



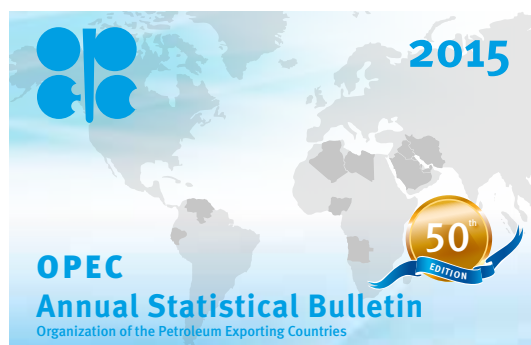
2015



OPEC

Annual Statistical Bulletin

Organization of the Petroleum Exporting Countries



Team for the preparation of the OPEC Annual Statistical Bulletin

Director, Research Division
Omar S Abdul-Hamid

Project Leader
Head, Data Services Department
Adedapo Odulaja

Coordinator, Statistics Team
Hossein Hassani

Statistics Team
Pantelis Christodoulides, Klaus Stöger, Harvir Kalirai, Mouhamad Moudassir, Mohammad Sattar, Anna Gredinger, Ksenia Gutman

Coordinator, IT Development Team
Mohamed Mekerba

IT Development Team
Hannes Eichner, Zairul Arifin, Vedran Hrgovic

Editorial Team
Head, Public Relations and Information Department
Hasan Hafidh

Editor
Alvino-Mario Fantini

Coordinator, Design and Production
Carola Bayer

Senior Production Assistant
Diana Lavnick

Graphic Designer
Tara Starnegg

Questions on data

Although comments are welcome, OPEC regrets that it is unable to answer all enquiries concerning the data in the ASB.
Data queries: dataqueries@opec.org.

Advertising

The OPEC Annual Statistical Bulletin now accepts advertising.
For details, please contact the Head, PR and Information Department at the following address:

Organization of the Petroleum Exporting Countries
Helferstorferstrasse 17, A-1010 Vienna, Austria
Tel: +43 1 211 12/0
Fax: +43 1 216 43 20
Advertising: prid@opec.org
Website: www.opec.org

Photographs

Page 5: Courtesy Zhang Jianshe. Pages 7, 13, 21, 31, 47, 65, 81, 95: Shutterstock.

Foreword	5
Key messages	6
T a b l e s	Page
Section 1: Summary	7
Table 1.1 OPEC Members' facts and figures	8
1.2 OPEC Members' crude oil production allocations	9
Section 2: Macro-economics	13
Table 2.1 OPEC Members' 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 Current account balances in OPEC Members	19
2.7 Annual average exchange rates for OPEC Members	20
Section 3: Oil data: upstream	21
Table 3.1 World proven crude oil reserves by country	22
3.2 Active rigs by country	23
3.3 Wells completed in OPEC Members	25
3.4 Producing wells in OPEC Members	26
3.5 Daily and cumulative crude oil production in OPEC Members	27
3.6 World crude oil production by country	28
3.7 Non-OPEC oil supply and OPEC NGLs	29
Section 4: Oil data: downstream	31
Table 4.1 Refinery capacity in OPEC Members by company and location	32
4.2 World refinery capacity by country	34
4.3 Charge refinery capacity in OPEC Members	35
4.4 World refinery throughput by country	36
4.5 Output of refined petroleum products in OPEC Members	37
4.6 World output of refined petroleum products by country	39
4.7 Oil demand by main petroleum products in OPEC Members	40
4.8 World oil demand by country	42
4.9 World oil demand by main petroleum product and region	44
Section 5: Oil trade	47
Table 5.1 OPEC Members crude oil exports by destination	48
5.2 OPEC Members' petroleum products exports by destination	50
5.3 World crude oil exports by country	52
5.4 World exports of petroleum products by country	55
5.5 World exports of crude oil and petroleum products by country	57
5.6 World imports of crude oil by country	59
5.7 World imports of petroleum products by country	61
5.8 World imports of crude oil and petroleum products by country	62
Section 6: Oil transportation	65
Table 6.1 Tanker fleet development in OPEC Members	66
6.2 World tanker fleet by year of build and categories	66
6.3 LPG carrier fleet in OPEC Members	68
6.4 World LPG carrier fleet by size and type	68
6.5 World combined carrier fleet by size	69
6.6 Average spot freight rates by vessel category	70
6.7 Dirty tanker spot freight rates	71
6.8 Clean tanker spot freight rates	72
6.9 Main crude oil pipelines in OPEC Members	73
6.10 Main petroleum product pipelines in OPEC Members	78

Section 7: Oil prices	81
7.1 OPEC Reference Basket (ORB) and corresponding spot components prices	82
7.2 Selected spot crude oil prices	83
7.3 ICE Brent and NYMEX WTI annual average of the 1 st , 6 th and 12 th forward months	86
7.4 OPEC Reference Basket in nominal and real terms	87
7.5 Spot prices of petroleum products in major markets	88
7.6 Retail prices of petroleum products in OPEC Members	89
7.7 Composite barrel and its components in major consuming countries	90
Section 8: Natural gas data	93
8.1 World proven natural gas reserves by country	94
8.2 Natural gas production in OPEC Members	96
8.3 World marketed production of natural gas by country	98
8.4 World natural gas exports by country	100
8.5 World imports of natural gas by country	101
8.6 LNG carrier fleet in OPEC Members	102
8.7 World LNG carrier fleet by size and type	102
8.8 Main gas pipelines in OPEC Members	103
G r a p h s	
Section 2: Macro-economics	
Graph 2.1: OPEC Members' population	14
Graph 2.2: Population as a 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: Current account balances in total OPEC	19
Graph 2.12: Current account balances in OPEC Members	19
Graph 2.13: OPEC oil export revenues vs value of total exports	20
Section 3: Oil data: upstream	
Graph 3.1: World proven crude oil reserves	24
Graph 3.2: OPEC Members' proven crude oil reserves	24
Graph 3.3: World crude oil production	24
Graph 3.4: OPEC Members' crude oil production	24
Section 4: Oil data: downstream	
Graph 4.1: World refinery capacity	43
Graph 4.2: World output of petroleum products	43
Graph 4.3: OPEC output of refined petroleum products	43
Graph 4.4: World oil demand	46
Graph 4.5: OPEC Members' oil demand	46
Graph 4.6: World oil demand by main petroleum product	46
Section 5: Oil trade	
Graph 5.1: World crude oil exports by region	53
Graph 5.2: OPEC Members' crude oil exports	53
Graph 5.3: World interregional trade of crude oil	54
Graph 5.4: OPEC Members' petroleum products exports by destination	56
Graph 5.5: Percentage share of OPEC crude oil exports by regions	58
Graph 5.6: OPEC Members' exports of crude and petroleum products	58
Graph 5.7: OPEC Members' exports of petroleum products	58

