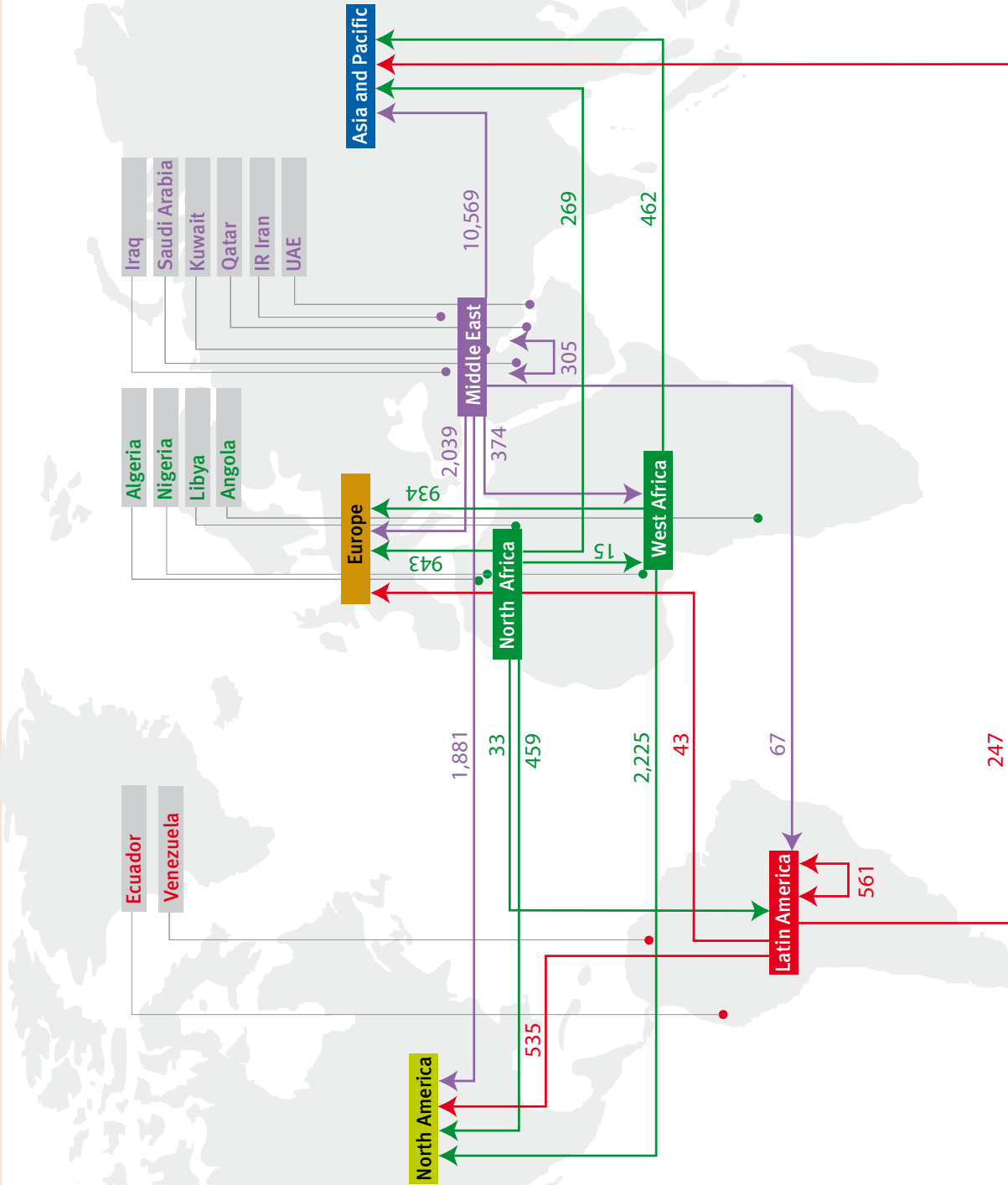


Table 3.18

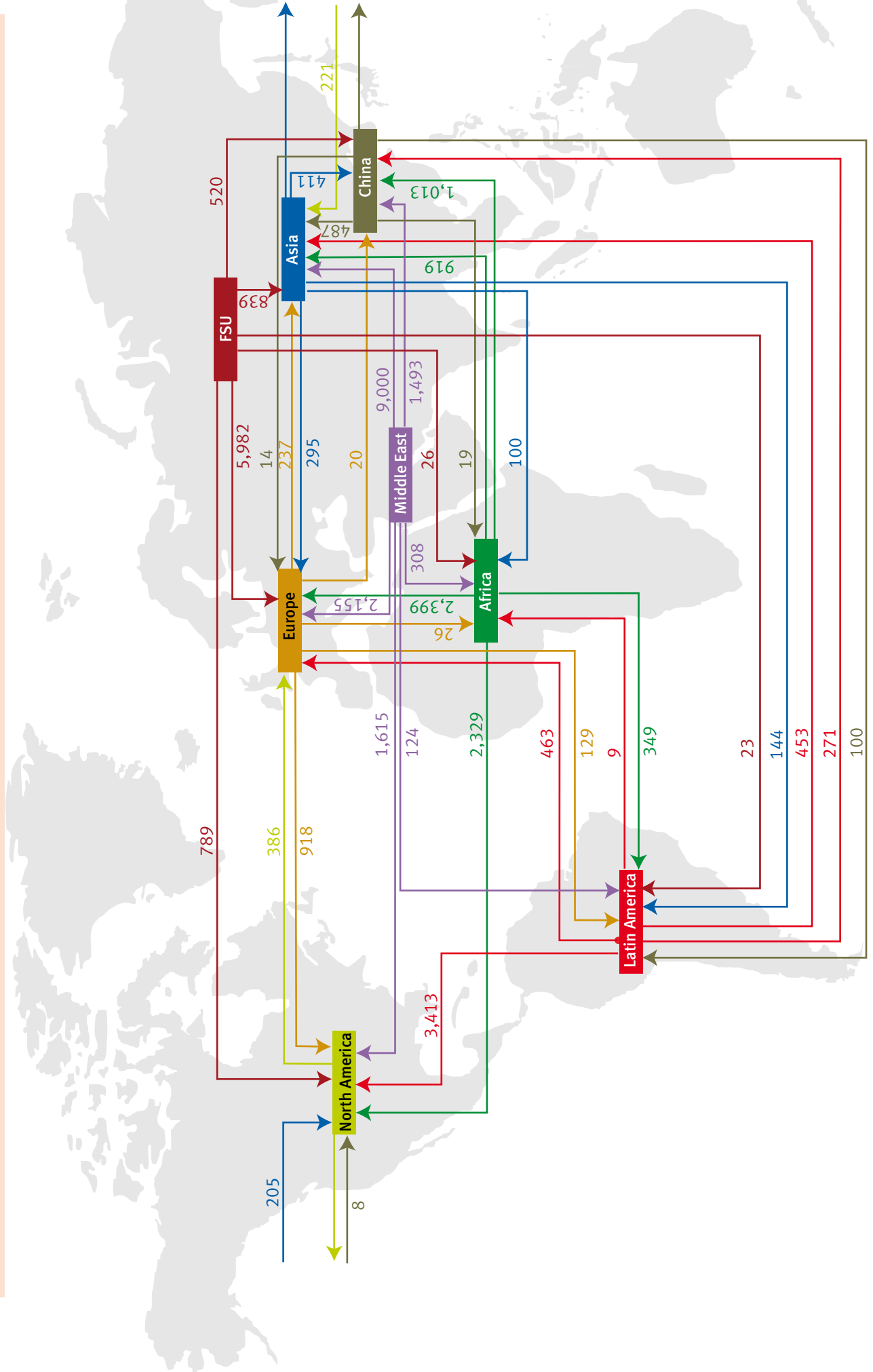
Oil and gas data

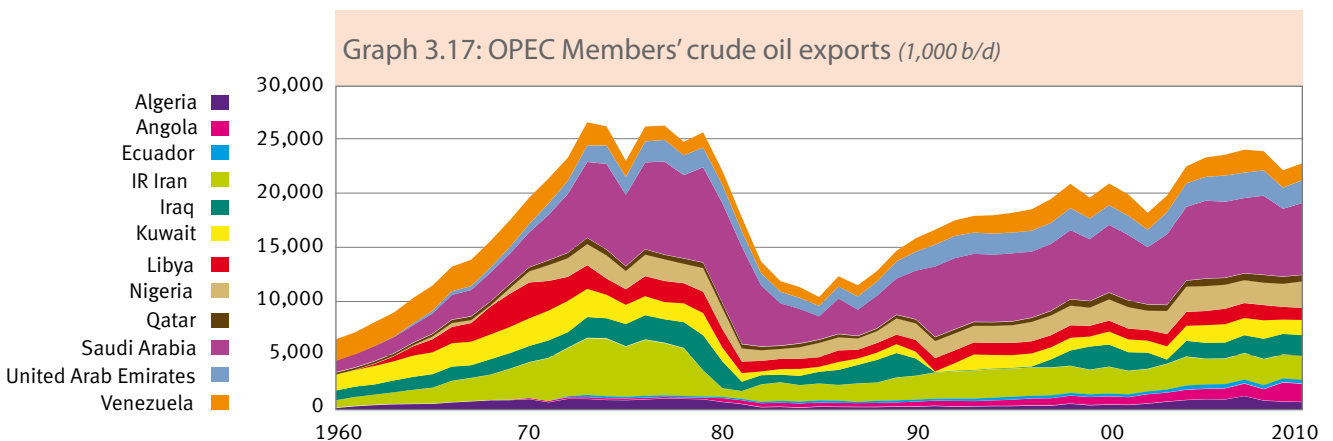
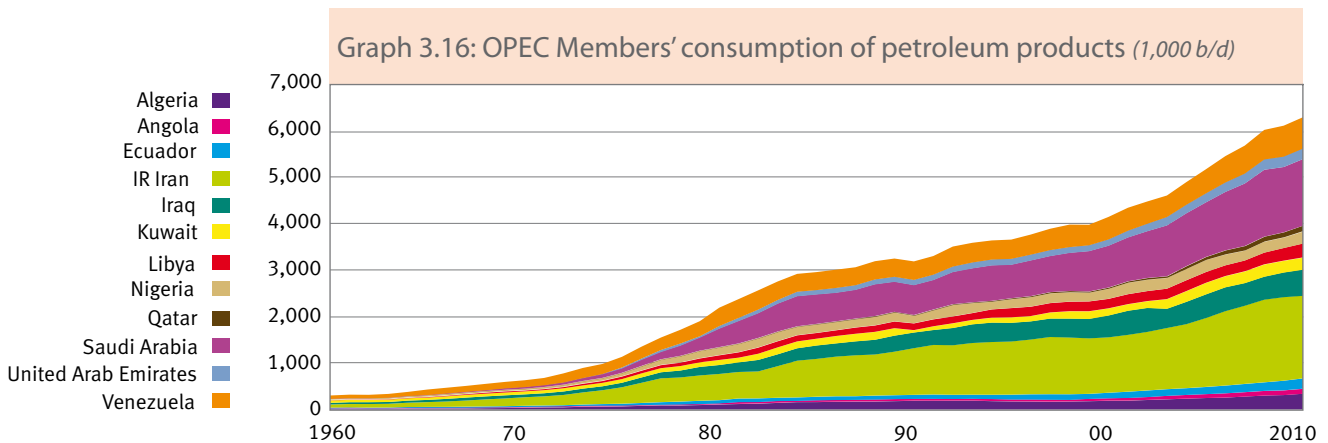
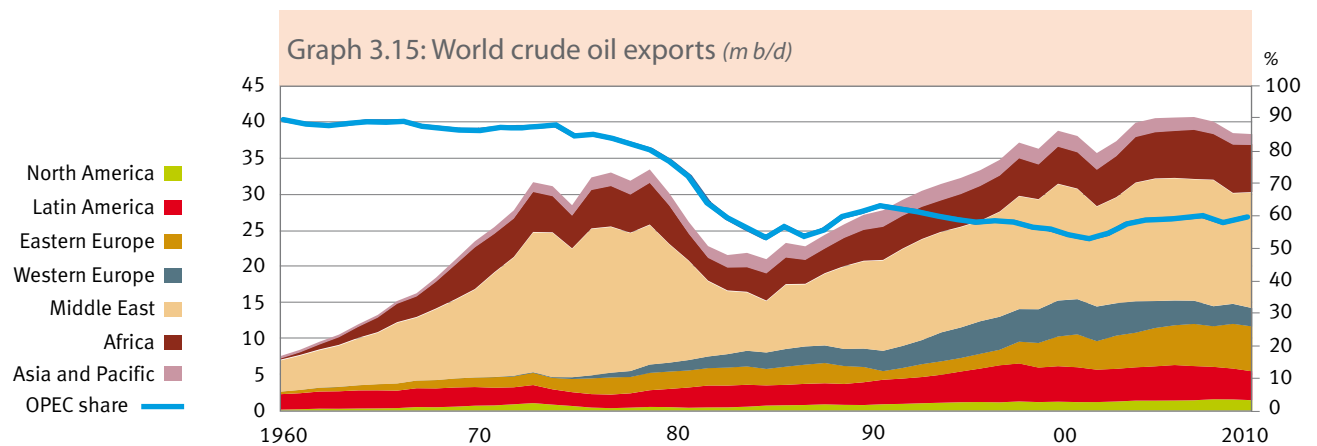
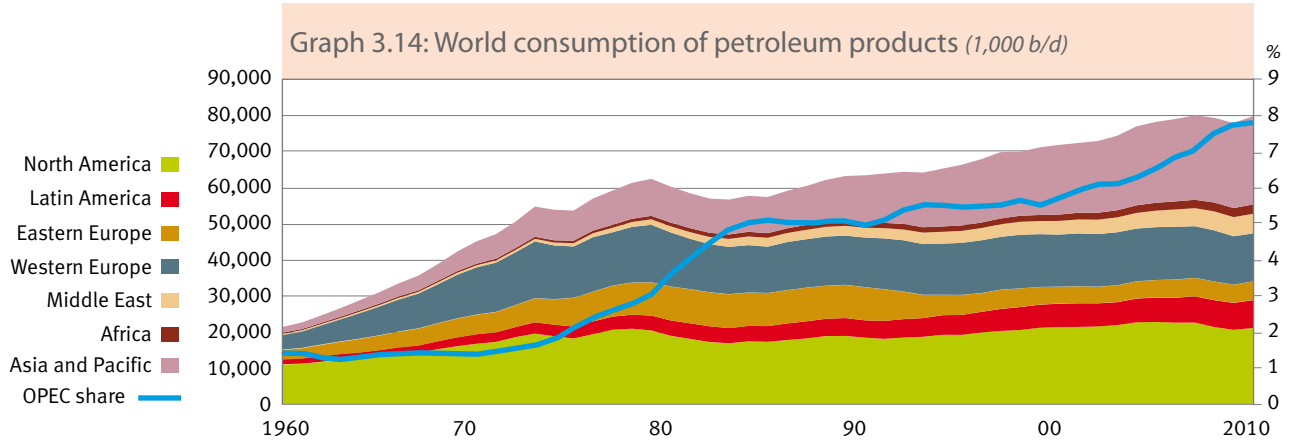
World crude oil exports by country (1,000 b/d)

	2006	2007	2008	2009	2010	% change 10/09
North America	1,393	1,422	1,564	1,535	1,431	-6.7
Canada	1,373	1,401	1,525	1,491	1,388	-6.9
United States	21	21	39	44	44	-
Latin America	4,900	4,727	4,479	4,271	4,203	-1.6
Columbia	234	244	346	358	482	34.6
Ecuador	376	342	348	329	340	3.3
Mexico	2,048	1,738	1,446	1,312	1,459	11.2
Trinidad & Tobago	71	26	10	9	44	377.4
Venezuela	1,919	2,116	1,770	1,608	1,562	-2.9
Others	252	262	559	655	316	-51.8
Eastern Europe	5,543	5,879	5,658	6,230	5,632	-9.6
Russia	4,924	5,264	5,046	5,608	5,609	-
Others	19	14	12	22	23	3.5
Western Europe	3,443	3,222	2,786	2,775	2,451	-11.7
Norway	2,210	2,012	1,702	1,773	1,605	-9.5
United Kingdom	928	933	840	776	741	-4.5
Others	306	277	243	226	105	-53.6
Middle East	17,077	16,948	17,575	15,498	16,322	5.3
IR Iran	2,561	2,639	2,574	2,406	2,583	7.4
Iraq	1,468	1,643	1,855	1,906	1,890	-0.8
Kuwait	1,723	1,613	1,739	1,348	1,430	6.0
Oman	769	683	593	574	745	29.9
Qatar	620	615	703	647	586	-9.3
Saudi Arabia	7,029	6,962	7,322	6,268	6,644	6.0
Syrian Arab Republic	248	250	253	250	149	-40.4
United Arab Emirates	2,420	2,343	2,334	1,953	2,103	7.7
Others	238	200	203	147	191	-100.0
Africa	6,583	6,883	6,397	6,771	6,613	-2.3
Algeria	947	1,253	841	747	709	-5.2
Angola	1,010	1,158	1,044	1,770	1,683	-4.9
Cameroon	97	99	99	89	79	-12.1
Congo	238	239	240	216	180	-16.6
Egypt	57	44	98	102	87	-14.7
Gabon	204	207	209	188	158	-16.1
Libya	1,426	1,378	1,403	1,170	1,118	-4.5
Nigeria	2,248	2,144	2,098	2,160	2,464	14.1
Others	356	361	364	327	136	-58.6
Asia and Pacific	1,877	1,791	1,743	1,613	1,506	-6.6
Australia	235	239	239	248	314	26.5
Brunei	201	182	164	152	161	6.0
China	126	76	107	104	40	-61.2
Indonesia	301	319	294	250	356	42.3
Malaysia	391	401	402	372	369	-0.7
Vietnam	365	276	206	202	153	-24.3
Others	259	298	330	284	112	-60.5
Total world	40,817	40,873	40,202	38,693	38,158	-1.4
<i>of which</i>						
OPEC	23,749.4	24,205.1	24,031.7	22,312.7	23,112.1	3.6
<i>OPEC percentage</i>	<i>58.2</i>	<i>59.2</i>	<i>59.8</i>	<i>57.7</i>	<i>60.6</i>	
OECD	5,578	5,372	5,048	5,013	4,772	-4.8
FSU	5,342	5,622	5,471	6,011	6,061	0.8

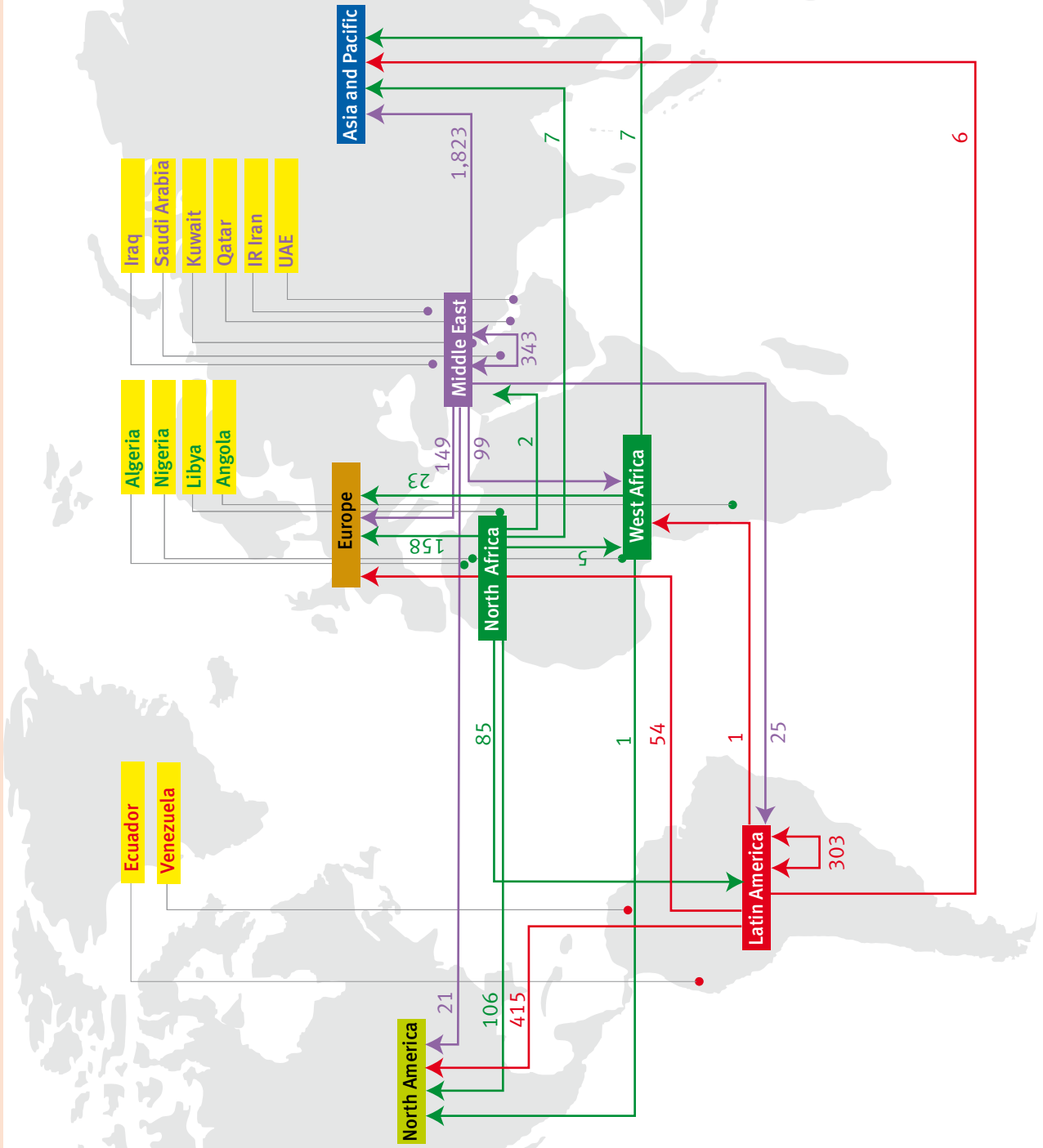
Notes: Revisions have been made throughout the time series. Data includes exports of lease condensates, re-exports, changes in the quantity of oil in transit, movements not otherwise shown, unspecified use, etc.

Graph 3.13: World crude oil exports by destination, 2010 (1,000 b/d)





Graph 3.18: OPEC Members' petroleum products by destination, 2010 (1,000 b/d)



OPEC Members' petroleum products exports by destination, 2010 (1,000 b/d)

	Total world ¹	Europe	North America	Asia and Pacific	Latin America	Africa	Middle East
Middle East							
IR Iran	371	–	–	367	–	1	–
Iraq	5	–	–	–	–	–	–
Kuwait	632	49	1	582	–	–	–
Qatar	322	28	4	290	–	–	–
Saudi Arabia	951	71	15	552	15	93	205
United Arab Emirates	188	1	1	32	10	6	138
North Africa							
Algeria	314	119	105	6	83	–	1
Libya	47	39	1	1	2	5	1
West Africa							
Angola	8	–	1	7	–	–	–
Nigeria	23	23	–	–	–	–	–
Latin America							
Ecuador	28	–	2	–	26	–	–
Venezuela	750	54	413	6	277	1	–
OPEC	3,640	384	543	1,842	413	105	345

Notes:

1. Includes changes in the quantity of oil in transit, movements not otherwise shown, unspecified use, etc.

Table 3.20

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	1,633.3	1,673.0	2,086.3	2,220.8	2,473.8	11.4
Canada	463.3	443.1	444.8	431.1	410.9	-4.7
United States	1,169.8	1,229.8	1,641.4	1,789.6	2,062.9	15.3
Others	0.1	0.1	0.1	0.1	0.1	0.0
Latin America	2,229.8	2,299.4	2,510.3	2,424.9	2,144.2	-11.6
Brazil	179.8	192.8	162.8	154.8	124.4	-19.6
Ecuador	34.5	40.0	42.2	33.5	28.1	-16.3
Mexico	228.0	221.4	243.5	218.8	209.2	-4.4
Netherland Antilles	224.2	229.6	231.5	201.5	203.5	1.0
Trinidad & Tobago	133.0	104.4	94.2	78.2	61.1	-21.9
Venezuela	598.5	638.8	912.3	955.8	751.1	-21.4
Virgin Islands	410.3	419.0	421.3	394.3	367.3	-6.8
Others	421.5	453.4	402.6	388.1	399.7	3.0
Eastern Europe	2,113.5	2,015.4	1,450.0	1,613.3	2,623.9	62.6
Romania	68.6	95.3	101.4	196.0	75.5	-61.5
Russia	1,864.0	1,729.5	1,126.9	1,220.9	2,243.3	83.7
Others	180.9	190.6	221.7	196.3	305.0	55.4
Western Europe	5,781.5	5,679.5	5,679.3	5,544.6	5,842.4	5.4
Belgium	432.4	429.5	400.3	343.1	339.1	-1.2
France	535.0	530.8	570.7	465.6	445.8	-4.3
Germany	556.7	571.8	516.9	454.0	362.6	-20.1
Italy	501.6	584.8	527.4	427.3	558.8	30.8
Netherlands	1,789.0	1,565.3	1,644.6	1,912.5	2,106.4	10.1
United Kingdom	579.5	611.1	560.8	521.3	543.3	4.2
Others	1,387.3	1,386.4	1,458.5	1,420.8	1,486.5	4.6
Middle East	3,450.8	3,199.3	2,959.8	3,000.6	2,844.3	-5.2
Bahrain	246.3	253.2	237.9	222.3	230.6	3.7
IR Iran	461.6	388.3	274.9	300.8	370.6	23.2
Iraq	56.3	65.6	84.9	26.2	5.0	-80.8
Kuwait	749.5	739.1	707.9	673.5	631.6	-6.2
Qatar	81.1	73.9	97.8	249.3	321.6	29.0
Saudi Arabia	1,277.6	1,138.8	1,058.3	1,008.4	950.9	-5.7
United Arab Emirates	452.8	407.7	359.0	374.1	187.9	-49.8
Others	125.6	132.7	139.1	146.1	146.1	-
Africa	1,025.8	1,077.0	1,010.5	755.1	558.6	-26.0
Algeria	435.1	451.3	456.7	232.5	314.1	35.1
Angola	14.2	26.6	40.7	40.8	7.5	-81.6
Egypt	68.4	64.7	67.0	63.6	29.2	-54.1
Gabon	7.3	7.4	7.4	6.1	4.8	-21.2
Libya	183.1	198.4	156.7	136.1	48.3	-64.5
Nigeria	50.3	53.4	19.2	12.1	23.1	91.9
Others	267.5	275.2	262.8	263.8	131.5	-50.2
Asia and Pacific	3,910.3	4,262.9	5,055.4	5,291.0	5,321.8	0.6
Australia	84.3	63.9	50.2	49.4	42.8	-13.5
China	323.2	313.3	455.6	522.8	582.8	11.5
Indonesia	225.7	106.9	102.8	82.5	84.7	2.7
Japan	203.6	287.1	405.8	391.0	368.5	-5.8
Malaysia	238.4	247.9	189.3	286.0	303.1	6.0
Singapore	1,167.3	1,474.5	1,623.4	1,766.0	1,767.3	0.1
Others	1,667.7	1,769.3	2,228.5	2,193.3	2,257.3	2.9
Total world	20,145.0	20,206.7	20,751.5	20,850.2	21,808.9	4.6
<i>of which</i>						
OPEC	4,394.4	4,222.0	4,210.5	4,043.0	3,639.8	-10.0
<i>OPEC percentage</i>	<i>21.8</i>	<i>20.9</i>	<i>20.3</i>	<i>19.4</i>	<i>16.7</i>	<i>-13.9</i>
OECD	7,702.7	7,703.5	8,221.5	8,205.8	8,727.5	6.4
FSU	1,902.2	1,813.9	1,305.0	1,451.9	2,361.5	62.6

Notes: Revisions have been made throughout the time series. Data includes re-exports of petroleum products from gas plants. Annual changes and shares of totals are calculated using 1,000 barrels per annum figures. Includes changes in the quantity of petroleum products in transit, movements not otherwise shown, unspecified use, etc.

Table 3.21

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	3,026.6	3,095.1	3,650.4	3,755.7	3,905.3	4.0
Canada	1,836.1	1,844.3	1,970.2	1,922.3	1,798.6	-6.4
United States	1,190.4	1,250.7	1,680.1	1,833.3	2,106.6	14.9
Others	0.1	0.1	0.1	0.1	0.1	-
Latin America	7,130.1	7,026.6	6,989.0	6,704.0	6,346.8	-5.3
Ecuador	410.8	381.7	390.7	362.5	367.8	1.5
Mexico	2,275.7	1,959.8	1,689.3	1,530.5	1,667.9	9.0
Netherland Antilles	224.2	229.6	231.5	201.5	203.5	1.0
Trinidad & Tobago	204.0	130.4	104.5	87.4	105.2	20.3
Venezuela	2,517.8	2,754.4	2,681.9	2,571.9	2,386.0	-7.2
Virgin Islands	410.3	419.0	421.3	394.3	367.3	-6.8
Others	1,087.2	1,151.6	1,470.0	1,556.0	1,779.4	14.4
Eastern Europe	7,656.2	7,894.1	7,108.2	7,843.3	8,255.7	5.3
Russia	6,787.9	6,993.8	6,173.2	6,828.8	7,852.2	15.0
Others	868.3	900.4	935.1	1,014.6	1,020.5	0.6
Western Europe	9,224.7	8,901.8	8,464.8	8,319.1	8,293.4	-0.3
Belgium	432.4	429.5	400.3	343.1	339.1	-1.2
France	535.0	530.8	570.7	465.6	445.8	-4.3
Germany	556.7	571.8	516.9	454.0	362.6	-20.1
Italy	501.6	584.8	527.4	427.3	558.8	30.8
Netherlands	1,789.0	1,565.3	1,644.6	1,912.5	2,106.4	10.1
United Kingdom	1,507.4	1,544.3	1,400.6	1,296.8	1,284.1	-1.0
Others	3,902.6	3,675.5	3,404.3	3,419.8	3,296.6	-3.6
Middle East	20,528.3	20,147.6	20,535.0	18,370.3	19,166.6	4.3
Bahrain	246.3	253.2	237.9	222.3	230.6	3.7
IR Iran	3,022.6	3,027.3	2,848.9	2,706.8	2,953.6	9.1
Iraq	1,524.1	1,708.6	1,940.1	1,931.8	1,895.5	-1.9
Kuwait	2,472.9	2,352.0	2,446.4	2,021.8	2,061.2	1.9
Qatar	701.4	689.0	800.8	767.2	908.1	18.4
Saudi Arabia	8,306.9	8,100.9	8,380.0	7,275.9	7,594.9	4.4
United Arab Emirates	2,873.1	2,750.4	2,693.5	2,327.5	2,291.1	-1.6
Others	1,380.9	1,266.2	1,187.4	1,117.0	1,231.7	10.3
Africa	7,608.8	7,960.2	7,407.4	7,526.2	7,171.5	-4.7
Algeria	1,382.3	1,704.8	1,297.6	980.0	1,022.9	4.4
Angola	1,024.5	1,184.2	1,085.2	1,810.5	1,690.2	-6.6
Egypt	125.6	108.7	165.0	165.9	116.5	-29.8
Gabon	211.1	214.5	216.1	194.0	162.3	-16.3
Libya	1,608.7	1,576.2	1,560.0	1,306.5	1,166.2	-10.7
Nigeria	2,298.7	2,197.5	2,117.2	2,172.5	2,487.3	14.5
Others	957.9	974.2	966.3	896.9	526.0	-41.3
Asia and Pacific	5,786.9	6,053.8	6,798.9	6,903.7	6,827.7	-1.1
Australia	318.9	303.2	289.5	297.5	356.6	19.9
China	449.0	389.3	562.7	627.0	623.3	-0.6
Indonesia	527.0	426.2	396.9	332.8	356.3	7.0
Japan	203.6	287.1	405.8	391.0	368.5	-5.8
Malaysia	629.0	648.5	591.6	657.8	672.2	2.2
Singapore	1,167.3	1,474.5	26,489.5	1.6	1,767.3	0.1
Others	2,492.1	2,525.0	44.4	1.6	2,683.6	-5.2
Total world	60,961.5	61,079.2	60,953.7	59,422.4	59,966.9	0.9
<i>of which</i>						
OPEC	28,143.8	28,427.1	28,242.2	26,234.9	26,824.8	2.2
<i>OPEC percentage</i>	<i>46.2</i>	<i>46.5</i>	<i>46.3</i>	<i>44.1</i>	<i>44.7</i>	<i>1.3</i>
OECD	13,281.0	13,075.5	13,269.3	13,219.0	13,355.2	1.0
FSU	7,243.9	7,436.0	6,776.0	7,463.0	8,442.5	13.1

Notes: Revisions have been made throughout the time series. Annual changes and shares of totals are calculated using 1,000 barrels per annum figures. Data includes exports of lease condensates, re-exports of petroleum products from gas plants, changes in the quantity of oil and products in transit, movements not otherwise shown, unspecified use, etc.

Table 3.22

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	119,950	129,830	130,490	122,560	122,680	0.10
Canada	99,750	107,300	103,200	92,240	92,200	-0.04
United States	20,200	22,530	27,290	30,320	30,480	0.53
Latin America	34,060	34,560	32,810	32,430	35,670	9.99
Argentina	6,550	2,590	950	880	890	1.14
Bolivia	11,180	11,580	11,790	9,790	11,720	19.71
Colombia	-	100	1,500	1,800	1,800	-
Mexico	80	1,530	1,210	790	850	7.59
Trinidad & Tobago	16,250	18,760	17,360	19,170	20,410	6.47
Eastern Europe	308,160	303,390	315,360	255,220	282,030	10.50
Azerbaijan	-	1,280	5,380	5,860	5,950	1.54
Kazakhstan	8,000	640	800	-	-	-
Russia	237,910	231,830	237,300	207,660	223,360	7.56
Turkmenistan	46,340	52,400	55,800	29,900	30,740	2.81
Ukraine	2,100	2,600	1,000	-	-	-
Uzbekistan	13,810	14,640	15,080	11,800	21,980	86.27
Western Europe	169,290	168,730	185,780	180,320	191,400	6.14
Austria	330	130	-	-	-	-
Belgium	4,500	3,100	2,600	2,460	2,460	-
Denmark	4,970	4,400	5,450	4,010	3,540	-11.72
France	900	1,100	1,000	840	840	-
Germany	14,800	13,850	14,640	12,800	14,700	14.84
Italy	370	70	200	130	130	-
Netherlands	49,000	50,400	55,000	48,060	53,330	10.97
Norway	84,220	85,280	95,230	98,850	99,750	0.91
Spain	-	-	160	1,000	1,000	-
United Kingdom	10,200	10,400	11,500	12,170	15,650	28.59
Middle East	66,500	80,130	87,530	96,375	132,729	37.72
IR Iran	5,690	6,160	4,110	5,670	8,429	48.66
Oman	12,940	13,150	10,890	11,540	11,700	1.39
Qatar	31,090	43,500	56,780	63,535	107,000	68.41
United Arab Emirates	16,780	17,320	15,750	15,210	5,180	-65.94
Yemen	-	-	-	420	420	-
Africa	107,050	110,430	115,070	105,090	110,853	5.48
Algeria	61,560	58,370	58,830	52,670	57,359	8.90
Egypt	16,900	15,870	16,920	18,320	15,590	-14.90
Equatorial Guinea	-	1,430	5,170	4,720	4,370	-7.42
Libya	8,410	9,960	10,400	9,890	9,970	0.81
Mozambique	2,600	2,900	3,200	3,500	3,560	1.71
Nigeria	17,580	21,900	20,550	15,990	20,004	25.10
Asia and Pacific	100,230	104,050	104,740	108,570	117,300	8.04
Australia	18,030	20,060	20,240	24,240	25,430	4.91
Brunei	9,810	9,350	9,200	8,810	8,830	0.23
Indonesia	34,170	33,940	36,170	36,500	42,330	15.97
Malaysia	29,240	31,300	30,580	30,730	31,900	3.81
Myanmar	8,980	9,400	8,550	8,290	8,810	6.27
Total world	905,240	931,120	971,780	900,565	992,662	10.23
<i>of which</i>						
OPEC	141,110	157,210	166,420	162,965	207,942	27.60
<i>OPEC percentage</i>	<i>16</i>	<i>17</i>	<i>17</i>	<i>18</i>	<i>21</i>	<i>15.76</i>
OECD	307,350	320,150	337,720	327,910	344,306	5.00
FSU	308,160	303,390	315,360	255,220	267,981	5.00

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

Table 3.23

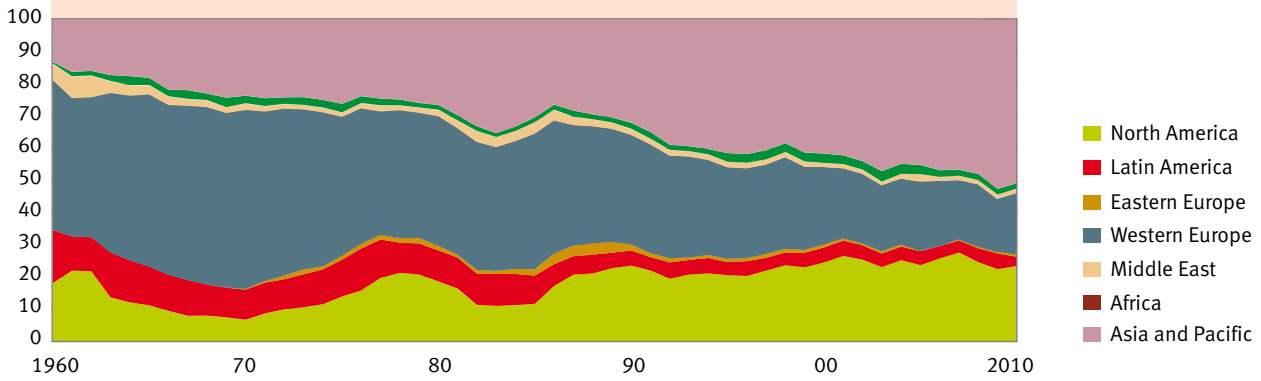
Oil and gas data

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

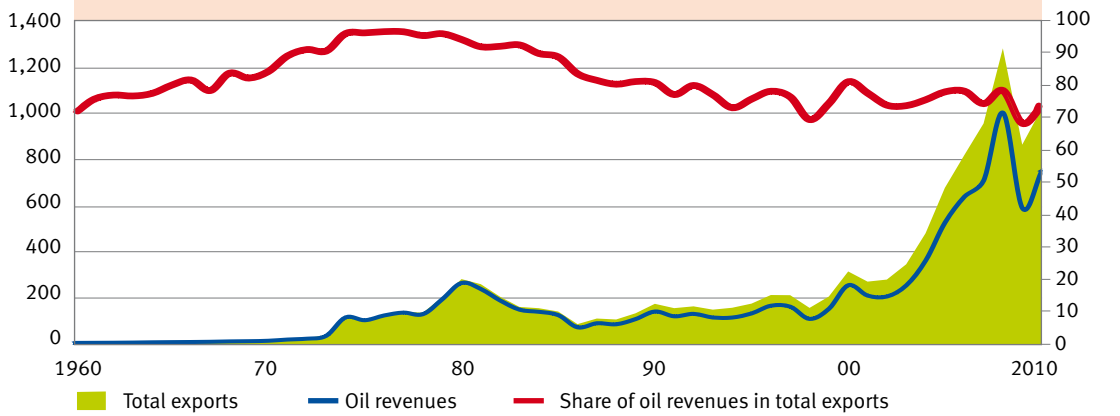
	2006	2007	2008	2009	2010	% change 10/09
North America	10,943.1	10,849.8	10,569.2	9,860.6	9,953.4	0.9
Canada	825.1	832.8	815.8	798.3	769.5	-3.6
United States	10,118.0	10,017.0	9,753.4	9,062.3	9,183.9	1.3
Latin America	1,935.6	1,948.9	1,940.9	2,163.3	2,166.1	0.1
Brazil	426.8	391.8	371.9	360.1	311.6	-13.5
Chile	222.3	210.8	208.9	139.2	167.3	20.2
Cuba	45.2	46.0	46.0	46.0	46.3	0.6
Netherland Antilles	225.9	230.2	230.5	230.5	229.0	-0.6
Puerto Rico	128.4	130.2	130.4	130.4	130.6	0.2
Virgin Islands	0.3	0.4	0.8	0.8	0.9	-
Others	887.0	940.0	953.2	1,257.1	1,260.9	0.4
Eastern Europe	1,173.2	1,205.6	1,141.0	1,131.5	1,131.5	-
Bulgaria	142.1	142.7	134.0	132.3	132.9	0.4
Czech Republic	155.8	144.3	162.6	161.6	161.0	-0.3
Romania	179.1	175.8	172.8	171.7	171.4	-0.2
Russia	44.3	62.3	48.2	47.5	47.9	0.8
Others	651.9	680.5	623.5	618.5	618.3	-
Western Europe	11,815.0	11,682.7	11,623.6	11,600.4	10,587.1	-8.7
Belgium	636.8	665.7	681.1	678.6	674.4	-0.6
France	1,670.6	1,646.0	1,682.4	1,682.4	1,294.8	-23.0
Germany	2,246.5	2,189.8	2,152.7	2,152.3	1,881.6	-12.6
Greece	399.1	409.6	387.7	386.2	411.6	6.6
Italy	1,752.8	1,775.8	1,650.8	1,650.3	1,585.7	-3.9
Netherlands	959.7	985.8	983.4	981.6	1,033.2	5.3
Spain	1,207.5	1,149.7	1,165.5	1,163.2	1,057.2	-9.1
Sweden	390.8	363.7	423.2	421.9	401.2	-4.9
Turkey	484.3	472.7	440.2	439.1	342.0	-22.1
United Kingdom	1,048.7	1,028.8	1,062.0	1,059.8	963.5	-9.1
Others	1,018.3	995.2	994.8	985.1	942.1	-4.4
Middle East	510.5	514.6	647.5	498.5	550.5	10.4
Bahrain	228.4	229.7	212.1	213.1	235.5	10.5
Syrian Arab Republic	-	-	-	-	-	-
Yemen	-	-	-	-	-	-
Others	282.1	284.9	435.4	285.4	315.0	10.4
Africa	892.0	914.8	948.6	882.1	922.6	4.6
Côte d'Ivoire	81.7	82.6	82.7	82.7	84.4	2.1
Kenya	36.6	37.5	37.5	37.5	38.6	2.9
Morocco	143.8	147.0	147.3	147.3	149.4	1.4
Others	629.9	647.6	681.1	614.6	650.2	5.8
Asia and Pacific	15,647.1	16,025.9	16,133.1	16,200.0	17,163.0	5.9
Australia	388.2	385.0	378.5	378.2	473.3	25.1
India	2,213.6	2,412.3	2,552.8	2,597.9	2,597.9	-
Indonesia	289.6	298.3	260.8	324.9	284.8	-12.4
Japan	4,062.9	3,985.6	3,966.4	3,445.1	3,469.9	0.7
New Zealand	94.6	92.5	100.8	100.5	98.7	-1.9
Philippines	214.0	207.4	188.8	138.7	166.2	19.8
Singapore	730.3	698.6	639.0	600.3	714.7	19.1
South Korea	2,412.5	2,392.3	2,331.6	2,325.9	2,377.4	2.2
Taiwan	999.2	964.8	909.4	945.3	876.2	-7.3
Thailand	828.1	801.1	810.7	810.7	816.9	0.8
Others	3,414.2	3,788.2	3,994.4	4,532.5	4,787.2	5.6
Total world	42,916.5	43,142.4	43,003.9	42,336.3	41,951.9	-0.9
<i>of which</i>						
OECD	30,845.1	30,531.1	30,062.9	28,794.7	28,043.4	-2.6

Notes: Revisions have been made throughout the time series. Annual changes and shares of totals are calculated using 1,000 barrels per annum figures. Includes changes in the quantity of oil products in transit, movements not otherwise shown, unspecified use, etc.