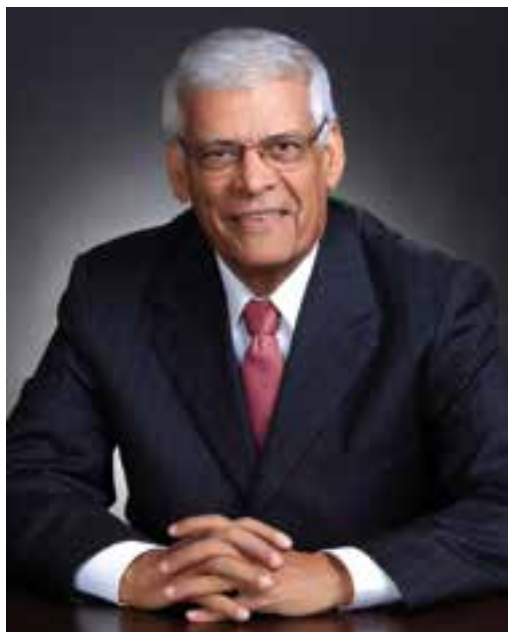
Graph 5.8: OPEC Members' crude oil exports by destination	60
Graph 5.9: OPEC flows of crude and refined oil	64
Section 6: Oil transportation	
Graph 6.1: World tanker fleet by year of build and categories	67
Graph 6.2: World tanker fleet by year of build and categories	67
Graph 6.3: Average spot freight rates by vessel category	70
Graph 6.4: Dirty tankers spot freight rates	71
Graph 6.5: Dirty tankers spot freight costs	71
Graph 6.6: Clean tankers spot freight rates	72
Graph 6.7: Clean tankers spot freight rates	72
Section 7: Oil prices	
Graph 7.1: OPEC Reference Basket	82
Graph 7.2: Differentials of selected spot crude oil prices to OPEC Reference Basket (1)	84
Graph 7.3: Differentials of selected spot crude oil prices to OPEC Reference Basket (2)	84
Graph 7.4: Differentials of selected spot crude oil prices to OPEC Reference Basket (3)	85
Graph 7.5: Differentials of selected spot crude oil prices to OPEC Reference Basket (4)	85
Graph 7.6: OPEC Reference Basket in nominal and real terms	87
Graph 7.7: Spot petroleum product prices — US Gulf	88
Graph 7.8: Spot petroleum product prices — Singapore	88
Graph 7.9: Spot petroleum product prices — Rotterdam	88
Graph 7.10: Composite barrel and its components in volume	91
Graph 7.11: Composite barrel and its components in percentage	92
Section 8: Natural gas data	
Graph 8.1: World proven natural gas reserves	95
Graph 8.2: OPEC Members' proven natural gas reserves	95
Graph 8.3: World marketed production of natural gas	95
Graph 8.4: OPEC Members' marketed production of natural gas	95
General notes	107
Definitions	108
Country groupings	109
Economic organizations	110
Abbreviations	110
Oil companies	111
Sources	112
Conversion factors	112
Map	Major OPEC flows of crude and refined oil inside back cover

Disclaimer

The data contained in the OPEC Annual Statistical Bulletin (the 'ASB') is historical and obtained directly from OPEC Member Countries and third parties listed in the publication.

Whilst reasonable efforts have been made to ensure the accuracy of the ASB's content, the OPEC Secretariat makes no warranties or representations as to its accuracy, relevance or comprehensiveness, and assumes no liability or responsibility for any inaccuracy, error or omission, or for any loss or damage arising in connection with or attributable to any action or decision taken as a result of using or relying on the information in the ASB. The ASB is not intended as a benchmark or input data to a benchmark. Definition of terms, as well as names and boundaries on any maps, shall not be regarded as authoritative.

The information contained in the ASB, unless copyrighted by a third party, may be used and/or reproduced for research, educational and other non-commercial purposes without the OPEC Secretariat's prior written permission provided that OPEC is fully acknowledged as the copyright holder. Written permission from the OPEC Secretariat is required for any commercial use.



HE Abdalla Salem El-Badri, OPEC Secretary General

I would like to present to you this Annual Statistical Bulletin (ASB) on the 50th anniversary of its publication. Any publication with such longevity is clearly one that is valuable; the oil industry as a whole recognizes and appreciates the contribution of the ASB.

Data is essential to our industry and data sharing key to market stability. For the decision-makers of today and planners of tomorrow, the necessity for timely and accurate data is unquestionably important. Data influences investment and shapes development, and ensures the world's energy needs continue to be met in the best way possible.

OPEC's commitment to provide a wide range of detailed and well-researched data on the oil and gas industry is once again met in this year's publication, which has become a much-anticipated reference tool around the world. We sincerely hope that you will find this ASB both informative and useful.

As always, the central focus of the ASB is on OPEC Member Countries — Algeria, Angola, Ecuador, the Islamic Republic of Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates and Venezuela. More specifically, the ASB includes statistics on OPEC and non-OPEC country upstream and downstream oil developments, oil trade, transportation, prices — including exports and imports, reserves, production, tanker fleets and pipelines, petroleum products and exploration.

OPEC — always realizing the importance of data — has long tried to improve and expand its collection of data over the 55 years of the Organization's history. Its commitment to data transparency and market stability is evident in its active participation in the Joint Organizations Data Initiative (JODI) since its formation and in the regular organization of Annual Statistical Meetings, at which Member Countries come together to provide valuable consultation and input, a major end result of which is this publication.

In order to make this publication as accessible as possible, it is made available in both an electronic PDF file and an interactive version on the OPEC website, which allows the full download of data for non-commercial use. Finally, I would like to thank all those involved in the creation of this document for their hard work, from the collaborative input of Member Countries to the unflagging dedication of staff at the Secretariat. It takes many people many months of commitment to make this document a reality.

Abdalla Salem El-Badri
Secretary General

The OPEC Annual Statistical Bulletin (ASB) provides detailed and comprehensive time-series data on many different aspects of the global petroleum industry, including production, demand, imports and exports, as well as exploration, production and transportation activities.

The publication contains, in particular, key statistical data on oil and natural gas activities in each of OPEC's 12 Member Countries: Algeria, Angola, Ecuador, Islamic Republic of Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates and Venezuela. Additionally, it provides valuable industry data for various countries with detailed classifications mainly by geographical region, and covers the major economic areas around the world.

This year's 2015 ASB, which comprises data up to the end of 2014, includes the following important highlights:

- ▶ In 2014, world crude oil production averaged at 73.4 million barrels/day, increasing by 0.7 per cent, over 2013. Noticeable increases originated in North America, particularly the US, as well as in Western Europe, more specifically Norway. Crude oil production declined year-on-year in Africa and the Middle East, and remained relatively flat in other regions. Crude oil production in OPEC Member Countries reached 30.7m b/d during 2014, down 2.9 per cent from 2013, year-on-year. The overall OPEC share to the world crude production total in 2014 was at 41.8 per cent, lower than in 2013, when it was 43.3 per cent. Non-OPEC oil supply and OPEC NGLs, as well as non-conventional oil production inched to 62.3m b/d, increasing by 3.9 per cent as compared to the 2013 levels.
- ▶ World oil demand averaged at 91.3m b/d in 2014, up by 1.1 per cent year-on-year, with the largest increases taking place in China, the Middle East — particularly in Saudi Arabia, Islamic Republic of Iran, Qatar and the United Arab Emirates, — and in non-OECD Asia. The 2014 oil demand in Africa and Latin America continued its upward trend, while oil demand declined for another year in Western Europe. Total OECD oil demand fell slightly during 2014, while oil demand in OPEC Member Countries increased strongly for another year by 2.9 per cent, as compared to 2013. Distillates and gasoline account for around 55 per cent of total world oil demand and are on increasing trend, while residual fuel oil requirements declined for another year.
- ▶ In 2014, the majority of crude oil from OPEC Member Countries was exported to Asian and Pacific countries (13.7m b/d or 60.4 per cent). Substantial volumes of crude oil from OPEC Member Countries were also exported to Europe (3.8m b/d or 16.7 per cent) and North America (3.1m b/d or 13.9 per cent). Asian and Pacific countries were the largest importers of OPEC Member Countries petroleum products (2.7m b/d or 60.8 per cent). North America was the region in 2014 that recorded the largest yearly increase in oil exports (0.7m b/d or 11.7 per cent) with the bulk of these volumes being petroleum products. OPEC Member Countries petroleum products exports in 2014 stood at 4.5m b/d, while during the same year the imports were at 1.6m b/d, up 1.4 per cent year-on-year.
- ▶ World proven crude oil reserves stood at 1,492.9 billion barrels at the end of 2014, 0.2 per cent higher as compared to the end of 2013. The largest non-OPEC additions originated in North America, particularly the US, as well as Asia and Pacific predominantly China and India. Proven crude oil reserves in OPEC Member Countries remained largely unchanged at the end of 2014, as compared to 2013 and reached a level of 1,206bn b. The overall OPEC percentage share of world proven crude oil reserved at the end of 2014 stood at 80.8 per cent.
- ▶ OPEC Member Countries remained important players in the natural gas market during 2014, with proven natural gas reserves of 95,129bn standard cubic metres. This marked a slight increase of 0.1 per cent from 2013, with a total world share of 47.3 per cent.
- ▶ The refinery capacity of OPEC Member Countries increased by 0.6m b/cd or 5.4 per cent during 2014 compared to 2013, with the bulk of increases originating in the Middle East. In 2014, OPEC Member Countries held 11.6 per cent of total world refinery capacity in 2014. World refinery capacity rose by 0.9m b/d in 2014. Gains in Asia Pacific, as well as North and Latin America have been partly offset by losses in Western Europe. The 2014 world refinery capacity inched to 95.7m b/cd during 2014.
- ▶ The OPEC Reference Basket averaged at \$96.29/b in 2014, down from \$105.87/b in 2013 and following a steep decline in the second half of 2014. This represented a decrease of \$9.58/b or 9.0 per cent with a volatility of \$14.56/b or, equivalently, 15.1 per cent relative to the yearly average. The minimum monthly average crude price was \$59.46/b in December 2014 and the maximum was \$107.89/b in June 2014.



SECTION **1**

Summary

Table 1.1
Summary

OPEC Members' facts and figures, 2014

	Algeria	Angola	Ecuador	IR Iran	Iraq	Kuwait	Libya	Nigeria	Qatar	Saudi Arabia	UAE	Venezuela	OPEC
Population <i>million inhabitants</i>	39,114	24,383	16,027	77,336	36,005	4,092	6,213	178,271	2,226	30,770	8,528	30,457	453,422
Land area <i>1,000 sq km</i>	2,382	1,248	284	1,648	438	18	1,760	924	12	2,150	84	916	11,862
GDP per capita <i>dollars</i>	5,836	5,273	6,308	5,226	6,208	42,119	6,623	3,150	95,040	24,454	47,096	6,757	7,569
GDP at market prices <i>million \$</i>	228,285	128,564	101,094	404,132	223,508	172,350	41,148	561,600	211,526	752,459	401,647	205,787	3,432,101
Value of exports <i>million \$</i>	60,040	63,908	26,604	98,981	85,298	104,165	15,186	83,897	131,716	372,829	380,347	80,663	1,503,633
Value of imports <i>million \$</i>	59,440	27,509	26,672	55,163	61,736	31,493	13,620	61,980	30,479	179,371	298,616	47,760	893,838
Current account balance <i>million \$</i>	(9,100)	3,775	718	29,473	16,113	50,513	(12,391)	6,187	54,760	109,309	48,453	13,212	311,022
Value of petroleum exports <i>million \$</i>	40,639	57,609	11,401	53,652	84,303	97,537	14,897	76,925	56,912	285,139	107,853	77,776	964,643
Proven crude oil reserves <i>million barrels</i>	12,200	8,423	8,273	157,530	143,069	101,500	48,363	37,070	25,244	266,578	97,800	299,953	1,206,004
Natural gas reserves <i>billion cu m</i>	4,504	308	11	34,020	3,158	1,784	1,505	5,111	24,531	8,489	6,091	5,617	95,129
Crude oil production <i>1,000 b/d</i>	1,193	1,654	557	3,117	3,110	2,867	480	1,807	709	9,713	2,794	2,683	30,683
Natural gas marketed production <i>million cu m</i>	83,296	732	578	212,796	904	15,029	16,523	43,842	174,057	102,380	54,245	21,878	726,259
Refinery capacity <i>1,000 b/cd</i>	651	39	191	1,781	900	936	380	445	283	2,907	707	1,891	11,110
Refinery throughput <i>(1,000 b/d)</i>	570	32	138	1,775	495	872	92	67	261	2,000	454	1,527	8,282
Output of refined petroleum products <i>(1,000 b/d)</i>	651	44	201	1,775	480	918	135	57	638	2,202	402	1,151	8,655
Oil demand <i>1,000 b/d</i>	389	139	281	1,846	815	388	245	396	166	3,163	719	752	9,300
Crude oil exports <i>1,000 b/d</i>	623	1,608	422	1,109	2,516	1,995	41	2,120	595	7,153	2,497	1,965	22,644
Exports of petroleum products <i>1,000 b/d</i>	583	31	8	470	9	751	15	49	522	988	760	312	4,498
Imports of petroleum products <i>1,000 b/d</i>	55	99	157	40	99	–	14	156	5	465	319	158	1,568
Natural gas exports <i>million cu m</i>	44,190	–	–	8,360	–	–	4,962	26,778	122,628	–	15,302	–	222,219
Exchange rate national currency/\$	80.579	98.169	1,000	25,941.700	1,166.000	0.285	1.285	158.553	3.640	3.750	3.673	6.284	

Notes: Land area figures as per official websites.

Table 1.2

Summary

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

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

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

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

-- No production level allocated.

nd No distribution made.

OPEC excluding Kuwait and Iraq.

OPEC excluding IR Iran and Iraq.

* Includes Indonesia and Gabon.

** Includes Indonesia.

Agreed at the:

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

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

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

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

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

Table 1.2

Summary

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

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

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

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

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

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

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

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

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

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

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

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

Visit our website

www.opec.org



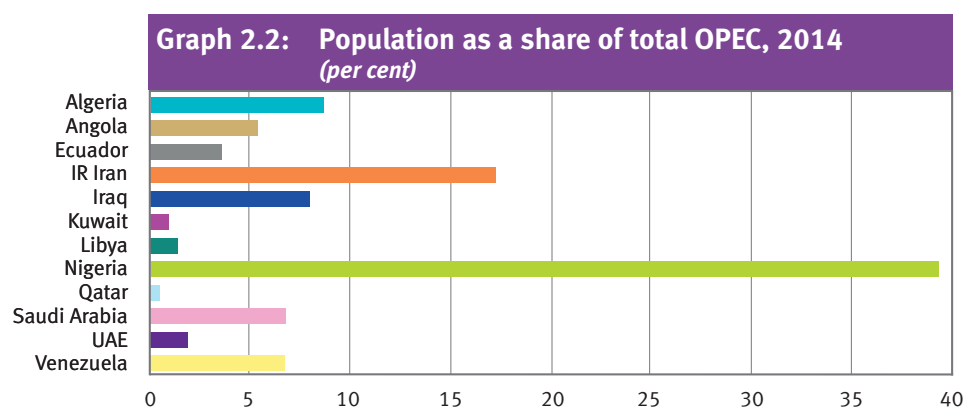
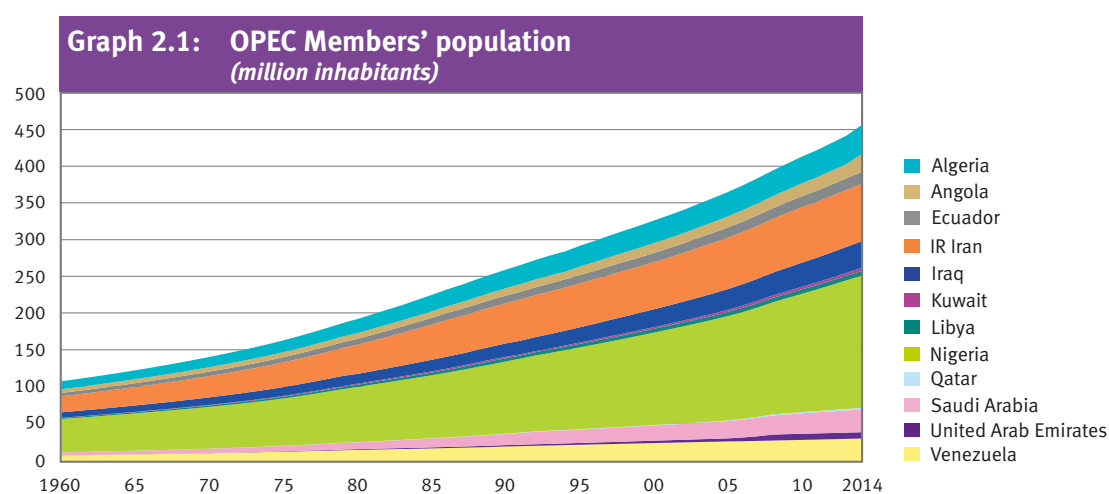