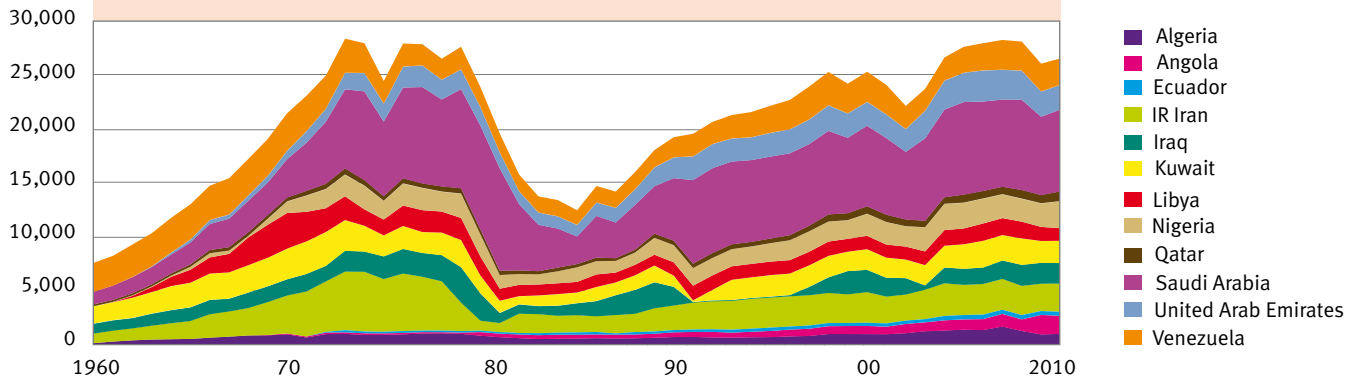
Graph 3.19: Percentage share of OPEC crude oil exports by regions



Graph 3.20: OPEC oil export revenues vs total exports (bn \$)



Graph 3.21: OPEC Members' exports of crude and petroleum products (1,000 b/d)



Graph 3.22: OPEC Members' exports of petroleum products (1,000 b/d)

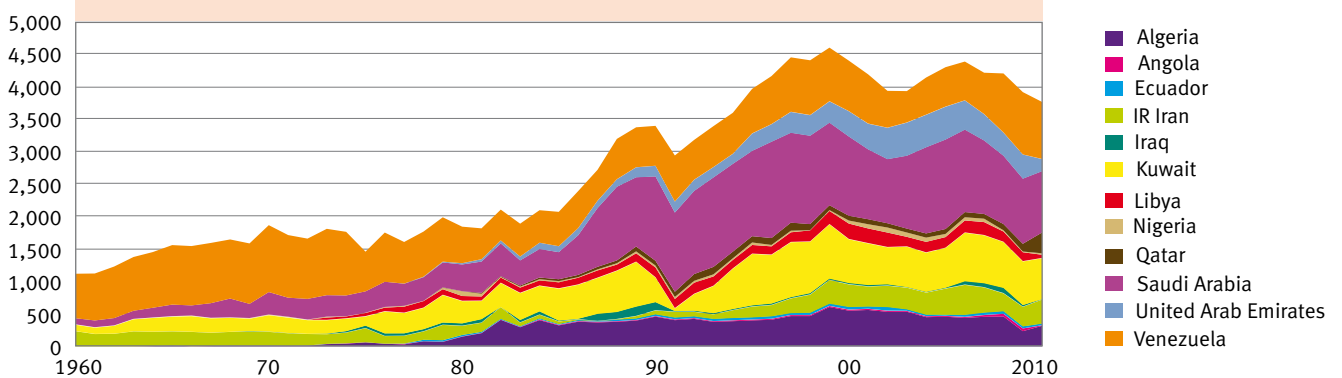


Table 3.24

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	2,754.8	2,713.1	2,415.1	2,103.3	2,087.1	-0.8
Canada	291.8	282.3	329.8	279.4	238.3	-14.7
United States	2,458.2	2,425.9	2,080.4	1,819.2	1,844.1	1.4
Others	4.8	5.0	5.0	4.7	4.7	-
Latin America	1,696.6	1,960.3	2,052.6	2,012.3	2,061.3	2.4
Brazil	261.3	320.1	343.5	310.6	311.6	0.3
Cuba	74.7	77.2	78.6	79.9	81.3	1.7
Mexico	364.2	426.6	477.7	454.5	451.9	-0.6
Netherland Antilles	63.5	65.9	66.0	66.0	69.7	5.7
Panama	24.5	43.1	43.0	42.9	23.8	-44.5
Puerto Rico	108.1	111.2	106.3	101.3	96.3	-4.9
Others	800.3	916.3	937.6	957.2	1,026.8	7.3
Eastern Europe	418.2	397.7	352.8	349.8	388.2	11.0
Bulgaria	37.6	34.1	30.2	30.3	31.1	2.8
Russia	10.7	11.1	11.4	10.6	20.4	92.4
Hungary	44.1	47.3	44.8	44.1	48.4	9.7
Poland	165.8	138.8	120.2	120.1	140.1	16.7
Others	160.1	166.4	146.2	144.7	148.2	2.4
Western Europe	6,449.8	5,984.0	6,207.3	6,399.0	6,677.3	4.3
Belgium	394.5	356.8	439.0	360.8	675.3	87.1
France	718.3	693.4	699.5	775.9	776.8	0.1
Germany	755.3	582.8	704.3	661.0	661.8	0.1
Italy	270.4	241.9	230.3	223.9	224.8	0.4
Netherlands	1,555.7	1,368.1	1,459.2	1,670.6	1,671.4	0.1
United Kingdom	556.4	494.6	436.7	485.4	486.2	0.2
Others	2,199.3	2,246.3	2,238.4	2,221.4	2,181.0	-1.8
Middle East	512.2	577.3	555.2	543.1	465.6	-14.3
Syrian Arab Republic	21.2	22.0	20.7	19.4	18.1	-6.7
Others	490.9	555.3	534.5	523.8	447.5	-14.6
Africa	805.0	867.3	826.1	862.8	988.0	14.5
Egypt	82.1	91.8	103.1	139.0	140.1	0.8
Morocco	80.0	83.0	81.8	80.6	79.6	-1.3
Nigeria	154.8	171.3	129.3	130.3	179.0	37.3
Senegal	24.6	25.3	25.3	25.3	27.3	7.9
Tunisia	65.7	67.8	67.8	67.8	78.4	15.6
Others	397.8	428.1	418.7	419.7	483.6	15.2
Asia and Pacific	6,404.1	6,451.3	7,111.6	7,133.8	7,343.3	2.9
Australia	246.4	252.9	337.3	339.0	303.8	-10.4
China	733.4	680.8	803.5	777.2	835.2	7.5
Hong Kong	343.9	364.5	330.8	388.9	432.5	11.2
India	281.6	415.2	408.1	283.0	325.7	15.1
Japan	1,058.7	954.2	933.5	829.3	929.7	12.1
New Zealand	42.5	50.7	44.3	44.7	36.2	-19.0
Singapore	1,496.1	1,648.5	1,978.2	2,210.3	2,214.8	0.2
Others	2,201.5	2,084.6	2,275.9	2,261.5	2,265.6	0.2
Total world	19,040.7	18,951.0	19,520.9	19,404.2	20,010.9	3.1
<i>of which</i>						
OPEC	547	632	555	582	639	9.9
<i>OPEC percentage</i>	2.9	3.3	2.8	3.0	3.2	
OECD	10,781	10,163	10,167	10,043	11,117	10.7
FSU	171	177	158	155	146	-6.0

Notes: Revisions have been made throughout the time series. Data includes petroleum products from gas plants. Annual changes and shares of totals are calculated using 1,000 barrels per annum figures. Includes changes in the quantity of oil products in transit, movements not otherwise shown, unspecified use, etc.

Table 3.25

Oil and gas data

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

	2006	2007	2008	2009	2010	% change 10/09
North America	125,760	143,850	130,250	126,660	127,120	0.4
Canada	9,370	13,200	15,900	20,830	22,530	8.2
United States	116,390	130,650	114,350	105,830	104,590	-1.2
Latin America	28,750	26,300	29,810	28,910	37,429	29.5
Argentina	1,800	1,680	1,300	2,660	3,780	42.1
Brazil	9,860	10,020	11,030	8,440	12,720	50.7
Chile	5,950	2,380	750	1,490	3,220	116.1
Dominican Republic	250	480	470	560	503	-10.1
Mexico	10,050	10,810	13,880	13,160	14,910	13.3
Puerto Rico	720	740	810	760	770	1.3
Uruguay	120	90	70	40	80	100.0
Venezuela	-	100	1,500	1,800	1,446	-19.7
Eastern Europe¹	198,170	187,110	195,490	143,460	162,140	13.0
Armenia	1,700	1,900	2,300	2,050	2,083	1.6
Azerbaijan	4,000	-	-	-	-	-
Belarus	20,500	20,600	21,100	17,570	2,160	-87.7
Bulgaria	2,850	3,050	3,100	2,640	2,930	11.0
Czech Republic	9,480	8,630	8,610	8,030	11,670	45.3
Estonia	1,000	1,000	630	710	780	9.9
Georgia	1,900	1,200	1,130	200	843	321.7
Hungary	11,600	10,450	11,500	8,100	9,410	16.2
Kazakhstan	5,000	6,600	5,800	5,400	5,933	9.9
Kyrgyzstan	900	900	1,200	1,200	1,100	-8.3
Latvia	1,700	1,200	750	1,190	1,047	-12.0
Lithuania	2,900	3,400	3,090	2,770	3,087	11.4
Moldova	2,550	2,700	2,800	2,900	2,800	-3.4
Poland	10,390	9,280	10,280	9,150	10,180	11.3
Romania	5,300	4,500	4,500	2,050	2,270	10.7
Russia	53,500	51,500	56,200	28,400	38,200	34.5
Slovak Republic	6,300	5,600	5,600	5,400	5,780	7.0
Tadzhikistan	600	600	700	700	667	-4.8
Ukraine	56,000	54,000	56,200	45,000	61,200	36.0
Western Europe	379,860	378,760	400,860	389,570	419,055	7.6
Austria	7,700	7,000	8,100	7,980	8,858	11.0
Belgium	22,450	21,080	20,740	21,000	23,820	13.4
Bosnia/Herzegovina	400	320	310	220	283	28.8
Croatia	1,100	1,200	1,260	1,200	1,220	1.7
Denmark	80	-	-	-	1,199	-
Finland	4,520	4,320	4,500	4,100	4,551	11.0
France	49,580	46,920	49,250	49,060	48,910	-0.3
Germany	90,920	82,900	87,100	88,820	92,820	4.5
Greece	3,190	4,010	4,140	3,290	2,895	-12.0

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

	2006	2007	2008	2009	2010	% change 10/09
Western Europe (<i>cont'd</i>)						
Ireland	3,400	4,700	5,000	5,080	5,290	4.1
Italy	77,350	73,880	76,870	69,310	75,340	8.7
Luxembourg	1,500	1,300	1,200	1,300	1,404	8.0
Macedonia, f Yug Rep	100	80	70	80	77	-4.2
Netherlands	18,610	18,360	17,970	17,210	17,250	0.2
Portugal	4,070	4,140	4,560	4,410	4,760	7.9
Serbia/Montenegro	2,100	2,100	2,150	1,550	1,933	24.7
Slovenia	1,150	1,100	1,000	890	997	12.0
Spain	35,160	35,130	39,060	35,430	36,170	2.1
Sweden	1,080	1,110	1,000	1,310	1,729	32.0
Switzerland	2,980	2,990	3,190	3,090	3,399	10.0
Turkey	31,060	36,160	36,850	33,180	32,520	-2.0
United Kingdom	21,360	29,960	36,540	41,060	53,630	30.6
Middle East	18,830	25,800	35,310	39,100	40,598	3.8
IR Iran	5,800	7,300	7,100	5,800	7,243	24.9
Israel	-	-	-	1,700	1,700	-
Jordan	1,930	2,350	2,750	2,850	2,650	-7.0
Kuwait	-	-	-	890	890	-
Oman	-	-	350	1,500	1,500	-
Syrian Arab Republic	-	-	140	910	910	-
United Arab Emirates	11,100	16,150	24,970	25,450	25,705	1.0
Africa	3,900	4,150	4,950	5,250	5,310	1.1
Morocco	-	-	500	500	500	-
South Africa	2,600	2,900	3,200	3,500	3,560	1.7
Tunisia	1,300	1,250	1,250	1,250	1,250	-
Asia and Pacific	149,970	165,150	175,130	172,260	201,010	16.7
China	1,000	3,870	4,440	7,630	15,980	109.4
India	7,990	9,980	10,790	12,620	12,150	-3.7
Japan	81,860	88,820	92,250	85,900	93,180	8.5
South Korea	34,140	34,390	36,550	34,330	43,440	26.5
Malaysia	-	-	500	900	900	-
Singapore	5,800	7,680	9,970	10,800	11,630	7.7
Taiwan	10,200	11,010	12,080	11,790	14,920	26.5
Thailand	8,980	9,400	8,550	8,290	8,810	6.3
Total world	905,240	931,120	971,800	905,210	992,662	9.7
<i>of which</i>						
OPEC	16,900	23,550	33,570	33,940	35,284	4.0
OPEC share	2	3	3	4	3	-7.6
OECD	664,590	685,790	704,990	676,360	730,469	8.0
FSU	152,250	145,600	151,900	108,090	118,899	10.0

Notes: Since joining the EU in 2004, Estonia, Latvia and Lithuania are listed separately and not included under FSU.

Section 4 Transportation



Table 4.1

Transportation

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

	2006		2007		2008		2009		2010	
	number	dwt	number	dwt	number	dwt	number	dwt	number	dwt
Algeria	1	315	1	315	1	315	1	315	1	315
Angola	na	na	na	na	na	na	na	na	na	na
Ecuador	na	na	na	na	8	269	8	269	8	269
IR Iran	32	6,050	29	6,202	42	9,560	42	9,560	47	10,994
Iraq	1	37	1	37	2	26	4	53	4	53
Kuwait	18	2,802	22	3,241	21	3,113	20	3,110	16	2,223
Libya	6	275	8	627	8	627	8	627	8	627
Nigeria	2	409	2	409	2	409	2	409	2	409
Qatar	6	438	6	528	6	528	6	528	6	528
Saudi Arabia	41	10,055	41	10,055	46	10,483	40	8,662	35	6993
United Arab Emirates	6	218	6	218	13	660	13	660	13	660
Venezuela	21	1,348	21	1,348	16	1,091	16	1,091	16	1,091
OPEC	134	21,947	137	22,980	165	27,081	160	25,284	156	24,162
Total world	4,177	359,618	4,418	375,591	4,825	398,196	5,713	481,185	5,147	444,815
OPEC percentage		6.1		6.1		6.8		5.3		5.4

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Including crude oil, petroleum and chemical carriers.

Table 4.2

World tanker fleet by age (1,000 dwt)

		up to 1995		1996–2000		2001–2005		2006–2010		Total	
		no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
GR	16.5–24.9	227	4,056.8	128	1,962.5	153	2,640.7	537	8,238.2	1,045	16,898.2
MR	25.0–44.9	240	8,836.7	168	6,568.1	339	13,243.6	387	15,562.6	1,134	44,211.0
LR1	45.0–79.9	140	7,650.4	104	5,465.6	275	15,701.8	611	34,641.8	1,130	63,459.6
LR2	80.0–159.9	237	26,119.3	214	25,633.2	337	40,552.6	439	52,863.3	1,227	145,168.4
VLCC	160.0–319.9	69	19,787.2	116	34,290.4	184	53,021.9	242	67,978.3	611	175,077.8
Total world		913	66,450.5	730	73,919.8	1,288	125,160.5	2,216	179,284.2	5,147	444,815.0

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Data this year is adjusted to take into account different categories of vessels. Data includes clean, dirty and chemical tankers.

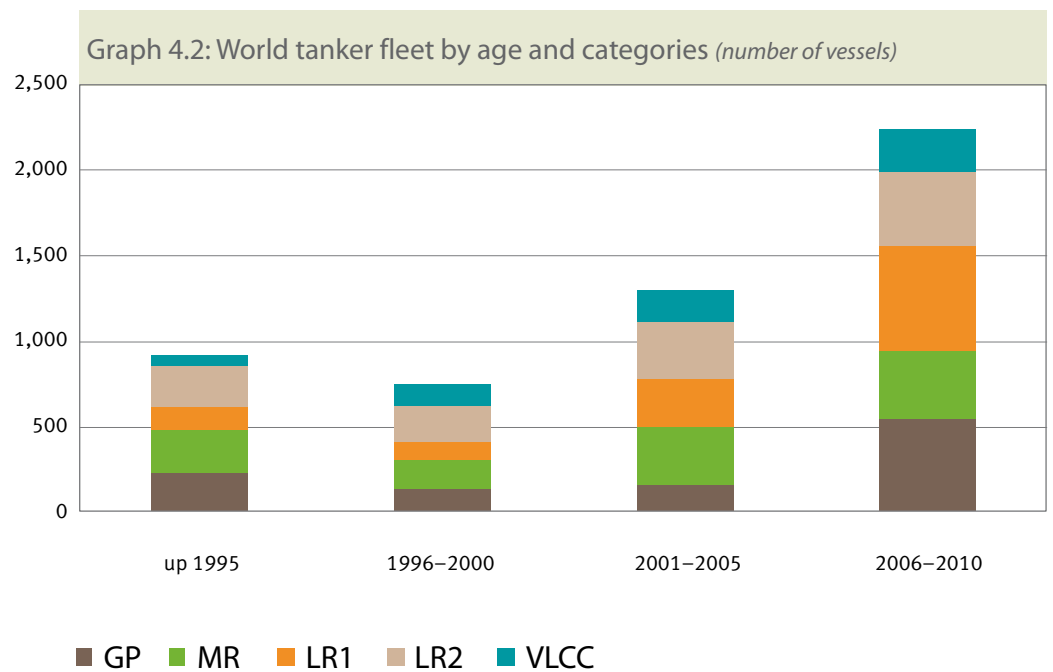
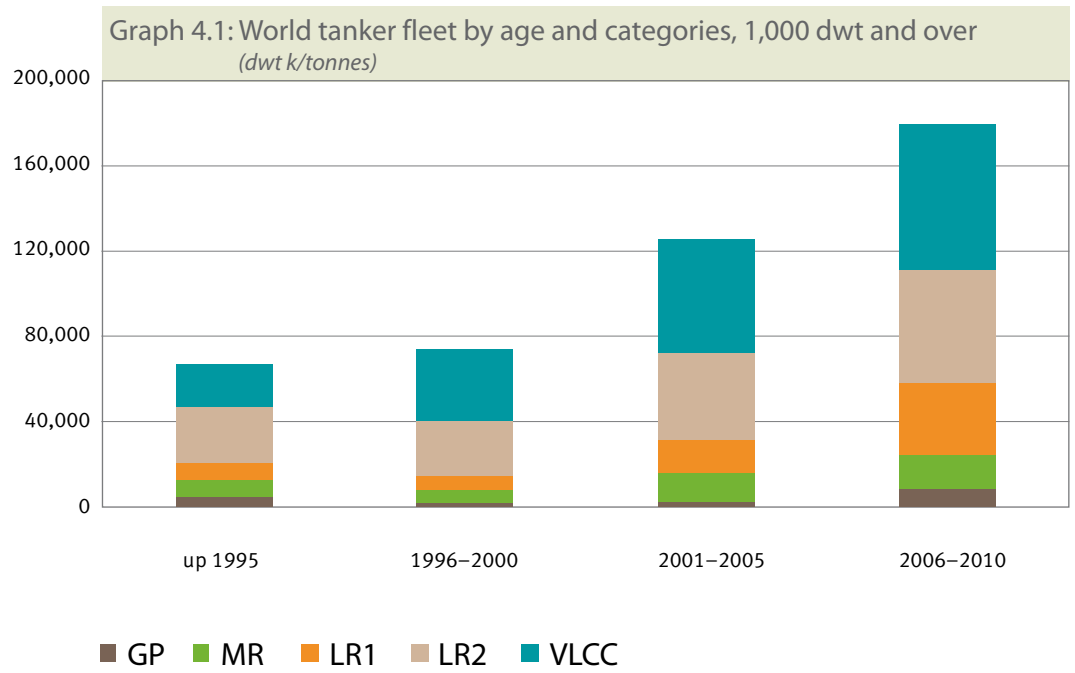


Table 4.3

Transportation

World liquid gas carrier fleet by size and type, 2010 (1,000 cu m)

	no	LPG capacity	no	LNG capacity	no	Total capacity
up to 999	61	42	–	–	61	42
1,000–1,999	274	396	–	–	274	396
2,000–4,999	316	1,053	–	–	316	1,053
5,000–9,999	208	1,414	–	–	208	1,414
10,000–19,999	63	876	13	133	76	1,009
20,000–39,999	105	3,043	3	94	108	3,137
40,000–59,999	20	1,164	3	122	23	1,286
60,000–99,999	142	11,367	17	1,295	159	12,662
100,000 and over	–	–	326	50,254	326	50,254
Total world	1,189	19,355	362	51,898	1,551	71,253

Notes: Figures as at year-end. Totals may not add up due to independent rounding.