SECTION 2

Macro-economics

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

	2010	2011	2012	2013	2014	change 14/13
Algeria	35.978	36.717	37.495	38.297	39.114	0.817
Angola	21.664	22.314	22.984	23.673	24.383	0.710
Ecuador	15.012	15.266	15.521	15.775	16.027	0.253
IR Iran	74.733	75.150	76.117	76.900	77.336	0.436
Iraq	32.490	33.339	34.207	35.096	36.005	0.909
Kuwait	3.582	3.697	3.824	3.965	4.092	0.127
Libya	6.053	5.943	6.032	6.122	6.213	0.091
Nigeria	159.708	164.193	168.834	173.615	178.271	4.656
Qatar	1.715	1.733	1.833	2.005	2.226	0.221
Saudi Arabia	27.563	28.376	29.196	29.994	30.770	0.776
United Arab Emirates	8.264	8.328	8.394	8.461	8.528	0.068
Venezuela	28.629	29.072	29.517	29.985	30.457	0.472
OPEC	415.392	424.129	433.953	443.887	453.422	9.535



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

	2010	2011	2012	2013	2014
Algeria	161,197	199,386	207,845	208,764	228,285
Angola	82,471	104,116	115,342	124,178	128,564
Ecuador	69,555	79,277	87,623	94,473	101,094
IR Iran	463,971	564,459	418,913	380,348	404,132
Iraq	138,517	185,750	216,044	229,327	223,508
Kuwait	115,337	154,064	174,079	175,788	172,350
Libya	74,804	34,707	81,915	65,516	41,148
Nigeria ¹	363,361	409,239	455,327	509,133	561,600
Qatar	124,951	169,572	190,029	202,956	211,526
Saudi Arabia	526,811	669,507	733,956	744,336	752,459
United Arab Emirates	286,049	347,454	372,314	402,340	401,647
Venezuela	271,961	297,637	298,380	218,433	205,787
OPEC	2,678,984	3,215,167	3,351,767	3,355,593	3,432,101

Notes:

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

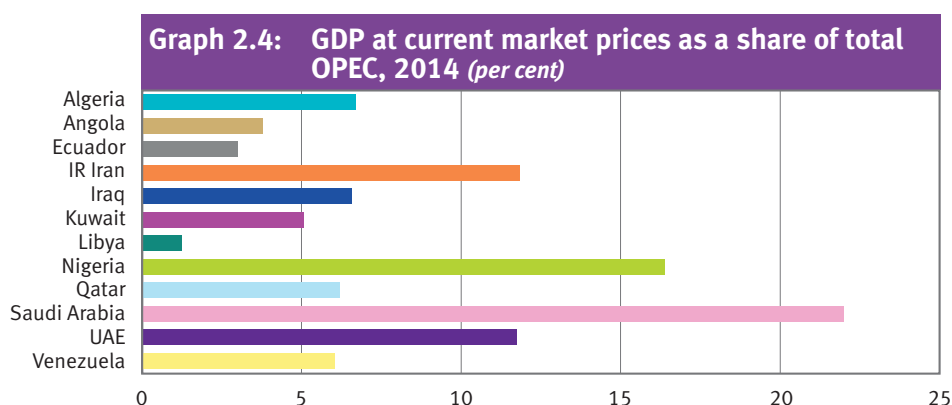
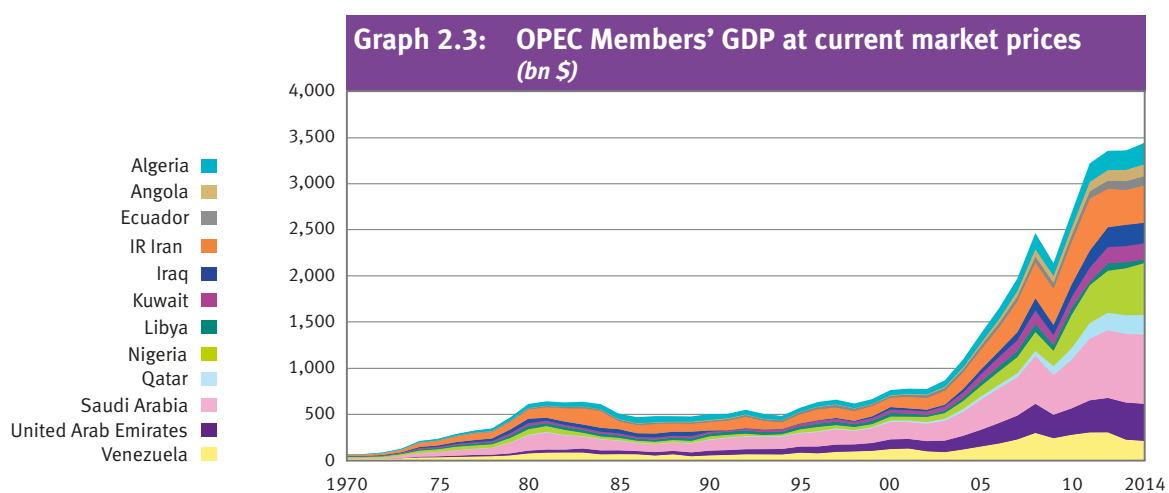
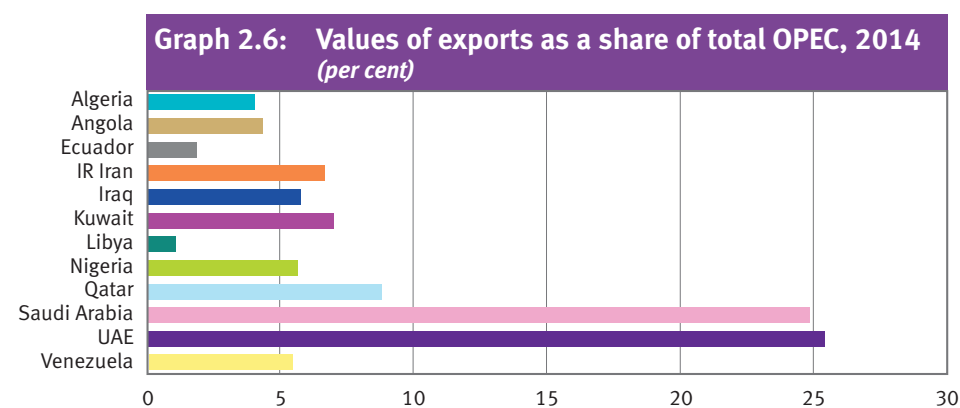
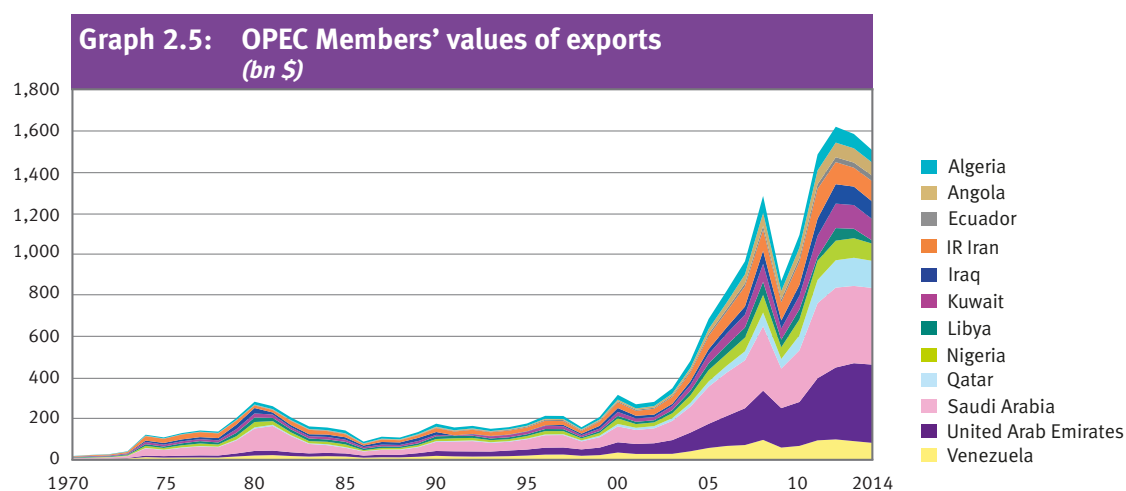


Table 2.3**Macro-economics**OPEC Members' values of exports (*m \$*)

	2010	2011	2012	2013	2014
Algeria	61,971	77,668	77,123	69,659	60,040
Angola	50,595	67,310	71,093	69,562	63,908
Ecuador	17,490	22,322	23,765	24,848	26,604
IR Iran	112,788	144,874	107,409	91,793	98,981
Iraq	52,483	83,226	94,392	89,742	85,298
Kuwait	66,533	102,052	118,917	115,084	104,165
Libya	48,672	19,060	61,026	46,018	15,186
Nigeria	77,409	93,676	95,360	95,118	83,897
Qatar	72,954	112,912	132,985	136,767	131,716
Saudi Arabia	251,143	364,699	388,401	375,873	372,829
United Arab Emirates	213,539	302,036	349,481	378,660	380,347
Venezuela	65,745	92,811	97,340	88,962	80,663
OPEC	1,091,322	1,482,646	1,617,292	1,582,086	1,503,633

Notes:

All figures fob.



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

	2010	2011	2012	2013	2014
Algeria	40,113	52,883	49,993	44,462	40,639
Angola	49,379	65,634	69,954	66,652	57,609
Ecuador	9,685	12,925	13,750	14,103	11,401
IR Iran	72,228	114,751	101,468	61,923	53,652
Iraq	51,589	83,006	94,103	89,402	84,303
Kuwait	61,753	96,721	112,933	108,548	97,537
Libya	47,245	18,615	60,188	44,445	14,897
Nigeria	67,025	87,839	94,642	89,314	76,925
Qatar	43,369	62,680	65,065	62,519	56,912
Saudi Arabia	214,897	309,446	329,327	314,080	285,139
United Arab Emirates	74,638	111,607	119,986	122,973	107,853
Venezuela	62,317	88,131	93,569	85,603	77,776
OPEC	794,238	1,104,239	1,204,977	1,104,024	964,643

Notes:

Where applicable, petroleum product exports are included. Data for some countries may include condensates as well as other NGLs. Some countries import substantial amounts of crude and products, resulting in lower net revenue from petroleum operations. Iraq excluding border trades.

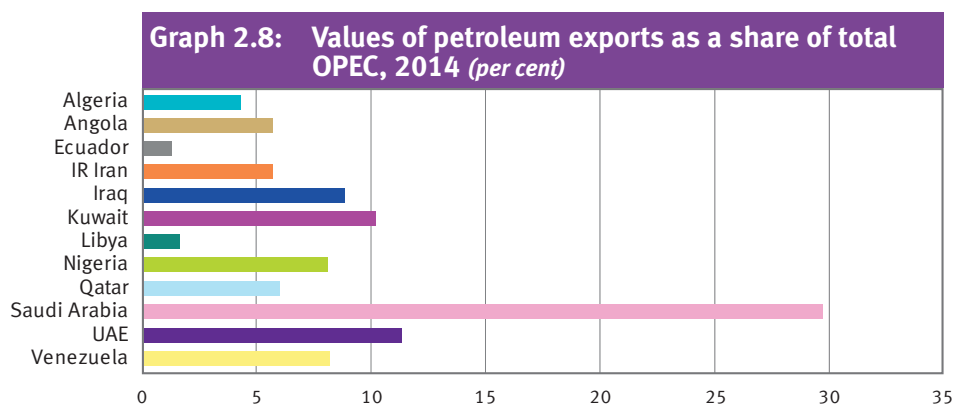
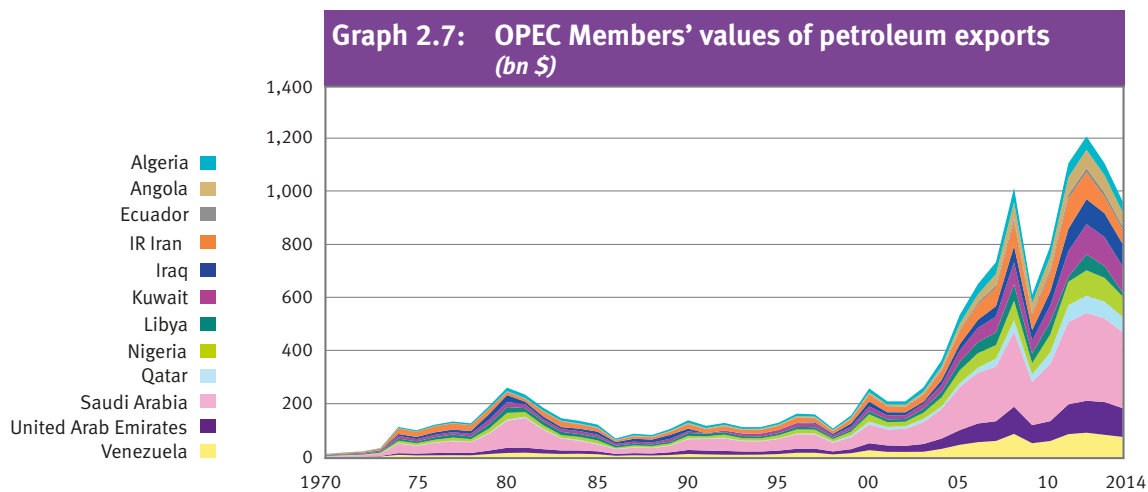