Table 4.4

Liquid gas carrier fleet in OPEC Members, 2010 (1,000 cu m)

	no	LPG capacity	no	LNG capacity	no	Total capacity
Algeria	10	468	9	1,067	19	1,535
Angola	–	–	–	–	–	–
Ecuador	4	67	–	–	4	67
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	30	1,388	70	11,119	100	12,507
Total world	1,189	19,355	362	51,898	1,551	71,253
<i>OPEC percentage</i>		<i>7.17</i>		<i>21.42</i>		<i>17.55</i>

Notes: Figures as at year-end. Totals may not add up due to independent rounding. LPG and LNG vessels for OPEC Member Countries may be registered under other countries flags.

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

	2006		2007		2008		2009		2010	
	no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
10,000–19,999	1	15	2	28	2	28	2	28	1	13
20,000–29,999	1	26	1	26	1	26	1	26	1	28
30,000–39,999	–	–	–	–	–	–	–	–	–	–
40,000–49,999	9	419	9	419	8	375	8	375	8	375
50,000–59,999	8	436	7	382	3	164	2	108	2	108
60,000–69,999	5	326	5	326	2	133	2	133	5	–
70,000–79,999	15	1,110	16	1,212	5	375	5	375	5	375
80,000–99,999	31	2,631	33	2,809	7	608	6	511	7	609
100,000–124,999	16	1,667	15	1,670	13	1,488	13	1,488	13	1,425
125,000–159,999	3	366	–	–	3	487	1	120	1	121
160,000–199,999	16	2,526	14	2,257	1	164	3	468	3	469
200,000–249,999	–	–	–	–	–	–	–	–	–	–
250,000–319,999	4	1,233	4	1,233	–	–	–	–	5	1,599
Total world	109	10,756	106	10,363	46	3,849	43	3,633	51	5,123

Notes: Figures as at year-end. Totals may not add up due to independent rounding. Vessels of 10,000 dwt and over.

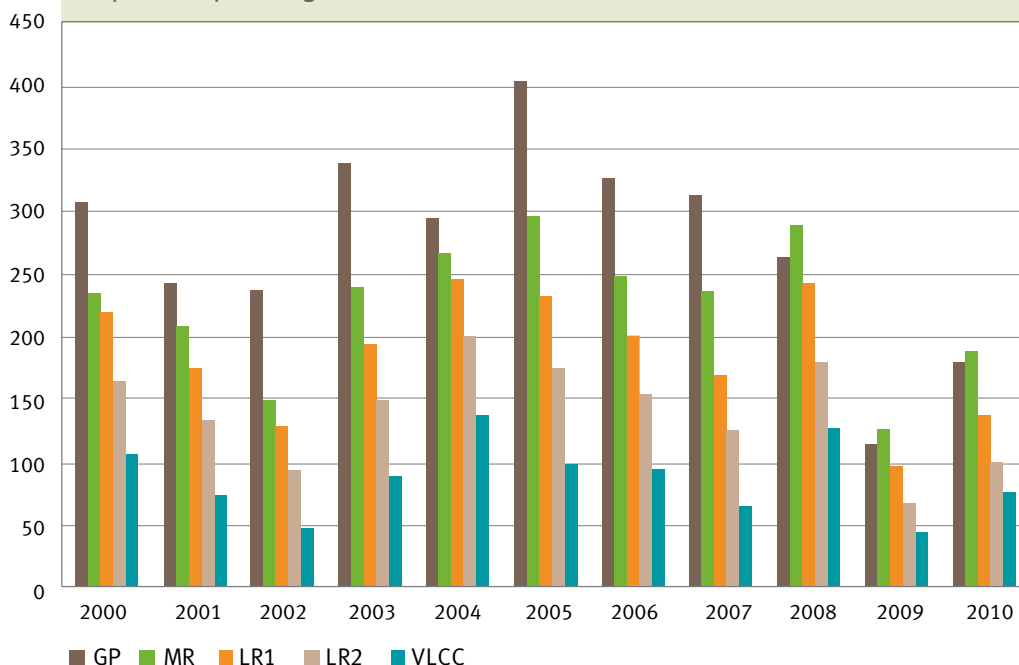
Table 4.6

Transportation

Average spot freight rates for all routes (*percentage 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
2000	306.6	234.8	217.7	164.0	106.9
2001	241.6	209.2	175.9	133.9	74.4
2002	236.5	150.0	129.2	95.6	48.1
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	324.2	246.7	200.8	153.0	95.4
2007	313.2	235.6	169.3	125.2	66.2
2008	263.8	289.6	241.8	178.7	128.4
2009	114.4	125.3	95.8	67.9	45.2
2010	180.0	188.4	137.6	99.9	75.1

Notes: GP = general purpose (10–24.9 dwt); MR = medium range (25–44.9 dwt); LR1 = large range 1 (50–79.9 dwt); LR2 = large range 2 (80–159.9 dwt); VLCC = very large crude carrier (larger than 159.9 dwt). 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.

Graph 4.3: Spot freight rates for AFRA sizes (*% of Worldscale*)

Freight costs in the spot market (\$/b)

	Crude oil					Petroleum products				
	Carib/USAC	Med/NWE	WAF/USGC	Gulf/Japan	Gulf/NWE	Gulf/Japan	Med/Med	Carib/USAC	S'pore/Japan	
2000	1.49	1.44	2.01	1.50	2.27	3.03	0.84	1.35	1.84	
2001	1.29	1.35	1.62	1.28	1.91	3.55	0.99	1.43	2.12	
2002	0.93	1.53	1.12	0.80	1.18	2.54	0.69	0.98	1.42	
2003	1.37	1.51	1.88	1.52	2.16	3.24	0.96	1.22	1.83	
2004	1.89	1.79	2.79	2.56	3.66	3.65	1.21	1.69	2.20	
2005	2.07	1.76	2.27	1.86	2.79	4.99	1.31	1.69	2.86	
2006	1.85	2.15	3.05	2.31	3.30	6.22	1.36	1.96	3.62	
2007	1.60	1.51	2.74	2.20	2.68	4.44	1.76	2.49	2.82	
2008	2.15	3.14	4.17	3.35	4.06	6.45	2.56	2.81	3.22	
2009	1.03	1.58	2.09	1.43	1.70	2.98	1.29	1.35	1.38	
2010	1.30	1.78	2.38	1.88	2.05	3.17	1.66	1.60	1.63	

Notes: Carib = Caribbean; USAC = US Atlantic Coast; Med = Mediterranean; NWE = north-west Europe; WAF = West Africa; USGC = US Gulf Coast; S'pore = Singapore. Freight costs are based on the weighted averages of spot freight rates in the typical size range.

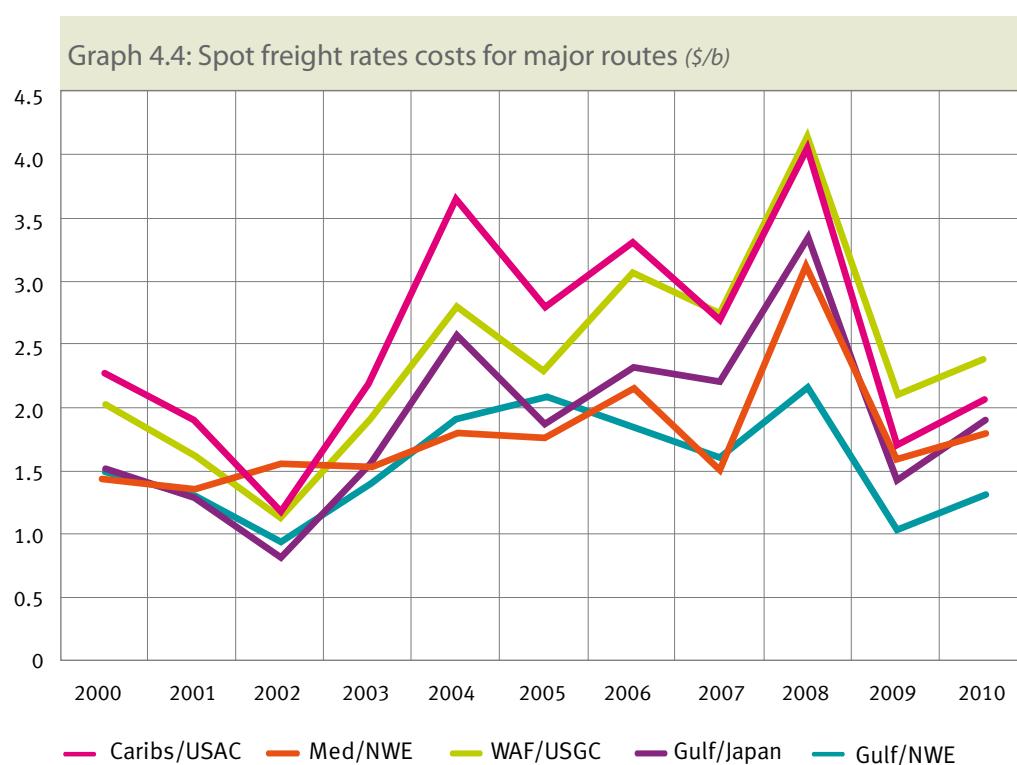


Table 4.8

Transportation

Spot tanker freight rates for all sizes

	Gulf/West		Gulf/East		Caribbean/USAC		all routes	
	% of Worldscale	equivalent \$/t	% of Worldscale	equivalent \$/t	% of Worldscale	equivalent \$/t	% of Worldscale	equivalent \$/t
2000	86	15.00	112	12.05	217	9.83	146	15.46
2001	67	11.69	85	9.16	170	7.68	116	12.56
2002	40	7.99	60	7.25	125	6.10	85	10.48
2003	82	17.60	102	13.38	182	9.61	128	16.46
2004	116	21.88	155	22.35	245	24.99	175	23.61
2005	102	22.49	116	15.59	225	13.16	151	21.31
2006	89	25.06	106	18.59	203	13.98	134	23.34
2007	63	18.64	79	14.00	169	11.98	107	18.87
2008	99	29.78	136	24.56	233	15.76	156	23.37
2009	31	12.46	42	10.48	83	7.55	52	10.16
2010	51	14.04	73	12.79	135	9.54	86	12.12

Notes: The above rates are calculated from all spot fixtures reported during the month for each route.

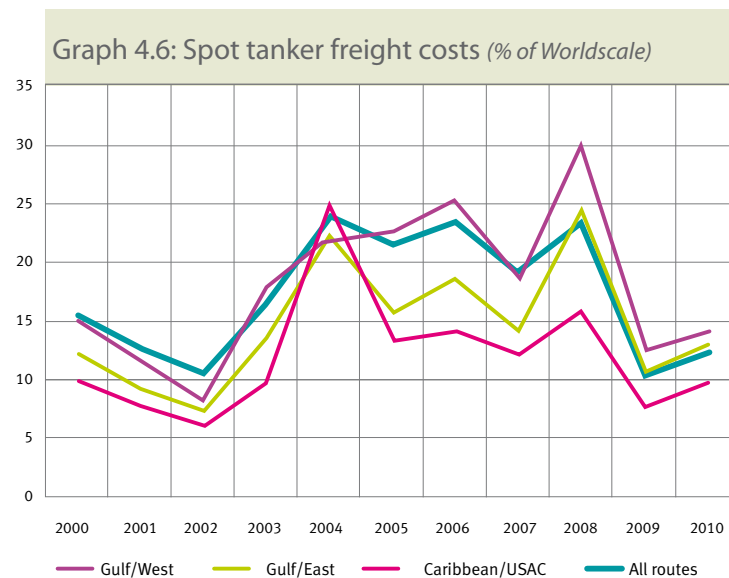
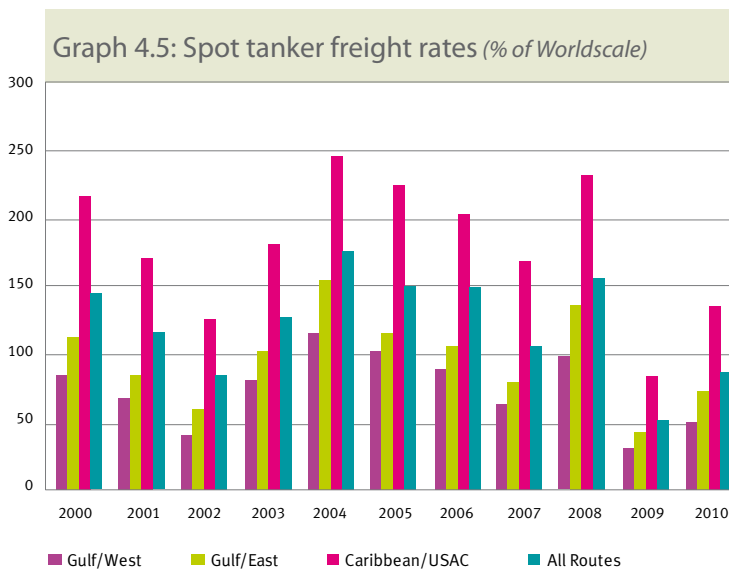


Table 4.9
Transportation

Crude oil pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity (m t)	Volume (m t)
Algeria					
Beni Mensour/Algiers	Sonatrach/TRC	90	20	na	na
Haoud El Hamra/Arzew	Sonatrach/TRC	498/510	28/34	45	29.41
Haoud El Hamra/Béjaia	Sonatrach/TRC	415	24	12	5.08
Haoud El Hamra/Skikda	Sonatrach/TRC	401	34	30	18.73
El Borma/Mesdar	Sonatrach/TRC	169	20	12	7.3
Hassi Berkine/Haoud El Hamra	Sonatrach/TRC	363	30	30	22
In Aménas/Algerian-Tunisian border	Sonatrach/TRC	165	24	8	0.77
In Aménas/Haoud El Hamra	Sonatrach/TRC	391	30	8.9	4.8
Mesdar/Haoud El Hamra	Sonatrach/TRC	67	26	na	na
Angola					
East Kokongo/Malongo terminal	Chevron	39	24	na	na
Essungo/Lombo East terminal	Texpan	50	16	na	na
GS-N/Malongo terminal	Chevron	21	30	na	na
Ecuador					
Lago Agrio/Esmeraldas	Transpecuador (state)	305	26/20/26	19.59	18.19
Lago Agrio/Esmeraldas	Pesados Ecuador SA (private)	301	24/36	24.66	6.2
IR Iran					
Maron/Isfahan	NIOC	702	30/32	na	na
Ahwaz/Rey	NIOC	457	30/26	na	na
Isfahan/Rey	NIOC	599	24	na	na
Maile 40/Abadan	NIOC	166	12	na	na
Maile 40/Khordoragh	NIOC	69	16	na	na
Neka/Sari	NIOC	60	16/32	na	na
Rey/Tabriz	NIOC	1,246	16	na	na
Sari/Rey	NIOC	456	30/32	na	na
Tang-e-Fani/Kermanshah	NIOC	353	16	na	na
Iraq					
Kirkuk/Salaheldien	OPC	84	26	48	10.77
Baiji (K2)/Daura	OPC	213	12/16	14	1.23
East Baghdad/Daura	OPC	60	16	6	na
Nafut Khana/Daura	OPC	130	12	3	0.13
Strategy/Theqar refinery	OPC	32	20	21	1.05
Strategy/Daura refinery	OPC	110	18	13	2.45
Strategy/Musaib PWR St	OPC	48	16	–	1.67
Strategy/Nasuriyah PWR St	OPC	35	20	21	0.23
		na	na	na	na
Libya					
Ora-Beda gathering/Aseida gathering	Harouge	136	24	7.5	na
Amal/Ras Lanuf	Harouge	2 x 273	36/30	13.2/23.8	na

Table 4.9

Transportation

Crude oil pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity (m t)	Volume (m t)
Libya (cont'd)					
Aseida gathering/Ras Lanuf	Harouge	88	30	12.4	na
Asharara/Az-Zawiyah	Akakus	727	30	10	na
Asharara/Mellitah	Mellitah Oil and Gas	727	30	10	na
Bahi Gathering/Es-Sider	Waha Oil	71	30	31.4	na
Bahi Gathering/Es-Sider (parallel)	Waha Oil	71	30	20.9	na
Bu-Attifel/Intisar (103A)	Mellitah Oil and Gas	133	30	18	na
Dahra/Bahi gathering	Waha Oil	69	30	34.2	na
Dor Marada/Ora	Harouge	82	10	1	na
El-Feel/Asharara	Mellitah Oil and Gas	75	24	16.3	na
Faregh/Gialo	Waha Oil	65	12	2.5	na
Gialo/Waha	Waha Oil	152	30	19.9	na
Hamada/Az-Zawiyah	Arabian Oil	387	18	4.5	na
Hofra/Aseida gathering	Harouge	57	24	7.5	na
Intisar (A103)/Azzuwaytinah	Zuetina	220	40	49.8	na
Magid/Nafoora	Arabian Oil	105	14	2.8	na
Messla/Amal	Arabian Oil	206	42	23.7	na
Nafoora/Amal	Arabian Oil	52	32	16.2	na
Nasser/Al-Brayqah	Sirte	172	36	38.8	na
Raguba/Nasser Al-Brayqah line	Sirte	88	20	7.5	na
Rimal/Bu-Attifel	Mellitah Oil and Gas	76	12	2.6	na
Sabah/Zella	Zuetina	91	16	2	na
Samah/Dahra	Waha Oil	184	32	31.6	na
Sarir/Tobruk	Arabian Oil	513	34	24.9	na
Waha/Samah	Waha Oil	64	24	15	na
Waha/Zaggut	Waha Oil	43	24	24.7	na
Zaggut/Es-Sider	Waha Oil	267	24	11	na
Zaggut/Samah	Waha Oil	35	24	13.8	na
Zella/Hofra	Zuetina	113	20	3.7	na
Nigeria					
Alakiri/Bonny	SPDC	33	24	na	na
Apoi PP/SPM	Texaco	24	12.75	na	na
Bonny/Ph refinery	NNPC/PPMC	34.38	24	na	na
Brass terminal/BOP	NAOC	26	36	na	na
BT/SPM	SPDC	31	48	na	na
Escravos/Wari/Kaduna	NNPC/PPMC	420.94	24-16	na	na
Forcados/SPM	SPDC	27	48	na	na
Idoho PP/Quit	MPNU	48	24	na	na
Middleton PP/SPM	Texaco	28	10.75	na	na
Ogodo/Brass terminal	NAOC	99	24	na	na
Oso/Quit	MPNU	31	18	na	na
QIT/Oso SPM	MPNU	37	36	na	na
Rapele/Forcados	SPDC	49	28	na	na