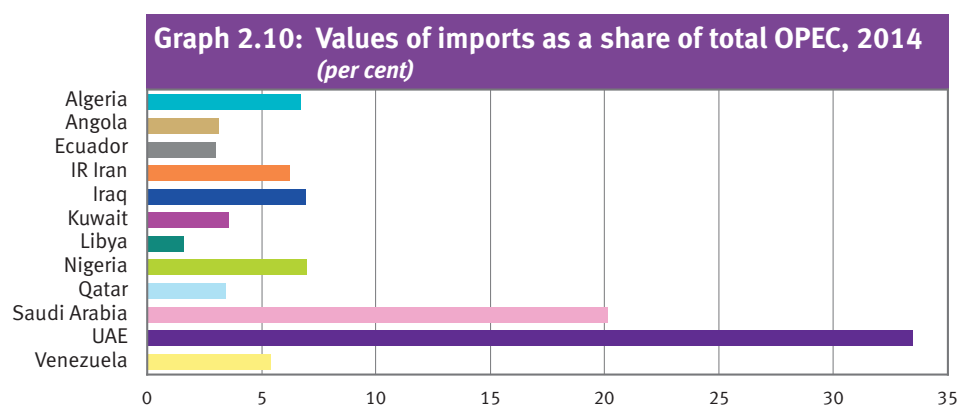
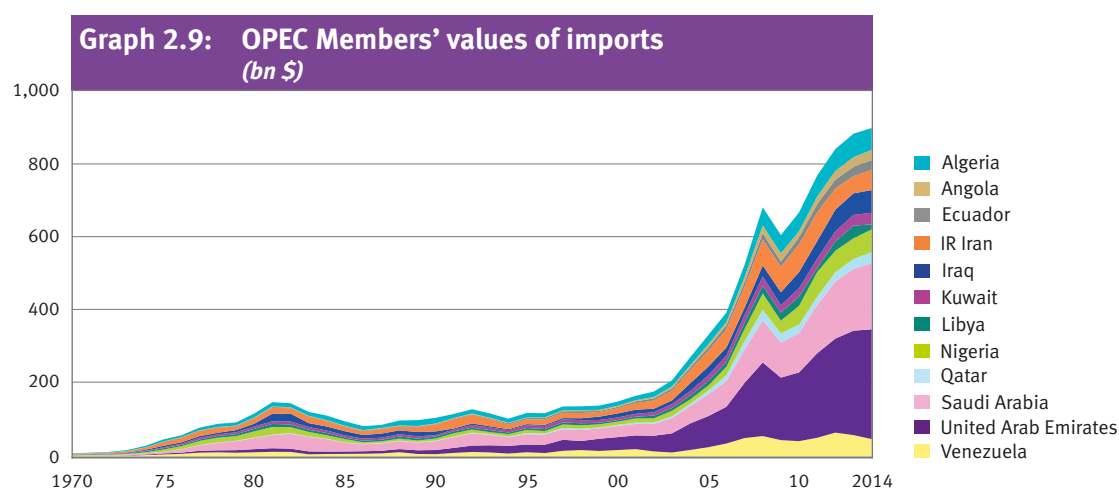
Table 2.5
Macro-economics

OPEC Members' values of imports (m \$)

	2010	2011	2012	2013	2014
Algeria	50,652	57,275	59,483	63,642	59,440
Angola	16,667	20,228	23,717	26,244	27,509
Ecuador	19,469	23,152	24,205	25,889	26,672
IR Iran	75,458	77,805	57,292	46,495	55,163
Iraq	43,915	47,803	59,006	58,796	61,736
Kuwait	22,660	25,143	27,268	29,293	31,493
Libya	25,167	11,200	25,590	34,050	13,620
Nigeria	51,088	67,094	58,152	56,453	61,980
Qatar	23,240	22,333	25,223	26,866	30,479
Saudi Arabia	106,863	131,586	155,593	168,155	179,371
United Arab Emirates	187,001	229,932	255,882	284,126	298,616
Venezuela	42,127	51,408	65,360	58,571	47,760
OPEC	664,306	764,961	836,772	878,580	893,838

Notes:

All figures cif.



Current account balances in OPEC Members (*m \$*)

	2010	2011	2012	2013	2014
Algeria	12,150	17,770	12,420	850	-9,100
Angola	7,506	13,085	13,853	8,348	3,775
Ecuador	-1,610	-221	-164	-984	718
IR Iran	27,554	59,382	33,729	28,157	29,473
Iraq	6,430	26,365	29,542	22,055	16,113
Kuwait	36,701	65,743	78,725	69,765	50,513
Libya	15,730	3,173	23,836	8,895	-12,391
Nigeria	14,580	12,658	18,932	20,148	6,187
Qatar	23,797	51,906	61,946	62,332	54,760
Saudi Arabia	66,751	158,545	164,764	132,640	109,309
United Arab Emirates	7,241	50,948	68,961	64,846	48,453
Venezuela	8,812	24,387	11,016	5,327	13,212
OPEC	225,643	483,741	517,561	422,379	311,022

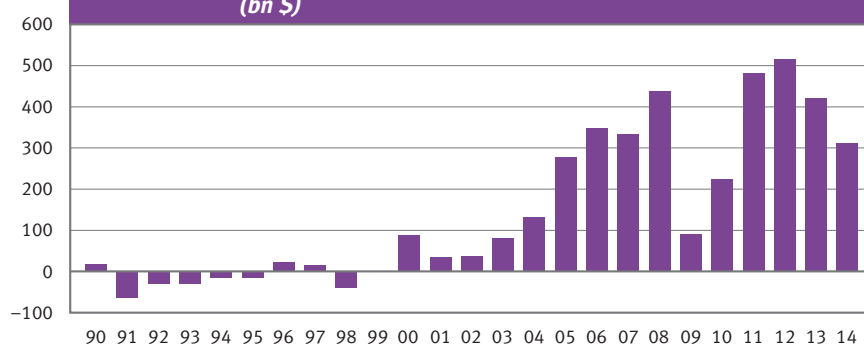
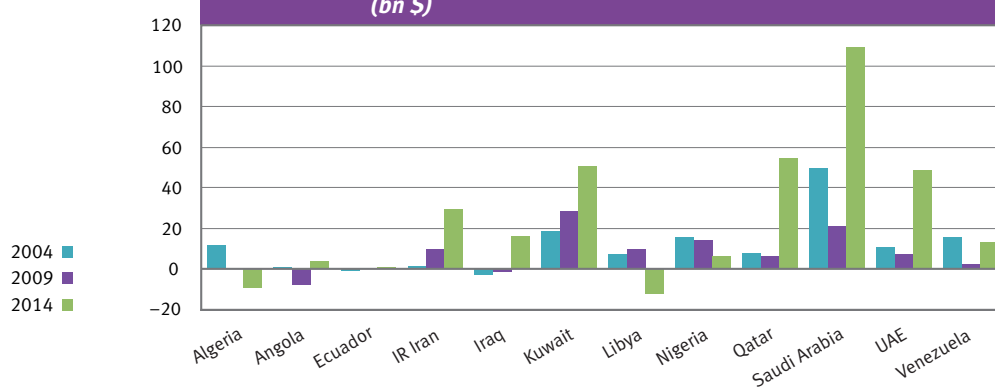
Graph 2.11: Current account balances in total OPEC
(*bn \$*)Graph 2.12: Current account balances in OPEC Members
(*bn \$*)