Table 4.9
Transportation

Crude oil pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity (m t)	Volume (m t)
Nigeria (cont'd)					
Tebidaba/Brass terminal	NAOC	57	24	na	na
TNP/Bonny	SPDC	80	36	na	na
Qatar					
Mile 32/Messaieed	QP	36	20	na	na
Mile 42/Messaieed	QP	26	24	na	na
DP1/Halul Island	Total	40.3	2 x 12	na	na
DP2/Halul Island	Total	40.3	20	na	na
PS2/Halul Island	QP	16.4	14	na	na
PS3/Halul Island	QP	43.5	20	na	na
PS1/Halul Island	QPQL	20	20	na	na
Saudi Arabia					
Abqaiq/Yanbu	Saudi Aramco	748	56	na	na
Shaybah/Abqaia	Saudi Aramco	397	46	na	na
Qatif/Qaisumah	Saudi Aramco	270	30/31	na	na
Hawtah/Hawtah stabilizer	Saudi Aramco	206	24	na	na
Haradh/Abqaiq plants	Saudi Aramco	134	36/40/42	na	na
Safaniyah/Juaymah	Saudi Aramco	123	46/48	na	na
Haradh/Abqaiq plants	Saudi Aramco	111, 110	18/20/24/30/31, 46/48	na	na
AY-1L KP 65.628/Rabigh refinery	Saudi Aramco	90	36	na	na
Khurais/Riyadh	Saudi Aramco	88	26	na	na
Khursaniyah/Ras Tanura	Saudi Aramco	67	30	na	na
Safiniyah/Kursaniyah North	Saudi Aramco	66	30	na	na
Safiniyah/Kursaniyah	Saudi Aramco	66, 66	40/42, 40/42/48	na	na
Safiniyah/Kursaniyah North	Saudi Aramco	66	22	na	na
Kursaniyah/Ras Tanura	Saudi Aramco	65	40/42	na	na
Kursaniyah/Ras Tanura	Saudi Aramco	63	22	na	na
Kursaniyah/KRT corridor km 191	Saudi Aramco	53	40/42/48	na	na
Abu Ali/Berri junction	Saudi Aramco	49	30/32/34/36	na	na
UA-1 km 78/Abqaiq plants	Saudi Aramco	47	34/36	na	na
Abqaiq plants/Qatif junction	Saudi Aramco	44, 44, 3 x 34	30/32, 46/48, 30, 40/42	na	na
Dhahran/Bacco refinery	Saudi Aramco	40	12/18/20/22	na	na
Abqaiq plants/Dhahrab	Saudi Aramco	39	14	na	na
Abqaiq plants/Dhahrab	Saudi Aramco	38	14	na	na
Abqaiq plants/Dhahrab	Saudi Aramco	38	14	na	na
Berri junction/Ras Tanura	Saudi Aramco	37	40/42	na	na
Km 50/Qatif junction	Saudi Aramco	31	46/48	na	na
Wafra field/Mina Saud (Al-Zour)	SAC	31, 31, 31	10, 16, 20	na	na
UA-1 km 49/Abqaiq plants	Saudi Aramco	30	30/38/40	na	na
Aindar/Abqaiq plants	Saudi Aramco	28, 28, 28	20/22, 24/26/28, 24/26/30/32	na	na
Khobar valves/Bapco refinery	Saudi Aramco	26	12	na	na
Qatif junction/Juaymah terminal	Saudi Aramco	24, 24, 24	48, 46/48, 46/48	na	na

Table 4.9

Transportation

Crude oil pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity (m t)	Volume (m t)
United Arab Emirates					
Murban/Jabel Dhanna	ADCO	3 x 71	24, 36, 36	na	na
Umm Shaif/Das Island	ADMA	21	36	na	na
Lower Zakum/Das Island	ADMA	57	30	na	na
Upper Zakum/Zirku Island	ZADCO	40	42	na	na
Venezuela					
Mata Larga/Est Mayor Silvestre	PDVSA	165	20	62.1	19.56
Est Mayor Silvestre/EI Palito	PDVSA	213	20	54.8	31.74
La Victoria/Las Monas	PDVSA	40	16	4.2	4.15
<i>Joint ventures — Orinoco Oil Belt</i>					
Copem/PTO	Owner	142	30	na	na
PTO/Jose	Owner	153	42	na	na
COB/PTO	Owner	55	30	na	na
Copem/PTO	Owner	142	30	na	na
PTO/Jose	Owner	153	42	na	na
ZPS/JPS	Owner	197	36	na	na

Notes: Figures as at year-end.

Table 4.10
Transportation

Gas pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity	Amount transported
Algeria					
<i>(1,000 scm/yr)</i>					
Hassi R'Mel/Arzew	Sonatrach	315/318/318	40/40/42	26,969,000	17,392,722
Hassi R'Mel/Arzew	Sonatrach	279	48	11,250,000	10,625,746
Hassi R'Mel/Isser	Sonatrach	207	42	11,300,000	5,692,017
Hassi R'Mel/Skikda	Sonatrach	356	42/42	20,470,000	10,023,883
Hassi R'Mel/Oued Safsaf	Sonatrach	342	48	32,720,000	28,030,155
Hassi R'Mel/Hassi R'Mel	Sonatrach	324	48	11,470,000	9,985,551
Angola					
	na	na	na	na	na
Ecuador					
Amistad/Válvula de Playa	EDC Ecuador Ltd	42	13	1,188,599	330,975
IR Iran					
Bid Boland-1 refinery/Astara		685.4042	56	110,000	na
Kangan/Gazvin	NIOC	685.4042	42, 48	110,000	na
Asaluyeh/Rasht (Gilan province)	NIOC	264.095	56	110,000	na
Asaluyeh/Saveh (Markazi province)	NIOC	711.503	56	110,000	na
Asaluyeh/Aghajari oil field	NIOC	313.1856	42	95,000	na
Asaluyeh/Bid Boland-1 refinery/Dehgolan	NIOC	306.3502	56	110,000	na
Asaluyeh/Iranshahr	NIOC	560.5028	56	100,000	na
Asaluyeh/Tehran	NIOC	668.005	56	110,000	na
Asaluyeh/Astara	NIOC	1157.6682	56	110,000	na
Asaluyeh/Tiran (Esfahan province)	NIOC	108	56		
Iraq					
North Gas/Baiji	OPC	90	24	890,000	969,505
Baiji-K3-/Al Kaem	OPC	268	16	2,410,000	10,905
Baiji/Al Mushraq	OPC	131	18	7,400,000	595,419
North Gas Co/K1	OPC	21	18	5,264,000	945,611
North Gas Co/Taji	OPC	272	16	3,087,000	43,855
Taji/South Baghdad PWR St	OPC	35	18	2,000,000	135,173
Strategy/Kabesa Cement	OPC	24	10	671,000	–
Strategy/Hilla PWR St	OPC	45	16	700,000	249,768
Strategy/Najaf PWR St	OPC	23	16	2,100,000	276,614
North Rumela/Khor Al-Zubair	OPC	54	42	10,000,000	1,364,574
Khor Al-Zubair/Hartha PWR St	OPC	48	24	4,808,000	295,660
Rumela/Nasriyaha	OPC	134	24	10,420,000	8,969
Trans-Iraq/Nasriyaha	OPC	292	42	11,033,000	145,532
Libya					
Wafa/Mellitah	Mellitah Oil and Gas	525	32	12,744,265	na
Bahr Assalam/Mellitah	Mellitah Oil and Gas	110	36	25,205,324	na
Mellitah/Gela	Green Stream	540	32	30,019,824	na
Intesar/Brega	Zueitina	207	42	42,480,884	na
103D/103A	Zueitina	26	40	17,841,971	na
Bu-Attifel/Intesar	Mellitah Oil and Gas	133	34	11,328,236	na
Bouri/Bahr Assalam	Mellitah Oil and Gas	20	10	3,879,921	na
Waha/Nasser	Waha	110	24	5,664,118	na
Faregh/Intesar	Waha	110	24	7,080,147	na

Table 4.10

Transportation

Gas pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity	Amount transported
Libya (cont'd)					
(1,000 scm/yr)					
Brega/Benghazi	Sirte Oil	246	34	10,761,824	na
Brega/Khoms	Sirte Oil	645	34	11,611,442	na
Khoms/Tripoli	Sirte Oil	125	34	17,048,995	na
Tripoli/Mellitah	Sirte Oil	98	34	16,992,353	na
Nasser/Brega	Sirte Oil	172	36	14,868,309	na
Attahaddy/km-91.5	Sirte Oil	25	30	28,320,589	na
Km-81.5/Brega	Sirte Oil	82	30	8,496,177	na
Raguba/km-110	Sirte Oil	88	20	3,964,882	na
Intesar/Sahel	Sirte Oil	80	30	19,824,412	na
Sahel/km-81.5	Sirte Oil	49	30	19,541,206	na
Km-91.5/Brega	Sirte Oil	92	36	21,240,442	na
Jakhira/Intesar	Wintershell	80	20	2,407,250	na
Nigeria					
Sapele LTX, Oben	Nigerian Gas Company	27.83872	16, 18	1,121,495	78,786
Afisiere/Aladja	Nigerian Gas Company	30.7593	6, 8, 14, 16	654,206	93,065
Oben/Ajaokuta Steel	Nigerian Gas Company	121.7944	24	1,869,159	151,089
Escravos/Egbin	Nigerian Gas Company	277.64152	20, 24, 30, 36	10,280,374	2,134,923
Egbin Node/Alagbado	Nigerian Gas Company	24.856	24	1,598,131	286,916
Alagbado/SNG	Nigerian Gas Company	42.8766	12, 6, 4	392,523	158,879
Ajaokuta/Obajana	Nigerian Gas Company	56.5474	18	841,121	476,636
PZ MS/Ikorodu	Nigerian Gas Company	32.3128	18	63,438	50,467
Alakiri/Notore Onne	Nigerian Gas Company	10.5638	14	1,289,720	51,028
Imo River/Aba Industries	Nigerian Gas Company	7.4568	12	327,103	20,948
Alakiri/Ikot-Abasi	Nigerian Gas Company	72.7038	14, 16, 24	1,495,327	83,669
Obiafu/Ubeta Node	Nig LNG Ltd	18.02	24	4,547,643	na
Ubeta Node/Rumuji	Nig LNG Ltd	20.51	28	7,234,886	na
Soku/Rumuji	Nig LNG Ltd	25.48	28	6,201,331	na
Rumuji Node/Bonny	Nig LNG Ltd	53.44	36	12,919,439	na
Soku/Bonny	Shell PDC Ltd	62.14	40	14,469,772	na
Bonga/Riser	Shell PDC Ltd	55.92	16	2,067,110	na
Riser/Bonny	Shell PDC Ltd	164.04	32	12,402,662	na
Obiafu/Rumuji	Nig Agip Oil Co Ltd	38.53	24	5,167,776	na
Rumiji/Bonny	Nig Agip Oil Co Ltd	50.95	36	7,234,886	na
Amenam/Bonny	Total EPNG Ltd	34.18	24	7,338,242	na
Qatar					
Ras-Laffan (Qatar)/Abu Dhabi (UAE)	Dolphin Energy	230	48	121,490,937	5,564,371,320
Saudi Arabia					
Abqaiq/Yanbu	Saudi Aramco	741	48	na	na
Pump Station and A47/Yanbu	Saudi Aramco	600	42/48/56	na	na
UBTG-1 km 0/Berri	Saudi Aramco	155	56	na	na
UBTG-1 km 0/Berri	Saudi Aramco	154	36/38/40/42	na	na
UBTG-1 km 56/AY-1 KP 916	Saudi Aramco	152	56	na	na
UBTG-1 km 0/Juanymah	Saudi Aramco	127	28/30/38/40	na	na
Safaniah PS/Juanymah	Saudi Aramco	123	40	na	na
AY-1 KP 943/Riyadh	Saudi Aramco	95	48	na	na
Tanjib/Berri	Saudi Aramco	90	30	na	na

Gas pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity	Amount transported
Saudi Arabia (<i>cont'd</i>)					
				(1,000 scm/yr)	
Haradh/Uthmaniya	Saudi Aramco	87	48	na	na
Abqaiq/Berri	Saudi Aramco	85	24/36	na	na
Haradh-3/Uthmaniya	Saudi Aramco	77	24/32	na	na
UA-1 km 199/Uthmaniya	Saudi Aramco	62	24/32	na	na
Juaymah/Jubail	Saudi Aramco	35	30/38/40	na	na
UBTG-1 km 0/UBTG-1 km 56	Saudi Aramco	35	48	na	na
UBTG-1 km 0/UBTG-1 km 56	Saudi Aramco	35	40	na	na
Hawiyah/UBTG-1 km 0	Saudi Aramco	35	56	na	na
Abqaiq-B/Shedgum	Saudi Aramco	33	42	na	na
Waqr Khuff/Haradh	Saudi Aramco	31	30	na	na
Hawiyah/Uthmaniyah	Saudi Aramco	29	32	na	na
Qatif North/Berri	Saudi Aramco	28	32	na	na
Haradh Khuff/Hawiyah	Saudi Aramco	27	30	na	na
Haradh Khuff/Hawiyah	Saudi Aramco	27	30	na	na
Haradh Khuff/Hawiyah	Saudi Aramco	27	30	na	na
Tinat Kuff/Haradh	Saudi Aramco	27	20	na	na
Abu Ali/Berri	Saudi Aramco	26	32	na	na
Berri/Abu Ali	Saudi Aramco	2 x 24	8/10	na	na
Aindar/Shedgum	Saudi Aramco	21	12	na	na
Depco/Abqaiq	Saudi Aramco	20	40	na	na
United Arab Emirates					
Habshan/Maqta	ADNOC	81	42	na	na
Bab/Maqta	ADNOC	83	30	na	na
Bab/Ruwais	ADNOC	68	30	na	na
Maqta/Taweelah	ADNOC	2 x 33	24, 36	na	na
Maqta/Al Ain	ADNOC	100	30	na	na
Murgam/Jabel Ali	Dubai-Government	47	24	na	na
Sajaa/Sharjah	Emmarat	27	18/6/4	na	na
Venezuela					
Muscar (2)/Soto Lazo	PDVSA	80.2	26	8,268,564	7,066,666
Santa Barbara/Aguassay	PDVSA	30.4	26	4,134,282	3,980,208
Santa Barbara/Aguassay	PDVSA	30.4	36	8,268,564	7,323,533
La Pica/Tablazo	PDVSA	40.81	16	1,860	310
La Pica/Tablazo	PDVSA	40.81	16	1,860	413
La Pica/Tablazo	PDVSA	41.16	20	2,274	826
Lama/La Pica	PDVSA	36.56	16	1,860	310
PCTJ-3/Bajo Grande	PDVSA	25.62	12	1,445	413
Casigua/La Fria	PDVSA	75	8	155	62
Casigua/La Fria	PDVSA	47.25	12	124	62
Morichal (EPM-1)/Pto Ordaz (EVMOR)	PDVSA	19,8/31,9	16	1,208	516,747

Table 4.11

Transportation

Petroleum product pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity (m t)	Volume (m t)
Algeria					
Alger/Blida	Naftal	30	10	2.268	1.023
Skikda/Khroub	Naftal	56	12	2.337	1.913
Arzew/Sidi Bel Abbès	Naftal	45	8/12	1.737	0.877
Sidi Bel Abbès/Tlemcen		43	8	0.33	0.142
Skikda/Berrahal	Naftal	46	8/12	2.954	na
Angola					
	na	na	na	na	na
Ecuador					
Esmeraldas/Santo Domingo	Petrocomercial	101	16	2.9	0.58
Santo Domingo/Beaterio (Quito)	Petrocomercial	54	12	2.4	2.16
Santo Domingo/Pascuales (Guayaquil)	Petrocomercial	170	10	1.7	0.62
Libertad/Barbasquilo/Guayaquil	Petrocomercial	104	6	0.4	0.38
Libertad/Pascuales (Guayaquil)	Petrocomercial	78	10	0.7	0.46
Shushufindi/Beaterio (Quito)	Petrocomercial	187	6	0.3	0.13
Quito/Ambato	Petrocomercial	69	6	0.5	0.55
IR Iran					
Mahshahr/Abadan	NIOC	63	16	na	na
Abadan/Ahwz	NIOC	94	12, 16	na	na
Ahwaz/Rey	NIOC	510	10, 14, 10	na	na
Ahwaz/Rey	NIOC	469	16, 20, 16	na	na
Esfahan/Rey	NIOC	231	18	na	na
Esfahan/Rey	NIOC	231	24	na	na
Arak/Rey	NIOC	160	10, 16	na	na
Arak/Hamedan	NIOC	107	12	na	na
Rey/Tabriz	NIOC	476	14	na	na
Tabriz/Orumaieh	NIOC	174	8, 10	na	na
Rey/Rasht	NIOC	195	14, 16, 18	na	na
Rey/Karadj	NIOC	36	8	na	na
Gahazvin/Rasht	NIOC	109	6	na	na
Rey/Mashad	NIOC	523	20, 22	na	na
Shahrood/Mashad	NIOC	275	8	na	na
Shahrood/Gorgan — Gonbad	NIOC	103	8, 10	na	na
Imam — Taghy/Torbat Haidar	NIOC	58	8	na	na
Rey/Sary	NIOC	178	12, 16	na	na
Iraq					
Huzairan Depot/Baiji	OPC	98	12 x 2 16 x 69	5.6	na
Baiji/HamamAlil	OPC	167	16	15	na
Baiji/Kirkuk	OPC	86	12	6	56.81
Baiji/T1	OPC	242	16	5	na

Petroleum product pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity (m t)	Volume (m t)
Iraq (cont'd)					
Baiji/Mushahdah	OPC	168	22	na	na
Baiji/Mushahdah	OPC	168	8	24	na
Daura/Baghdad international airport	OPC	28	8	3.1	5.30
Duara/Rusafa	OPC	51	10	6	26.76
Hamam Alil/Felfel	OPC	65	32	15	na
Karkh/Habania	OPC	156	16 x 31 12 x 125	6	na
Khour Al-Zubair/Shuaiba	OPC	45	8/10	3.5	na
Mushahdah/Karkh	OPC	111	12	9.1	na
Mushahdah/Rusafa	OPC	52	12	8.5	na
Nasuria/Duara	OPC	379	10/14	5.5	42.39
Nasuria/Kut	OPC	186	8	2.2	na
North Gas/Salah Al-Dean refinery	OPC	86	8	2.9	na
Rusafa/Diala	OPC	25.4	8	5	na
Shuaiba/Nasuria	OPC	162	14	6	63.88
Shuaiba/Khour Al-Zubair	OPC	47	8/10	9	na
Shuaiba/Muftia	OPC	21	10	5.5	na
Shuaiba/Muftia	OPC	21	6	2	na
Shuaiba/Muftia	OPC	21	8	3.5	24.99
Kuwait					
Maa refinery/Suhan(Mogas)	KNPC	20	12	na	1.8
Maa refinery/Kafco	KNPC	25	8	na	0.15
Maa refinery/Suhan(kero and gas oil)	KNPC	20	8	na	0.032
Maa refinery/Al-Zour	KNPC	52	18/16	na	6.7
Shuaiba/Kafco	KNPC	22	8	1.5	0.7
Shuaiba/ML (unleaded gasoline)	KNPC	22	10	1.8	0.66
Shuaiba/Kafco LM (gas oil)	KNPC	22	8	1.4	1.23
Libya					
Azzawya/Alfateh	Elbrega Co	55	16	17.7	na
Azzawya/Alfateh	Elbrega Co	55	10	13	na
Azzawya/Janzour	Elbrega Co	34	8	5.37	na
Azzawya/Elwettia	Elbrega Co	90	16	21	na
Azzawya/Eljmail	Elbrega Co	65	16	21	na
Nigeria					
Warri/Benin/Auchi-Sul	NNPC/PPMC	446	16	na	na
Atlas Cove/Mosimi	NNPC/PPMC	73	16	na	na
Mosimi/LG/IB/IKJ	NNPC/PPMC	174	6, 12	na	na
Mosimi/Satellie	NNPC/PPMC	29	8, 12	na	na
Mosimi/Ore	NNPC/PPMC	95	12	na	na
Ibadan/Ilorin	NNPC/PPMC	169	6	na	na

Table 4.11

Transportation

Petroleum product pipelines in OPEC Members, 2010

	Owner or operator	Length (miles)	Diameter (inches)	Capacity (m t)	Volume (m t)
Nigeria (cont'd)					
Kaduna/Kano	NNPC/PPMC	225	10	na	na
Kaduna/Jos	NNPC/PPMC	165	10, 12	na	na
Suleja/Minna	NNPC/PPMC	50	8	na	na
Jos/Gombe/Maiduguri	NNPC/PPMC	830	6,8	na	na
Port Harcourt/Enugu	NNPC/PPMC	131	12	na	na
Port Harcourt/Aba	NNPC/PPMC	34	12	na	na
Enugu/Makurdi	NNPC/PPMC	167	8	na	na
Enugu/Makurdi/Yola	NNPC/PPMC	637	8	na	na
Enugu/Auchi/Kaduna	NNPC/PPMC	559	12	na	na
Enugu/Auchi	NNPC/PPMC	106	12	na	na
Qatar					
Mesaieed/Doha	QP Refinery	2 x 27	12, 18	4.2	2.96
Saudi Arabia					
Dharan/Riyadh	Saudi Aramco	246	20	173	na
Riyadh/Qasim	Saudi Aramco	225	16	80	na
Yanbu/Madina	Saudi Aramco	93	14	50	na
Ras Tanura/Dhahran	Saudi Aramco	66	20	200	na
Ras Tanura/Dhahran	Saudi Aramco	23, 22	12, 12	160	na
Abqaiq/Alhasa	Saudi Aramco	40	8	23	na
United Arab Emirates					
Mussaffah/Ai Ain	Takreer	101	10	na	na
Mussaffah/Abu Dhabi airport	Takreer	17	10	na	na
Ruwais Refinery/Mussaffah	Takreer	129	16	na	na
Abu Dhabi Refinery/Mussaffah	Takreer	10	12	na	na
Abu Dhabi refinery LPG/Mussaffah	Takreer	10	8	na	na
Abu Dhabi refinery/Abu Dhabi airport	Takreer	10	10	na	na
Venezuela					
Puerto La Cruz/San Tome	PDVSA	99	16	1.2	0.6
San Tome/Maturin	PDVSA	99	8	0.94	0.77
San Tome/Puerto Ordaz	PDVSA	124	12	1.2	0.74
Puerto Ordaz/Ciudad Bolivar	PDVSA	44	8	1.2	0.3
Bajo Grande/San Lorenzo	PDVSA	70	12	3.19	0.97
San Lorenzo/El Vigia	PDVSA	104	12	2.69	1.55
Carenero plant/Guatire plant	PDVSA	45	16	3.28	2.48
El Plaito refinery/Yagua plant	PDVSA	29	16	2.5	2.6
El Palitio refinery/Barquisimeto plant	PDVSA	95	12	2.15	2.69

Notes: Figures as at year-end.

Section 5 Prices



Table 5.1

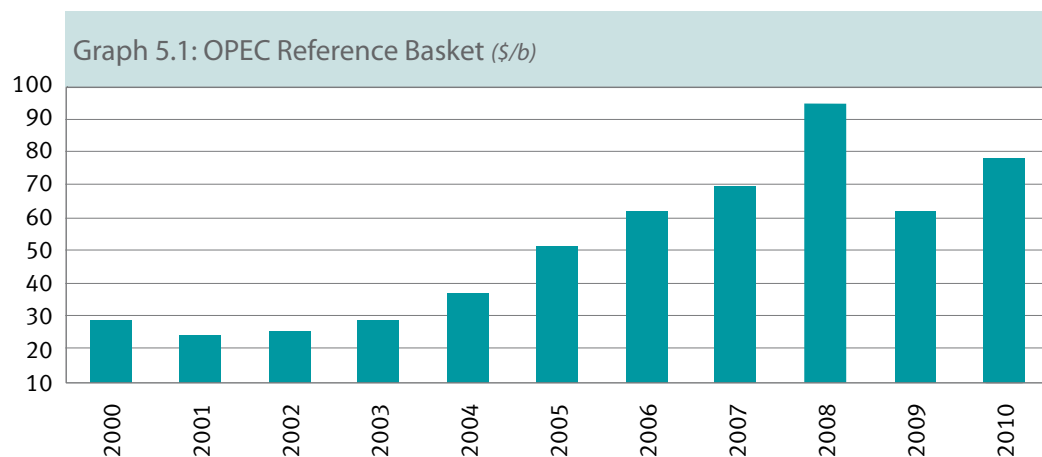
P r i c e s

Spot OPEC Reference Basket prices (\$/b)

	Algeria	Angola	Ecuador	IR Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Venezuela	OPEC
	Saharan Blend	Girassol	Oriente	Iran Heavy	Basra Light	Kuwait Export	Ess Sider	Bonny Light	Marine	Arab Light	Murban	Merey ¹	Reference Basket
2000	28.77	na	27.37	26.02	na	25.78	28.62	28.49	26.63	26.81	27.75	na	27.60
2001	24.74	na	21.78	21.67	na	21.37	24.70	24.50	23.23	23.06	24.02	na	23.12
2002	24.91	31.02	21.95	23.09	23.32	23.61	24.55	25.15	23.99	24.32	24.87	na	24.36
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
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
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
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
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
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
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
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

Notes: OPEC Reference Basket: 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.



Spot crude oil prices (\$/b)

	Algeria Zarzaitine	Angola Cabinda	IR Iran Iran Light	Libya Brega	Nigeria Forcados	Qatar Dukhan	Saudi Arabia Arab Heavy
2000	28.82	27.22	26.75	28.65	28.40	26.95	25.25
2001	24.86	22.83	22.90	24.70	24.24	23.74	21.90
2002	25.06	24.27	23.52	24.96	25.05	24.37	23.38
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

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

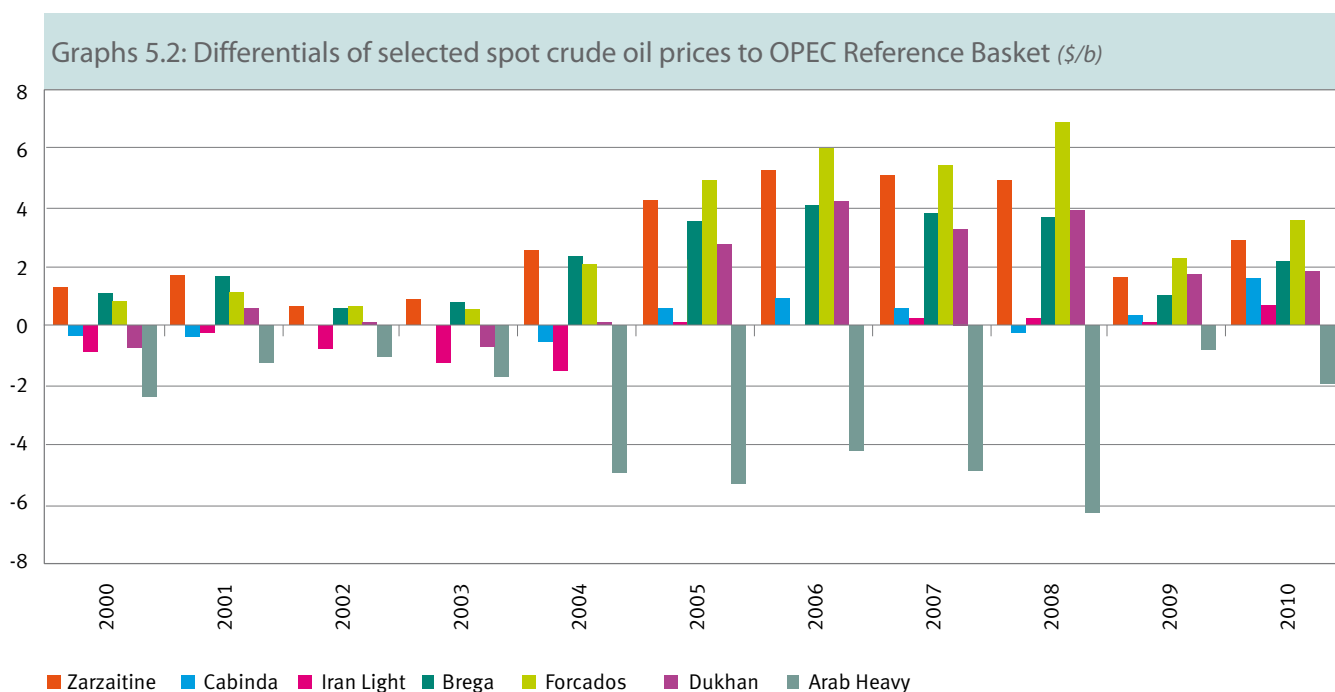


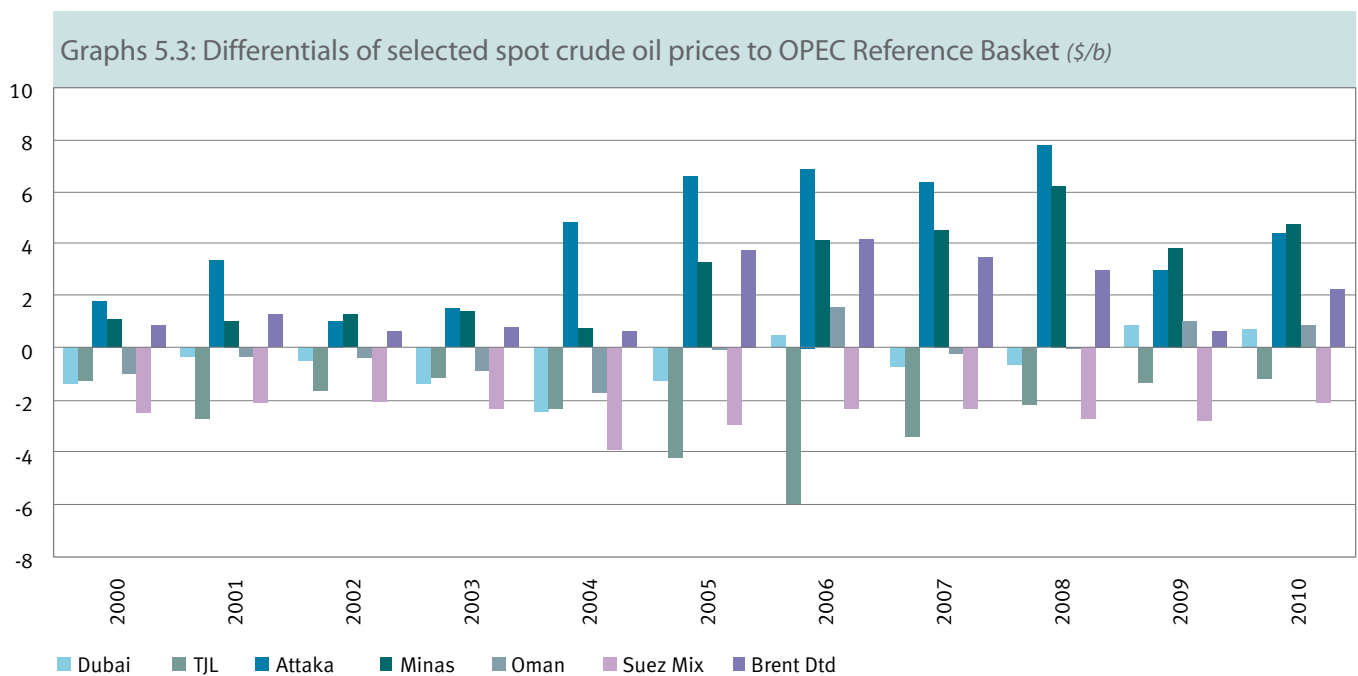
Table 5.2

P r i c e s

Spot crude oil prices (\$/b)

	UAE Dubai	Venezuela TJL	Indonesia Attaka	Indonesia Minas	Oman Oman	Egypt Suez Blend	UK Brent Dtd
2000	26.25	26.31	29.45	28.75	26.50	25.16	28.44
2001	22.83	20.35	26.45	24.11	22.75	21.09	24.46
2002	23.83	22.61	25.38	25.60	23.94	22.45	25.03
2003	26.77	26.97	29.58	29.52	27.14	25.76	28.81
2004	33.66	33.66	40.87	36.85	34.35	32.19	38.23
2005	49.36	46.37	57.26	54.01	50.48	47.71	54.44
2006	61.54	55.07	67.91	65.23	62.59	58.74	65.16
2007	68.38	65.65	75.44	73.56	68.86	66.78	72.55
2008	93.85	92.25	102.16	100.65	94.51	91.68	97.37
2009	61.83	59.69	64.00	64.90	62.06	58.38	61.68
2010	78.10	76.22	81.78	82.28	78.34	75.40	79.60

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



Spot crude oil prices (\$/b)

	UK Forties	Norway Ekofisk	Norway Oseberg	Mexico Isthmus	Mexico Maya	China Daqing	Malaysia Tapis
2000	28.61	28.42	28.67	27.80	22.87	28.74	29.74
2001	24.60	24.39	24.54	22.22	17.31	24.78	25.44
2002	24.98	24.88	25.02	24.12	20.93	25.45	25.69
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

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

Graphs 5.4: Differentials of selected spot crude oil prices to OPEC Reference Basket (\$/b)

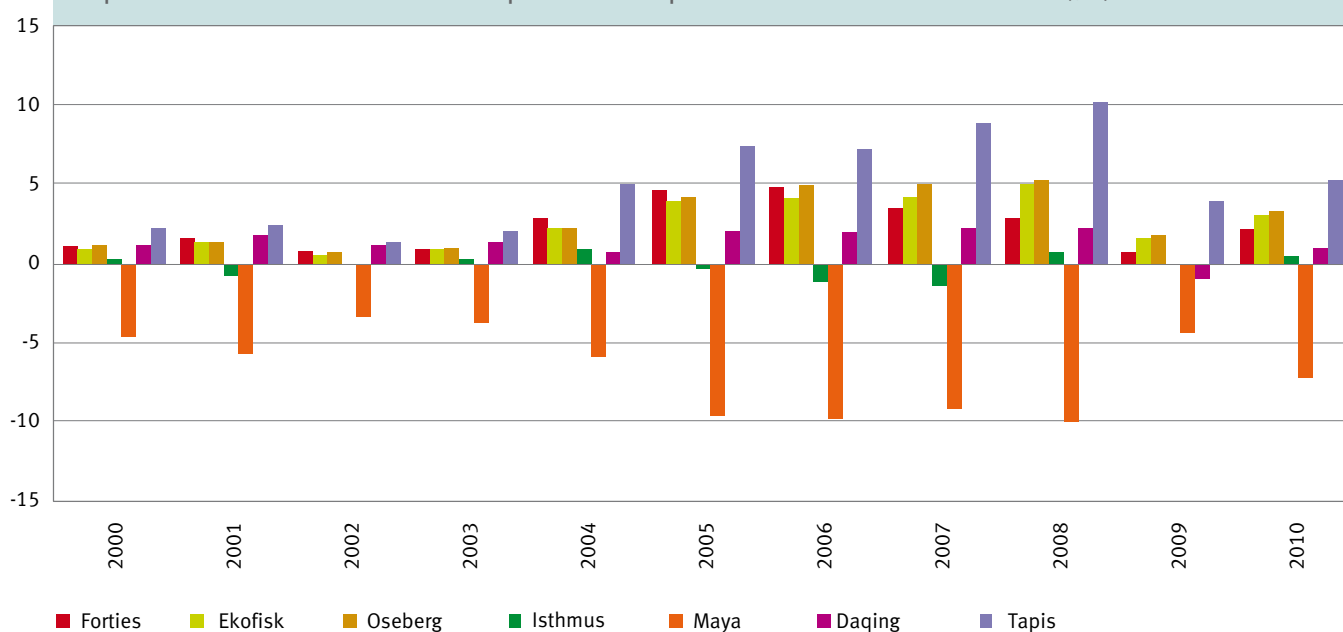


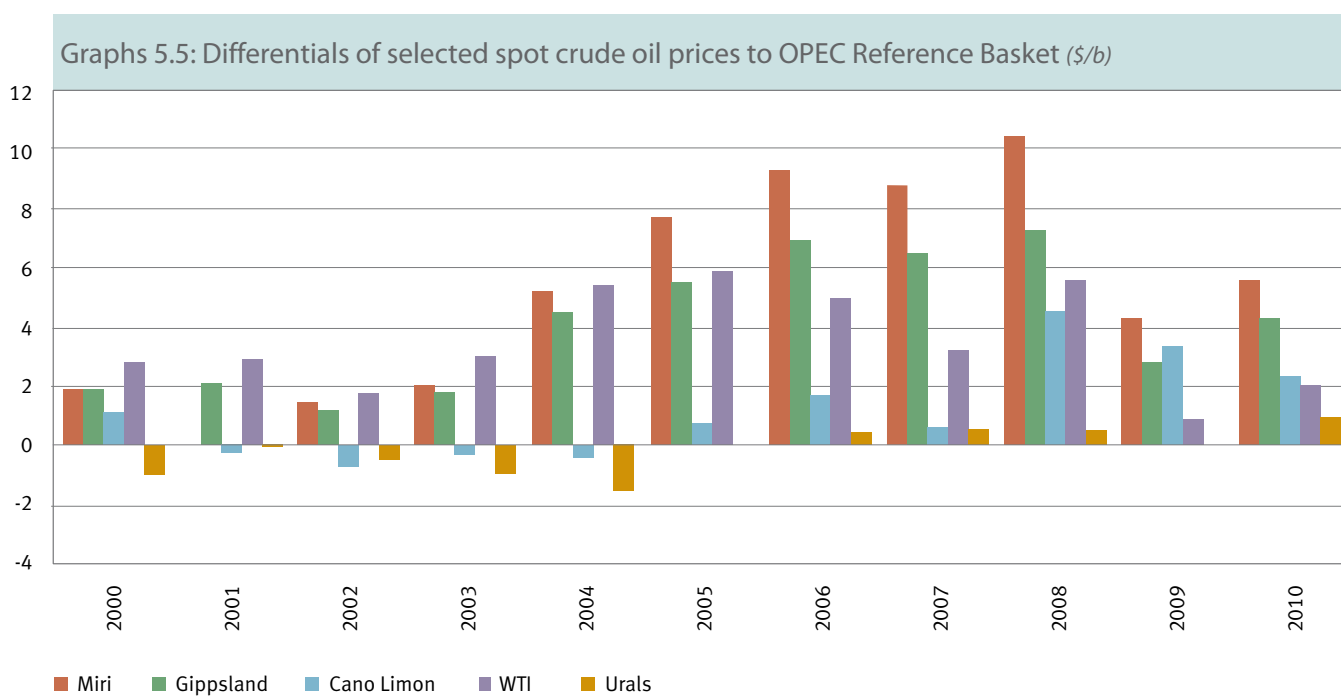
Table 5.2

P r i c e s

Spot crude oil prices (\$/b)

	Malaysia Miri	Australia Gippsland	Colombia Cano Limon	USA WTI	Russia Urals
2000	29.39	29.41	28.57	30.37	26.58
2001	na	25.22	22.82	26.00	22.97
2002	25.65	25.47	23.55	26.13	23.80
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

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



Crude oil prices in nominal and real terms (\$/b)

	Nominal oil price ¹	Exchange rates ²	Nominal price adjusted for Inflation ³	Combined ⁴
2000	27.60	41.32	5.33	7.99
2001	23.12	35.72	4.36	6.74
2002	24.36	36.14	4.50	6.68
2003	28.10	36.31	5.07	6.56
2004	36.05	43.00	6.37	7.60
2005	50.64	60.43	8.74	10.43
2006	61.08	72.55	10.29	12.23
2007	69.08	76.80	11.36	12.63
2008	94.45	100.83	15.02	16.04
2009	61.06	68.76	9.72	10.95
2010	77.45	89.79	12.09	14.01

Notes: Base: 1973 = 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: Crude oil prices in nominal and real terms: base 1973=100 (\$/b)