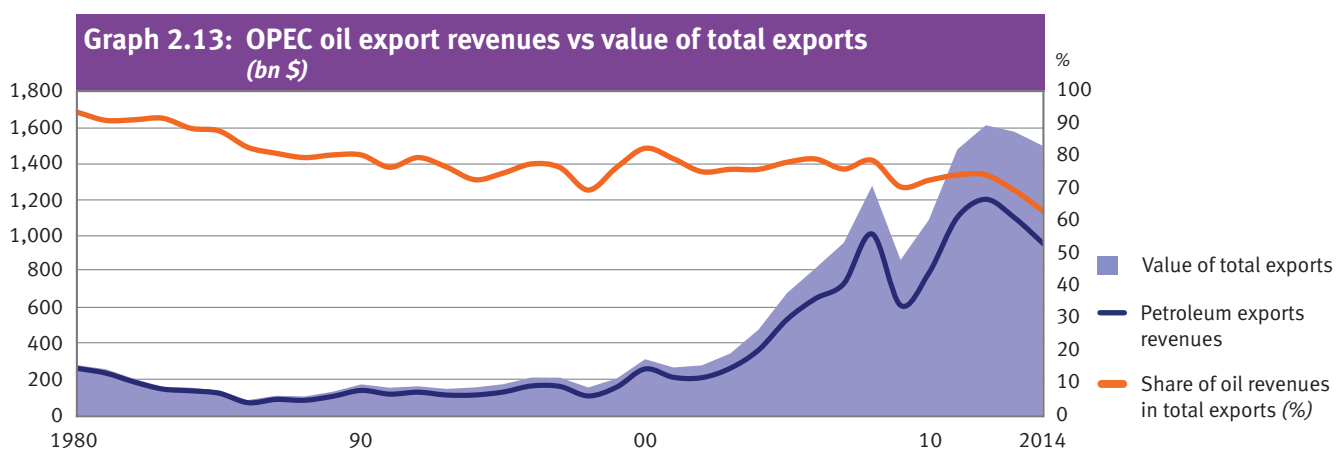
Table 2.7**Macro-economics**Annual average exchange rates for OPEC Members (*units of national currency/\$*)

	2010	2011	2012	2013	2014	% change 14/13
Algeria	74.386	72.938	77.536	79.368	80.579	1.5
Angola	91.906	93.935	95.468	96.518	98.169	1.7
Ecuador	1.000	1.000	1.000	1.000	1.000	—
IR Iran	10,254.200	10,616.300	12,175.500	18,414.400	25,941.700	40.9
Iraq	1,170.000	1,170.000	1,166.170	1,166.000	1,166.000	—
Kuwait	0.287	0.276	0.280	0.284	0.285	0.3
Libya	1.267	1.260	1.257	1.265	1.285	1.6
Nigeria	150.298	153.862	157.499	157.311	158.553	0.8
Qatar	3.640	3.640	3.640	3.640	3.640	—
Saudi Arabia	3.750	3.750	3.750	3.750	3.750	—
United Arab Emirates	3.673	3.673	3.673	3.673	3.673	—
Venezuela ¹	2.582	4.289	4.289	6.048	6.284	3.9

Notes:

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

1. 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 data: upstream

Table 3.1**Oil data: upstream**World proven crude oil reserves by country (*m b*)

	2010	2011	2012	2013	2014	% change 14/13
North America	27,469	30,625	34,661	37,532	40,681	8.4
Canada ¹	4,202	4,081	4,132	4,161	4,161	–
United States	23,267	26,544	30,529	33,371	36,520	9.4
Latin America	334,127	336,996	338,356	341,328	342,235	0.3
Argentina	2,505	2,505	2,805	2,820	2,354	–16.5
Brazil	11,985	12,841	13,154	15,050	15,314	1.8
Colombia	1,360	1,900	2,200	2,377	2,445	2.9
Ecuador	7,206	8,235	8,235	8,832	8,273	–6.3
Mexico	11,691	11,362	11,424	11,079	11,079	–
Venezuela	296,501	297,571	297,735	298,350	299,953	0.5
Others	2,879	2,582	2,803	2,820	2,816	–0.1
Eastern Europe and Eurasia	117,310	117,314	119,881	119,874	119,863	–
Azerbaijan	7,000	7,000	7,000	7,000	7,000	–
Belarus	198	198	198	198	198	–
Kazakhstan	30,000	30,000	30,000	30,000	30,000	–
Russia	77,403	77,403	80,000	80,000	80,000	–
Turkmenistan	600	600	600	600	600	–
Ukraine	395	395	395	395	395	–
Uzbekistan	594	594	594	594	594	–
Others	1,120	1,124	1,094	1,087	1,076	–1.0
Western Europe	13,414	11,680	11,559	12,112	11,577	–4.4
Denmark	812	900	805	805	611	–24.1
Norway	7,078	5,320	5,366	5,825	5,497	–5.6
United Kingdom	2,800	2,800	2,800	2,979	2,982	0.1
Others	2,724	2,660	2,588	2,502	2,486	–0.6
Middle East	794,595	797,155	799,132	802,958	802,518	–0.1
IR Iran	151,170	154,580	157,300	157,800	157,530	–0.2
Iraq	143,100	141,350	140,300	144,211	143,069	–0.8
Kuwait	101,500	101,500	101,500	101,500	101,500	–
Oman	5,500	5,500	5,500	4,974	5,151	3.6
Qatar	25,382	25,382	25,244	25,244	25,244	–
Saudi Arabia	264,516	265,405	265,850	265,789	266,578	0.3
Syrian Arab Republic	2,500	2,500	2,500	2,500	2,500	–
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	–
Others	3,128	3,138	3,138	3,139	3,146	0.2
Africa	125,623	126,474	128,371	128,149	127,561	–0.5
Algeria	12,200	12,200	12,200	12,200	12,200	–
Angola	9,055	9,055	9,055	9,011	8,423	–6.5
Egypt	4,400	4,400	4,400	4,400	4,400	–
Gabon	2,000	2,000	2,000	2,000	2,000	–
Libya	47,097	48,014	48,472	48,363	48,363	–
Nigeria	37,200	37,200	37,139	37,070	37,070	–
Sudans	5,000	5,000	5,000	5,000	5,000	–
Others	8,671	8,605	10,105	10,105	10,105	–
Asia and Pacific	47,227	47,567	48,291	48,181	48,445	0.5
Brunei	1,100	1,100	1,100	1,100	1,100	–
China	23,268	23,747	24,428	24,376	24,649	1.1
India	5,673	5,549	5,571	5,643	5,675	0.6
Indonesia	3,990	3,885	4,030	3,741	3,693	–1.3
Malaysia	3,739	3,739	3,668	3,668	3,668	–
Vietnam	4,400	4,400	4,400	4,400	4,400	–
Australia	3,831	3,873	3,922	3,957	3,957	–
Others	1,226	1,274	1,172	1,296	1,303	0.5
Total world	1,459,765	1,467,811	1,480,251	1,490,134	1,492,880	0.2
<i>of which</i>						
OPEC	1,192,727	1,198,292	1,200,830	1,206,170	1,206,004	–
<i>OPEC percentage</i>	<i>81.7</i>	<i>81.6</i>	<i>81.1</i>	<i>80.9</i>	<i>80.8</i>	
OECD	56,790	57,904	61,912	65,021	67,612	4.0
FSU	116,289	116,289	118,886	118,886	118,886	–