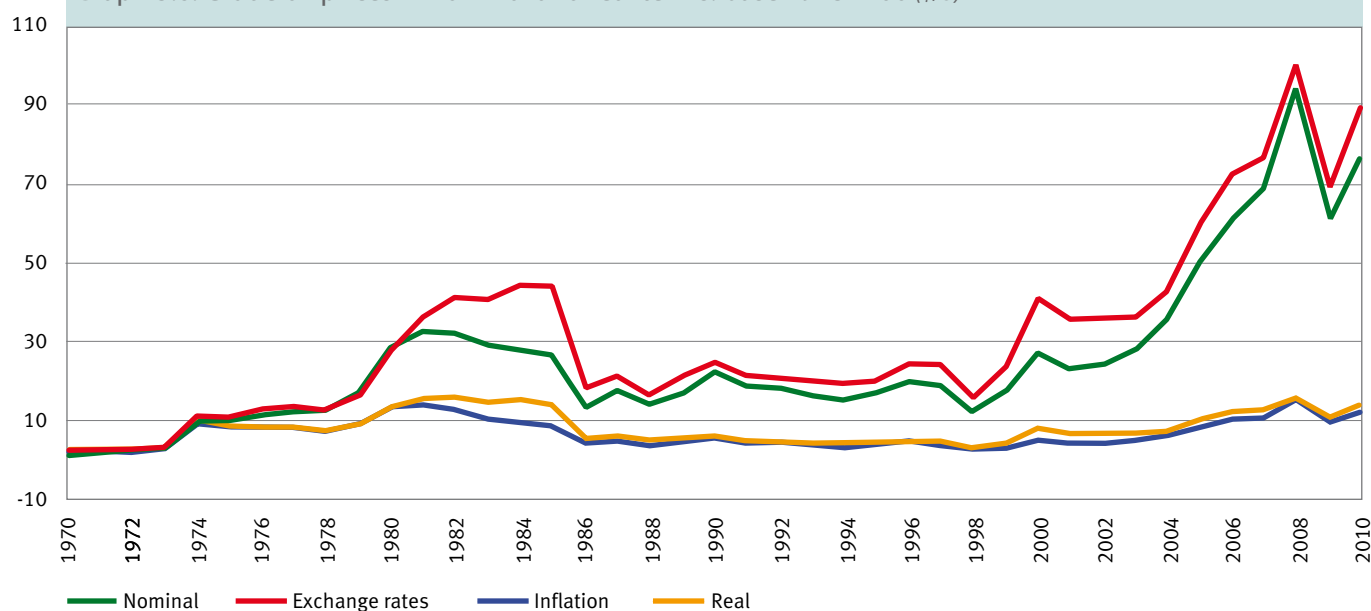


Table 5.4

P r i c e s

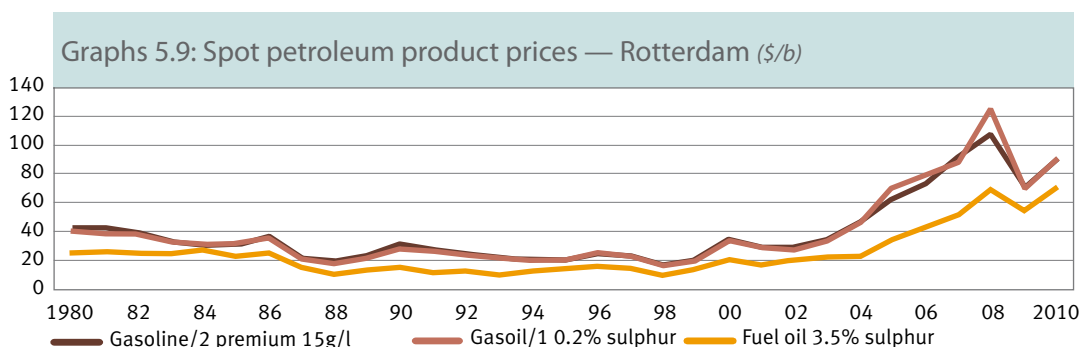
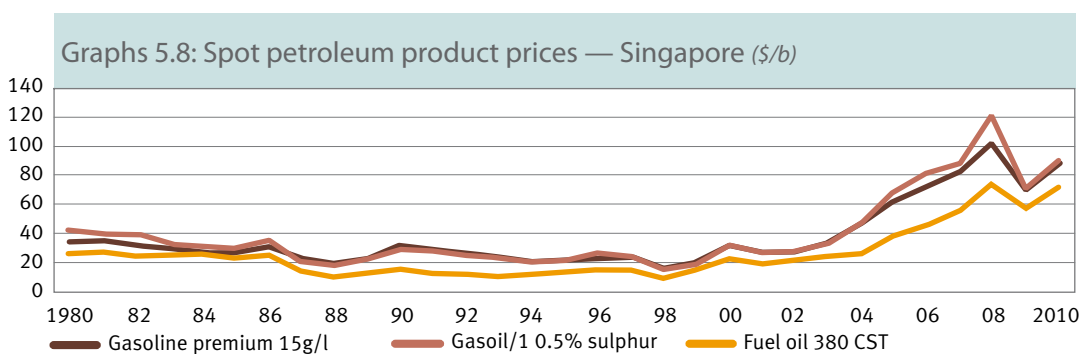
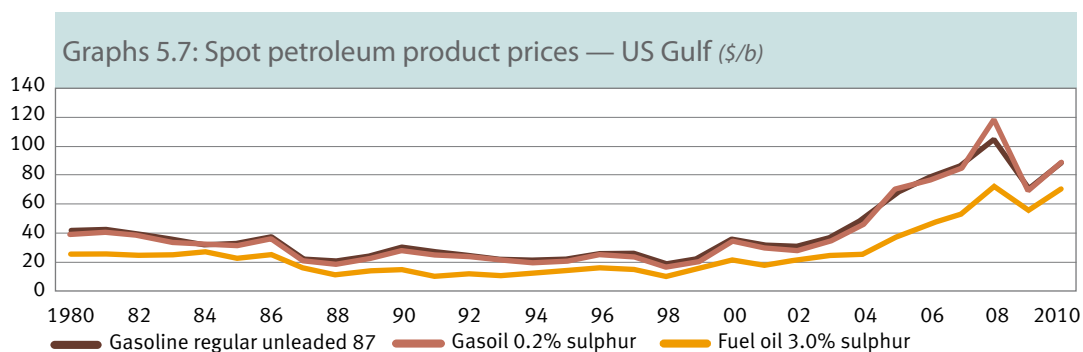
Spot prices of petroleum products in major markets (\$/b)

	US Gulf			Singapore			Rotterdam		
	gasoline	gasoil	fuel oil	gasoline	gasoil ¹	fuel oil	gasoline ²	gasoil ¹	fuel oil
	reg unl 87	0.2% sulphur	3.0% sulphur	prem 0.15g/l	0.5% sulphur	380 CST	prem 0.15g/l	0.2% sulphur	3.5% sulphur
2000	35.10	34.04	20.77	32.55	32.46	23.04	35.16	33.76	20.47
2001	31.02	29.04	17.18	27.47	27.30	19.42	29.29	28.77	17.08
2002	30.44	27.75	20.69	28.00	28.15	21.83	28.47	27.33	19.76
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	126.20	69.37
2009	69.98	68.00	55.90	69.92	70.59	57.16	70.45	69.52	54.22
2010	87.87	88.49	69.99	88.26	90.63	72.26	91.41	90.86	71.03

Notes: US Gulf and Singapore prices apply to cargo; Rotterdam prices apply to barge size lots. 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 per cent sulphur. Gasoline specification for Rotterdam is 97–98 RON with 0.15 gram per litre lead.

1. From 2005, gasoil with 0.05 per cent sulphur.

2. From 2005, unleaded 95 RON.



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

	FX rate to \$	2006	FX rate to \$	2007	FX rate to \$	2008	FX rate to \$	2009	FX rate to \$	2010
Algeria	72.9		69.7		64.6		72.0		74.4	
Gasoline		2,097.5		2,210.0		2,226.7		2,226.7		2,226.7
Diesel oil		1,315.0		1,370.0		1,370.0		1,370.0		1,370.0
Kerosene		182.9		na		na		na		na
Fuel oil		156.9		170.0		na		na		na
Angola	86.9		77.4		75.0		78.2		78.2	
Gasoline		28,084.2		28,084.2		na		28,084.2		28,084.2
Diesel oil		14,028.6		14,028.6		na		14,028.6		14,028.6
Kerosene		15,690.1		15,690.1		na		15,690.1		15,690.1
Fuel oil		50.8		50.8		na		50.8		50.8
Ecuador	1.0		1.0		1.0		1.0		1.0	
Gasoline		na		na		238.1		238.1		238.1
Diesel oil		na		na		143.4		143.4		143.4
Kerosene		na		na		143.4		143.4		143.4
Fuel oil		na		na		89.5		89.5		89.5
IR Iran	9164.7		9274.9		9467.0		9878.4		10066.5	
Gasoline		159,000.0		174,900.0		174,900.0		198,750.0		198,750.0
Diesel oil		30,170.3		64,395.0		26,235.0		26,235.0		26,235.0
Kerosene		28,858.5		26,235.0		26,235.0		26,235.0		26,235.0
Fuel oil		8,256.4		9,946.2		10,104.5		10,104.5		20,208.9
Iraq	1464.4		1254.9		1193.1		1160.2		1167.2	
Gasoline		na		na		71,550.0		71,550.0		67,575.0
Diesel oil		na		na		63,600.0		63,600.0		186,030.0
Kerosene		na		na		35,775.0		35,775.0		15,900.0
Fuel oil		na		na		41,737.5		41,737.5		na
Kuwait	0.3		0.3		0.3		0.3		0.3	
Gasoline		113.3		113.3		114.0		114.0		114.0
Diesel oil		87.5		87.5		87.5		87.5		87.5
Kerosene		87.5		87.5		87.5		87.5		87.5
Fuel oil		28.9		na		na		na		na
Libya	1.3		1.3		1.2		1.3		1.3	
Gasoline		23.9		25.4		28.6		31.8		31.8
Diesel oil		22.3		23.9		27.0		30.2		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	128.3		125.5		118.7		149.6		149.6	
Gasoline		10,333.8		na		11,130.0		14,531.0		10,335.0
Diesel oil		13,747.5		na		14,310.0		14,922.2		16,641.7
Kerosene		8,337.3		na		7,950.0		15,357.8		18,614.1
Fuel oil		4,038.9		na		4,038.6		11,452.8		na
Qatar	3.6		3.6		3.6		3.6		3.6	
Gasoline		119.3		119.3		119.3		119.3		119.3
Diesel oil		143.1		143.1		143.1		na		na
Kerosene		63.6		na		na		na		na
Fuel oil		na		na		na		na		na
Saudi Arabia	3.8		3.8		3.8		3.8		3.8	
Gasoline		95.4		83.5		83.5		83.5		83.5
Diesel oil		39.8		39.8		39.8		39.8		39.8
Kerosene		68.5		69.2		69.2		69.2		68.4
Fuel oil		23.9		na		na		na		na
United Arab Emirates	3.7		3.7		3.7		3.7		3.7	
Gasoline		218.6		218.6		218.6		218.6		218.6
Diesel oil		314.8		300.7		300.7		300.7		300.7
Kerosene		287.2		na		na		na		na
Fuel oil		95.4		na		na		na		na
Venezuela	4.3		4.3		4.3		4.3		4.3	
Gasoline		14.7		13.3		13.3		13.3		13.3
Diesel oil		8.9		9.1		7.6		7.6		7.6
Kerosene		369.2		369.2		369.2		369.2		369.2
Fuel oil		9.6		9.6		9.6		9.6		9.6

Notes: Prices partly estimated and preliminary. Quotations partially converted from US dollars to national currency.

Table 5.6

P r i c e s

Retail prices of petroleum products in OPEC Members (\$/b)

	2006	2007	2008	2009	2010
Algeria					
Gasoline	28.8	31.7	34.5	30.9	29.9
Diesel oil	18.0	19.7	21.2	19.0	18.4
Kerosene	2.5	na	na	na	na
Fuel oil	2.2	2.4	na	na	na
Angola					
Gasoline	323.4	362.9	na	359.3	359.3
Diesel oil	192.5	201.3	na	194.9	194.9
Kerosene	215.4	225.1	na	218.0	218.0
Fuel oil	0.7	0.7	na	0.7	0.7
Ecuador					
Gasoline	na	na	238.1	238.1	238.1
Diesel oil	na	na	143.4	143.4	143.4
Kerosene	na	na	143.4	143.4	143.4
Fuel oil	na	na	89.5	89.5	89.5
IR Iran					
Gasoline	17.3	18.9	18.5	20.1	19.7
Diesel oil	3.3	6.9	2.8	2.7	2.6
Kerosene	3.1	2.8	2.8	2.7	2.6
Fuel oil	0.9	1.1	1.1	1.0	2.0
Iraq					
Gasoline	na	na	60.0	61.7	58.3
Diesel oil	na	na	53.3	54.8	na
Kerosene	na	na	30.0	30.8	127.3
Fuel oil	na	na	35.0	36.0	na
Kuwait					
Gasoline	390.4	398.5	423.7	395.3	395.3
Diesel oil	301.3	307.6	325.1	303.4	303.4
Kerosene	301.3	307.6	325.1	303.4	303.4
Fuel oil	99.6	na	na	na	na
Libya					
Gasoline	18.3	20.2	23.5	25.4	25.4
Diesel oil	17.1	18.9	22.2	24.1	21.6
Kerosene	9.8	10.1	10.4	10.2	10.2
Fuel oil	2.7	2.8	2.9	2.8	2.8
Nigeria					
Gasoline	80.5	na	93.8	97.1	68.4
Diesel oil	107.1	na	120.6	99.7	110.9
Kerosene	65.0	na	67.0	102.6	124.1
Fuel oil	31.5	na	34.0	76.5	na
Qatar					
Gasoline	32.8	32.8	32.8	32.7	32.7
Diesel oil	39.3	39.3	39.3	na	na
Kerosene	17.5	na	na	na	na
Fuel oil	na	na	na	na	na
Saudi Arabia					
Gasoline	25.4	22.3	22.3	22.3	22.3
Diesel oil	10.6	10.6	10.6	10.6	10.6
Kerosene	18.3	18.4	18.4	18.4	18.4
Fuel oil	6.4	na	na	na	na
United Arab Emirates					
Gasoline	59.5	59.5	59.5	59.5	59.5
Diesel oil	85.7	81.9	81.9	81.9	81.9
Kerosene	78.2	na	na	na	na
Fuel oil	26.0	na	na	na	na
Venezuela					
Gasoline	3.4	3.1	3.1	3.1	3.1
Diesel oil	2.1	2.1	1.8	1.8	1.8
Kerosene	85.9	85.9	85.9	85.9	85.9
Fuel oil	2.2	2.2	2.2	2.2	2.2

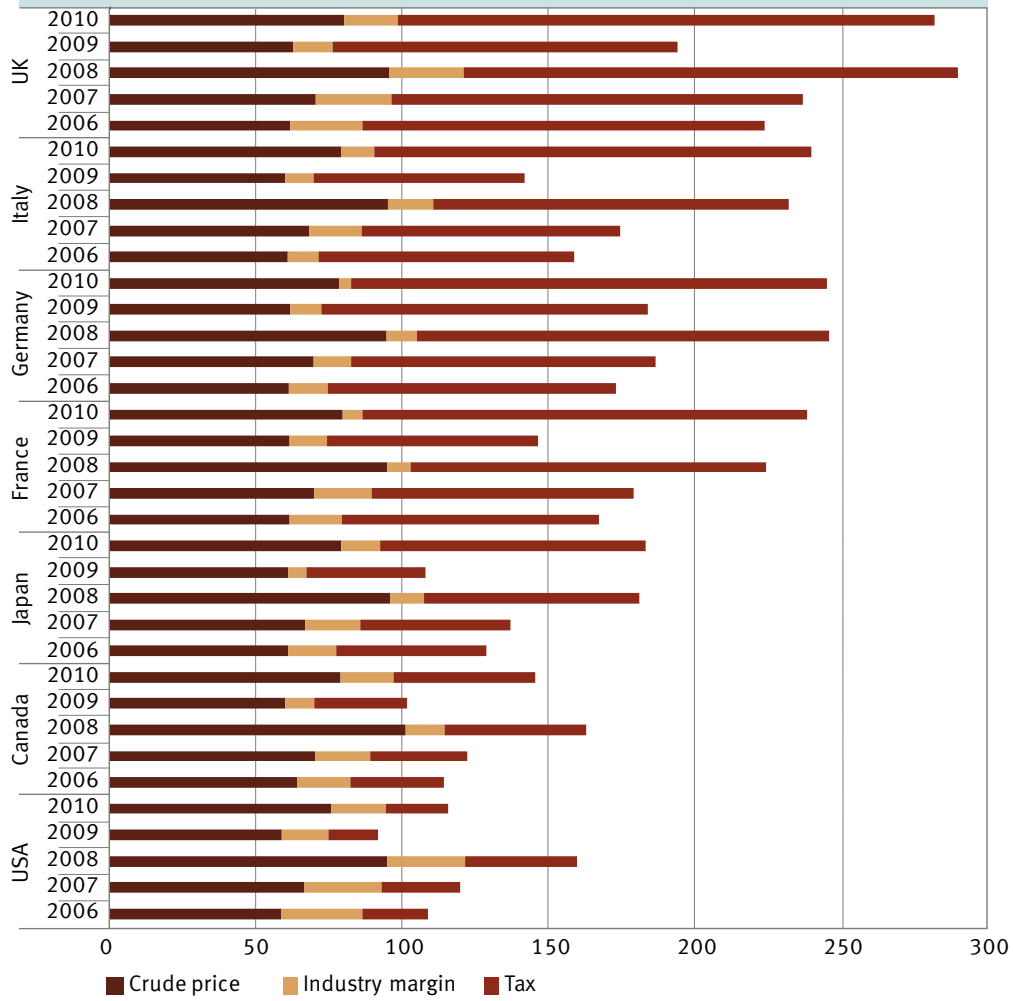
Notes: Prices partly estimated and preliminary.

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

	2006			2007			2008			2009			2010		
	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y
United States															
Composite barrel	87.0		20.5	119.7		10.1	159.6		33.4	91.8		-42.5	115.9		26.3
Crude cif price	48.8	56.1	36.1	66.8	55.8	12.9	95.0	59.5	42.2	58.8	64.1	-38.1	76.0	65.6	29.2
Tax	19.7	22.6	7.1	26.8	22.4	17.5	38.1	23.9	42.3	16.9	18.4	-55.7	21.4	18.4	26.7
Industry margin	18.5	21.2	3.0	26.1	21.8	-2.3	26.5	16.6	1.5	16.1	17.5	-39.5	18.5	16.0	15.2
Canada															
Composite barrel	92.1		16.4	122.4		7.1	162.9		33.1	101.8		-37.5	145.6		42.9
Crude cif price	52.4	56.9	37.3	70.0	57.2	8.9	101.4	62.2	44.8	60.3	59.2	-40.5	79.1	54.4	31.3
Tax	26.4	28.7	20.5	33.4	27.3	4.7	48.4	29.7	45.0	31.8	31.2	-34.3	48.4	33.3	52.3
Industry margin	13.33	14.5	-30.1	19.0	15.5	4.9	13.1	8.0	-30.8	9.7	9.6	-25.7	18.0	12.4	84.9
Japan															
Composite barrel	112.7		10.5	137.0		6.7	181.2		32.2	108.3		-40.2	182.9		68.9
Crude cif price	51.57	45.8	54.9	70.1	51.2	9.5	101.0	55.7	44.1	61.3	56.6	-39.3	79.4	43.4	29.6
Tax	40.3	35.8	6.1	51.1	37.3	0.6	73.7	40.7	44.2	40.9	37.8	-44.4	90.7	49.6	121.6
Industry margin	20.83	18.5	-32.1	15.8	11.5	16.5	6.5	3.6	-58.8	6.1	5.6	-6.9	12.7	7.0	109.9
France															
Composite barrel	136.8		18.6	179		7.1	224.1		25.2	146.6		-34.6	238.2		62.4
Crude cif price	52.7	38.6	50.7	72.2	40.3	13.4	97.6	43.6	35.2	61.6	42.0	-36.9	79.8	33.5	29.4
Tax	71.4	52.2	1.4	89.4	49.9	2.2	120.8	53.9	35.2	72.1	49.2	-40.3	151.8	63.8	110.5
Industry margin	14.5	10.6	45.0	19.6	10.9	10.7	8.0	3.6	-59.0	12.9	8.8	60.1	6.6	2.8	-49.0
Germany															
Composite barrel	123.3		12.6	186.3		7.8	245.7		31.9	193.5		-21.2	245.7		27.0
Crude cif price	52.3	42.4	53.4	71.6	38.4	13.1	96.7	39.4	35.1	61.2	31.6	-36.7	78.5	32.0	28.3
Tax	62.5	50.7	1.3	103.9	55.8	5.4	140.3	57.1	35.1	111.1	57.4	-20.8	162.9	66.3	46.6
Industry margin	10.3	8.4	-25.4	12.7	6.8	-1.6	11.1	4.5	-13.0	21.2	11.0	91.9	4.3	1.7	-79.8
Italy															
Composite barrel	127.1		14.5	174.3		9.9	231.8		33.0	151.7		-34.6	239.5		57.9
Crude cif price	51.33	40.4	50.1	70.2	40.3	12.3	96.7	41.7	37.7	60.7	40.0	-37.2	79.3	33.1	30.6
Tax	66.6	52.4	0.9	88.3	50.7	1.8	121.6	52.5	37.7	72.1	47.6	-40.7	149.1	62.3	106.7
Industry margin	10.5	8.3	-1.9	17.2	9.9	62.3	15.2	6.6	-11.7	18.9	12.4	24.1	11.1	4.6	-41.1
United Kingdom															
Composite barrel	181.7		17.5	236.9		5.9	289.3		22.1	194.0		-33.0	282.0		45.4
Crude cif price	53.79	29.6	54.1	73.8	31.2	13.5	99.3	34.3	34.6	62.4	32.2	-37.2	80.6	28.6	29.2
Tax	106.1	58.4	10.1	140.7	59.4	2.7	168.4	58.2	19.7	117.9	60.8	-30.0	183.6	65.1	55.8
Industry margin	23.9	13.2	3.0	25.4	10.7	4.5	24.8	8.6	-2.2	13.7	7.1	-44.7	17.7	6.3	29.1
G7															
Composite barrel	123.0		15.8	165.1		7.6	213.5		29.3	138.2		-35.3	207.1		49.8
Crude cif price	51.8	42.2	51.6	70.7	42.8	11.9	98.2	46.0	39.0	60.9	44.1	-38.0	79.0	38.1	29.7
Tax	56.1	45.7	5.3	76.2	46.2	3.6	101.6	47.6	33.3	66.1	47.8	-34.9	115.4	55.7	74.6
Industry margin	16.0	13.0	-15.0	19.4	11.8	9.6	15.0	7.0	-22.5	11.2	8.1	-25.4	12.7	6.1	13.2

Notes: Prices partly estimated and preliminary. Revisions have been made throughout the time series. Composite barrel is a consumption weighted average of final consumer prices of main groups of refined products (including taxes). Tax is a consumption weighted average of total taxes (including VAT) levied on refined products. Industry margin is a calculated value subtracting the tax and crude cif price from the price of composite barrel. Consumption weights for are estimated. Totals may not add up due to independent rounding.

Graph 5.10: Composite barrel and its components (\$/b)



Section 6

Major oil companies



Table 6.1

Majors oil companies

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

	2006	2007	2008	2009	2010
BP					
Crude oil & NGL reserves ¹	5,893	5,492	5,665	5,658	5,559
Natural gas reserves ²	42,168	41,130	40,005	40,388	37,809
Crude oil produced	2,475	2,414	2,401	2,535	2,374
Crude oil processed	2,198	2,127	2,155	2,287	2,426
Refined products sold	5,801	5,624	5,698	5,887	5,927
Natural gas sold ³	8,417	8,143	8,334	8,485	8,401
ExxonMobil					
Crude oil & NGL reserves ¹	11,568	11,074	12,006	11,651	11,673
Natural gas reserves ²	67,560	68,262	65,879	68,007	78,815
Crude oil produced	2,681	2,616	2,405	2,387	2,422
Crude oil processed	5,603	5,571	5,416	5,350	5,253
Refined products sold	7,247	7,099	6,761	6,428	6,414
Natural gas sold ³	9,334	9,384	9,095	9,273	12,148
Total					
Crude oil & NGL reserves ¹	6,471	5,778	5,695	5,689	5,987
Natural gas reserves ²	25,539	25,730	26,218	26,318	25,788
Crude oil produced	1,506	1,509	1,456	1,381	1,340
Crude oil processed	2,454	2,413	2,362	2,151	2,009
Refined products sold	3,682	3,774	3,658	3,616	3,776
Natural gas sold ³	4,674	4,839	4,837	4,923	5,648
Royal Dutch/Shell					
Crude oil & NGL reserves ¹	3,270	2,751	2,620	4,693	5,179
Natural gas reserves ²	30,058	22,825	25,927	29,961	28,983
Crude oil produced	1,948	1,818	1,693	1,581	1,619
Crude oil processed	3,862	3,779	3,388	3,067	3,197
Refined products sold	6,485	6,625	6,568	6,156	6,460
Natural gas sold ³	8,368	8,214	8,569	8,483	9,305
Chevron					
Crude oil & NGL reserves ¹	5,294	4,665	4,735	4,610	4,270
Natural gas reserves ²	19,910	19,137	19,022	22,153	20,755
Crude oil produced	1,732	1,756	1,649	1,846	1,923
Crude oil processed	1,989	1,833	1,858	1,878	1,894
Refined products sold	3,621	3,484	3,429	3,254	3,113
Natural gas sold ³	10,529	11,416	11,441	9,963	10,425
Total majors					
Crude oil & NGL reserves ¹	32,496	29,760	30,721	32,301	32,668
Natural gas reserves ²	185,235	177,084	177,051	186,827	192,150
Crude oil produced	10,342	10,113	9,604	9,730	9,678
Crude oil processed	16,106	15,723	15,179	14,733	14,779
Refined products sold	26,836	26,606	26,114	25,341	25,690
Natural gas sold ³	41,322	41,996	42,276	41,127	45,927

Notes:

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

Table 6.2
Majors oil companies

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

	2006	2007	2008	2009	2010
BP					
Revenues ¹	274,316	291,438	367,053	246,138	308,298
Cost of sales ²	239,763	262,626	328,843	223,818	314,713
Income tax (benefit)	12,331	10,442	12,617	8,365	-1,501
Special deductions	na	na	na	na	na
Net income (loss)	22,222	18,370	25,593	13,955	-4,914
ExxonMobil					
Revenues ³	377,635	404,552	477,359	310,586	383,221
Cost of sales ⁴	310,233	334,078	395,609	276,187	331,200
Income tax (benefit)	27,902	29,864	36,530	15,119	21,561
Special deductions	na	na	na	na	na
Net income (loss)	39,500	40,610	45,220	19,280	30,460
Total					
Revenues ³	193,114	217,554	264,709	183,175	211,143
Cost of sales ⁴	161,111	180,888	228,327	160,582	183,570
Income tax (benefit)	17,227	18,603	20,806	10,811	13,559
Special deductions	na	na	na	na	na
Net income (loss)	14,776	18,063	15,576	11,782	14,014
Royal Dutch/Shell					
Revenues ³	318,845	355,782	458,361	278,188	368,056
Cost of sales ⁴	275,086	305,801	407,740	257,368	333,059
Income tax (benefit)	18,317	18,650	24,344	8,302	14,870
Special deductions	na	na	na	na	na
Net income (loss)	25,442	31,331	26,277	12,518	20,127
Chevron					
Revenues ³	210,118	220,904	273,005	171,636	204,928
Cost of sales ⁴	178,072	188,630	229,948	153,108	172,873
Income tax (benefit)	14,838	13,479	19,026	7,965	12,919
Special deductions	70	107	100	80	112
Net income (loss)	17,138	18,688	23,931	10,483	19,024
Total majors					
Revenues ³	1,374,028	1,490,230	1,840,487	1,189,723	1,475,646
Cost of sales ⁴	1,164,265	1,272,023	1,590,467	1,071,063	1,335,415
Income tax (benefit)	90,615	91,038	113,323	50,562	61,408
Special deductions	70	107	100	80	112
Net income (loss)	119,078	127,062	136,597	68,018	78,711

Notes:

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

Majors oil companies

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

	2006	2007	2008	2009	2010
BP					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	87.4	90.1	89.6	90.9	102.1
Income tax (benefit)	4.5	3.6	3.4	3.4	-0.5
Special deductions	na	na	na	na	na
Net income (loss)	8.1	6.3	7.0	5.7	-1.6
ExxonMobil					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	82.2	82.6	82.9	88.9	86.4
Income tax (benefit)	7.4	7.4	7.7	4.9	5.6
Special deductions	na	na	na	na	na
Net income (loss)	10.5	10.0	9.5	6.2	7.9
Total					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	83.4	83.1	86.3	87.7	86.9
Income tax (benefit)	8.9	8.6	7.9	5.9	6.4
Special deductions	na	na	na	na	na
Net income (loss)	7.7	8.3	5.9	6.4	6.6
Royal Dutch/Shell					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	86.3	86.0	89.0	92.5	90.5
Income tax (benefit)	5.7	5.2	5.3	3.0	4.0
Special deductions	na	na	na	na	na
Net income (loss)	8.0	8.8	5.7	4.5	5.5
Chevron					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	84.7	85.4	84.2	89.2	84.4
Income tax (benefit)	7.1	6.1	7.0	4.6	6.3
Special deductions	-	0.1	-	0.1	0.1
Net income (loss)	8.2	8.5	8.8	6.1	9.3
Total majors					
Revenues	100.0	100.0	100.0	100.0	100.0
Cost of sales	84.7	85.4	86.4	90.0	90.5
Income tax (benefit)	6.6	6.1	6.2	4.2	4.2
Special deductions	-	-	-	-	-
Net income (loss)	8.7	8.5	7.4	5.7	5.3

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

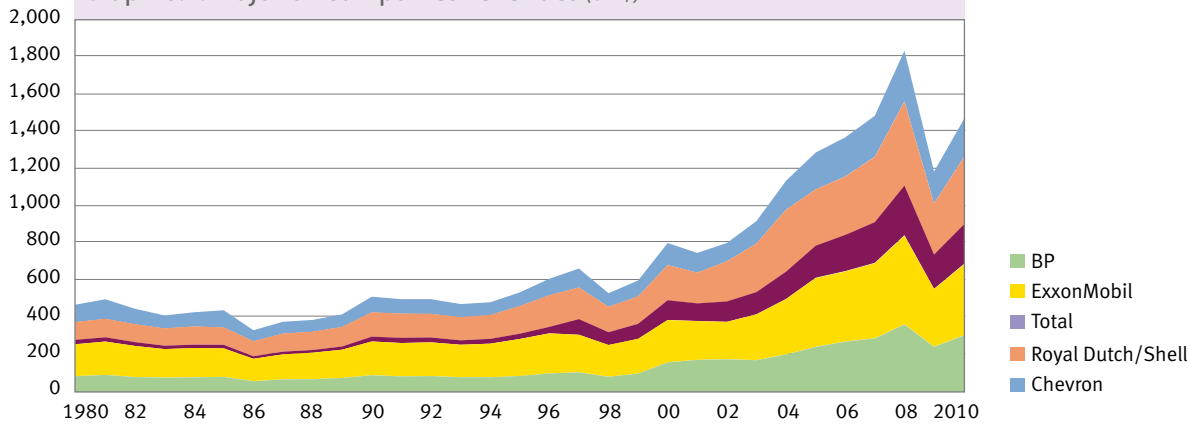
	2006	2007	2008	2009	2010
BP	17,231	20,641	30,700	20,309	23,016
Upstream	13,252	14,207	22,227	14,896	17,753
Downstream	3,127	5,495	6,634	4,114	4,029
Other business and corporate	852	939	1,839	1,299	1,234
ExxonMobil	19,855	20,853	26,143	27,092	32,226
Upstream	16,231	15,724	19,734	20,704	27,319
Downstream	3,485	5,085	6,348	6,344	4,720
Other business and corporate	139	44	61	44	187
Total	14,882	16,064	20,062	18,619	21,573
Upstream	11,302	12,172	14,733	13,746	17,510
Downstream	3,478	3,818	5,136	4,745	3,956
Other business and corporate	102	74	193	128	107
Royal Dutch/Shell	22,922	24,576	35,065	26,516	26,940
Upstream	18,507	19,217	28,947	20,264	22,323
Downstream	4,148	4,945	5,877	5,979	4,523
Other business and corporate	267	414	241	273	94
Chevron	16,611	20,026	22,775	22,237	21,755
Upstream	13,270	15,900	18,361	18,296	18,904
Downstream	2,924	3,352	3,789	3,536	2,552
Other business and corporate	417	774	625	405	299
Total majors	91,501	102,160	134,745	114,773	125,510
Upstream	72,562	77,220	104,002	87,906	103,809
Downstream	17,162	22,695	27,784	24,718	19,780
Other business and corporate	1,777	2,245	2,959	2,149	1,921

Notes:

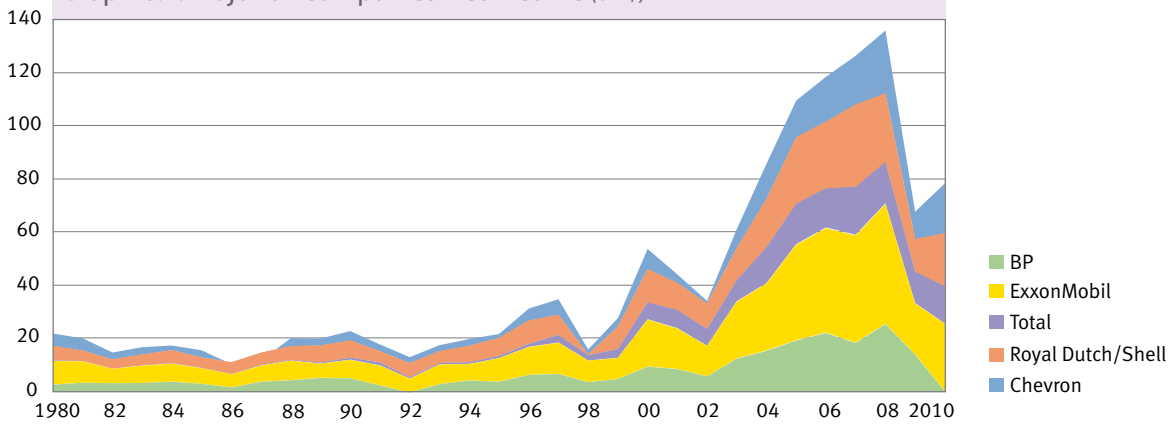
Upstream: Exploration/production.

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

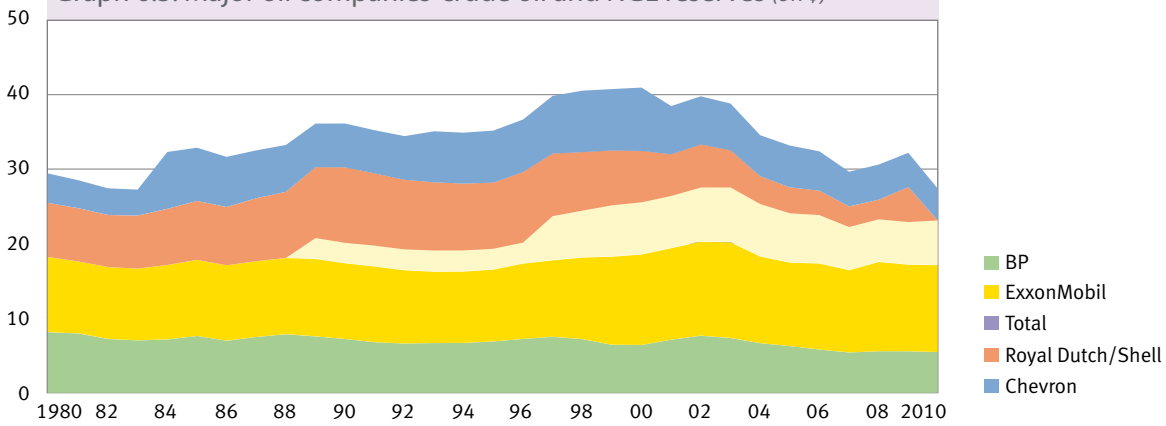
Graph 6.1: Major oil companies' revenues (bn \$)



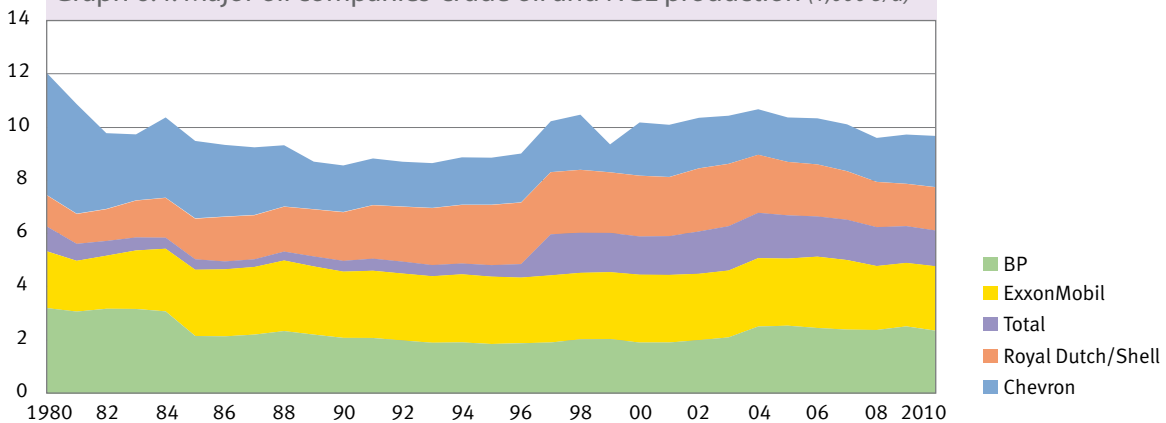
Graph 6.2: Major oil companies' net income (bn \$)



Graph 6.3: Major oil companies' crude oil and NGL reserves (bn \$)



Graph 6.4: Major oil companies' crude oil and NGL production (1,000 b/d)



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 a year, divided by 365 days, thus reflecting all operational limitations.

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.

Consumption of petroleum products: inland delivery, including refinery fuels and losses, as well as products from gas plants; excluding international air and marine bunkers.

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); Ess Sider (Libya); Bonny Light (Nigeria); Qatar Marine (Qatar); Arab Light (Saudi Arabia); Murban (United Arab Emirates); and Meray (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, **Venezuela**.

Eastern Europe: Albania, Bulgaria, Czech Republic, Slovakia, Hungary, Poland, Romania, Former Soviet Union (FSU) (Armenia, Azerbaijan, Belarus, Estonia, Georgia, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, 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 **Islamic Republic of Iran**, **Iraq**, Jordan, **Kuwait**, Lebanon, Oman, **Qatar**, **Saudi Arabia**, Syrian Arab Republic, **United Arab Emirates** (Abu Dhabi, Ajman, Dubai, Fujairah, Ras al-Khaimah, Sharjah, Umm al-Qaiwain), Yemen.

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, Sudan, Swaziland, Tanzania, Togo, Tunisia, Uganda, Western Sahara, Zambia, Zimbabwe.

Asia and Pacific: Afghanistan, American Samoa, Antarctica, Australia, Bangladesh, Bhutan, Brunei, Cambodia, Canton and Enderbury Islands, China, Christmas Island, Cocos (Keeling) Islands, Cook Islands, Fiji, French Polynesia, Guam, Hong Kong, India, Indonesia, Japan, Johnston Island, Kiribati, Korea (Democratic People's Republic of), Korea (Republic of), Lao People's Democratic Republic, Macau, 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, Taiwan, 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), Venezuela (1960).

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

Abbreviations

Symbols:

- na Not available
- Nil or negligible
- * Provisional or estimated figures as of June 30, 2011.

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	LNG	liquefied natural gas
b/sd	barrels per stream day	ft	feet	NOC	national oil company
bn b	billion barrels	GDP	gross domestic product	t	tonne
cif	cost, insurance and freight	LNG	liquefied natural gas		

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	The 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	Entreprise Nationale Sonatrach
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 Petroleum Trends

Conversion factors

Crude oil

Standard factors	Metric tonne	Long ton	Barrels	Cubic metres (kilolitres)
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 (kilolitres)	0.858	0.887	6.289	1

By country (b/tonne)

Algeria	7.9448
Angola	7.2730
Ecuador	6.8800
IR Iran	7.2840
Iraq	7.6490
Kuwait	7.2580
Libya	7.5964
Nigeria	7.3995
Qatar	7.4408
Saudi Arabia	7.4029
United Arab Emirates	7.5876
Venezuela	6.6850
OPEC	7.3580

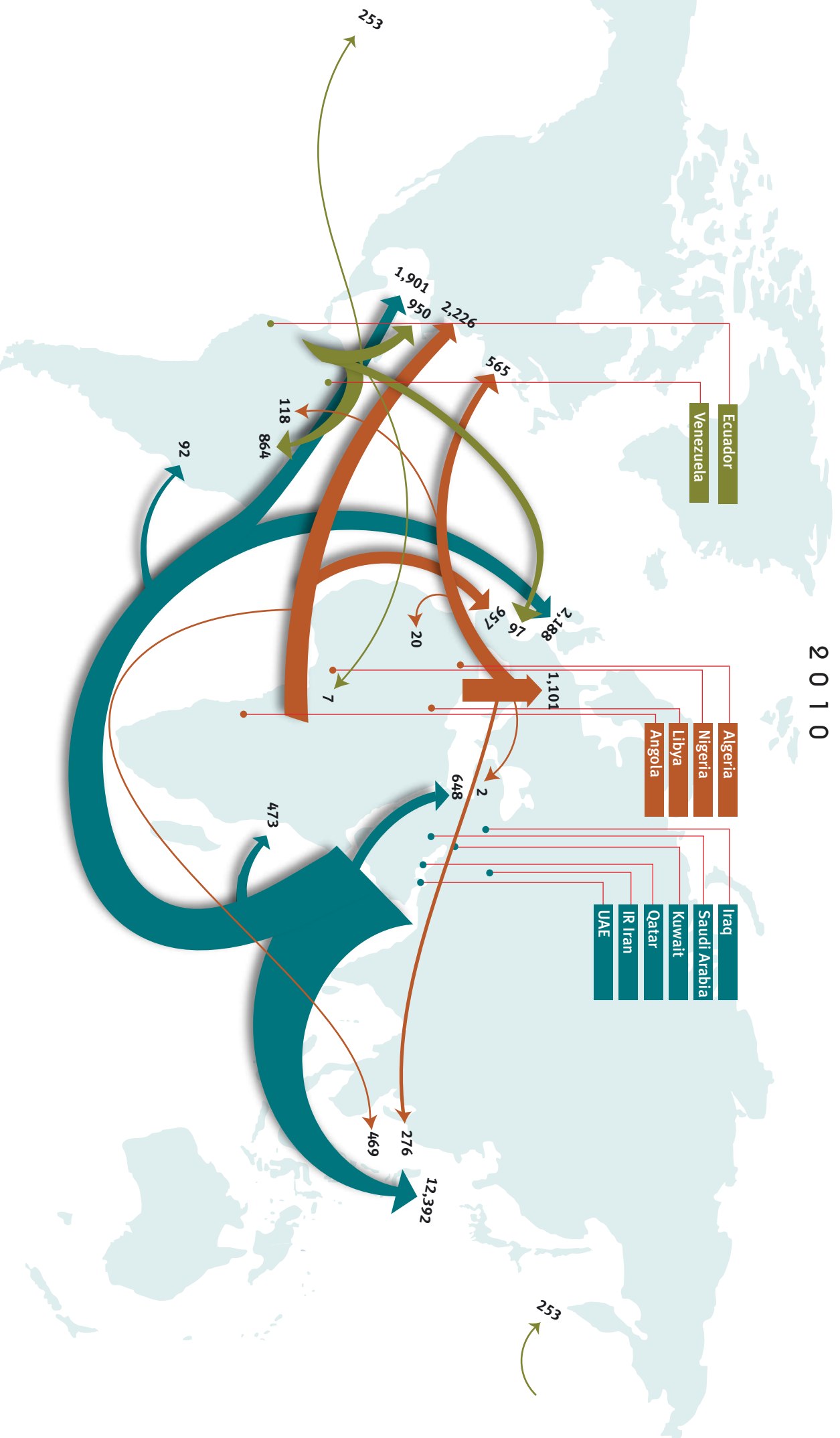
Petroleum products (b/tonne)

Gasoline	8.4998
Kerosene	7.7652
Distillates	7.2296
Residuals	6.6208

Major OPEC flows of crude and refined oil

(1,000 b/d)

2010



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

 OPEC Africa
  OPEC Latin America
  OPEC Middle East



OPEC

Helferstorferstrasse 17, A-1010 Vienna, Austria
www.opec.org