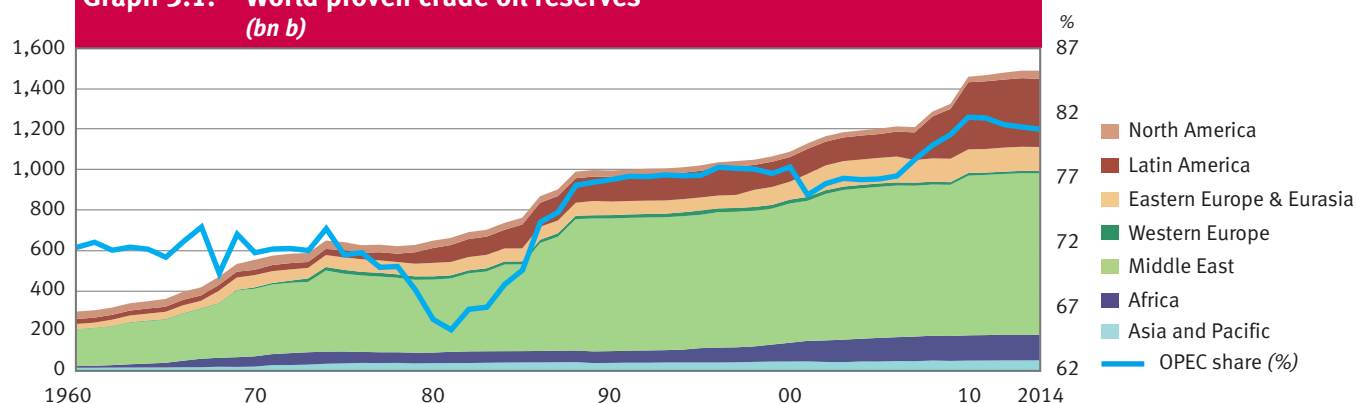
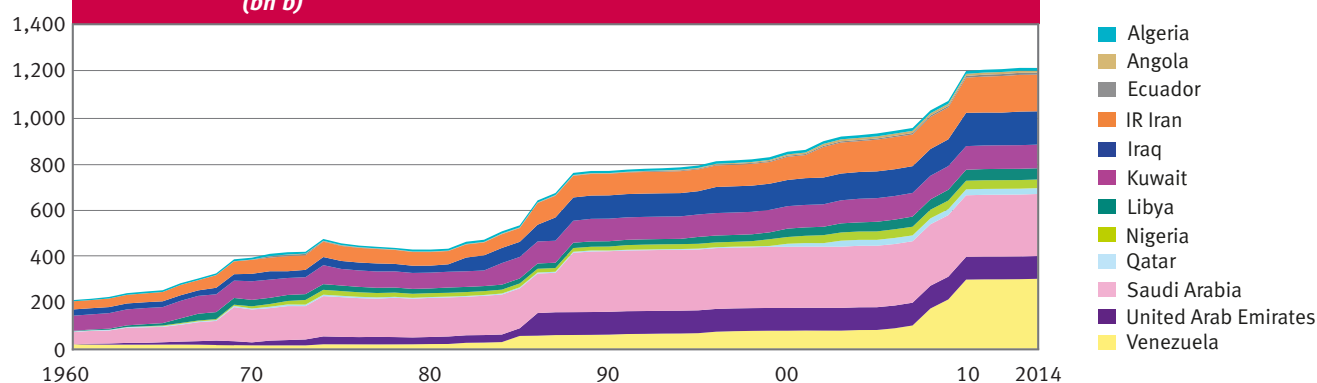
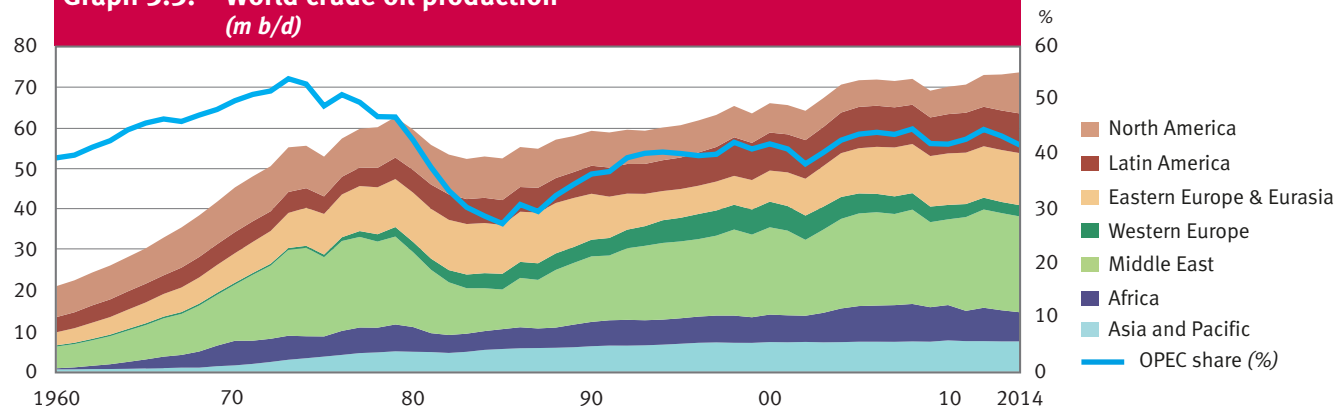
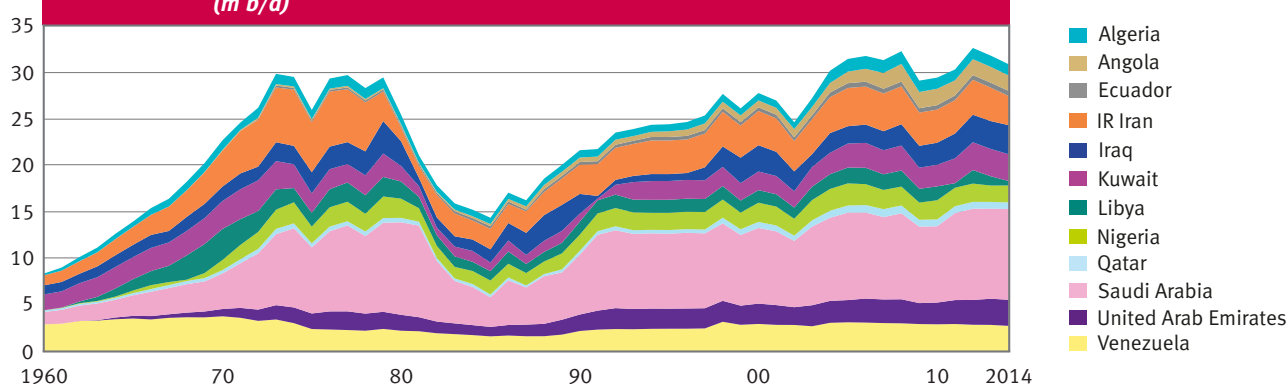
Notes: Figures as at year-end.

1. Data refers to conventional crude oil.

Active rigs by country

	2010	2011	2012	2013	2014	change 14/13
North America	2,109	2,432	2,137	2,142	2,255	113
Canada	398	429	353	372	374	2
United States	1,711	2,003	1,784	1,770	1,881	111
Latin America	428	509	517	550	553	3
Argentina	61	64	75	94	113	19
Bolivia	5	5	9	11	6	-5
Brazil	75	86	71	54	42	-12
Colombia	54	75	39	45	46	1
Ecuador	11	39	44	50	41	-9
Mexico	80	105	114	98	72	-26
Trinidad & Tobago	1	4	5	3	3	-
Venezuela	125	116	149	186	221	35
Others	16	15	11	9	9	-
Eastern Europe and Eurasia	400	404	428	410	420	10
Azerbaijan	15	14	14	14	17	3
Kazakhstan	58	60	60	59	57	-2
Poland	9	11	15	12	12	-
Romania	15	10	10	12	17	5
Russia	294	300	320	304	307	3
Turkmenistan	9	9	9	9	10	1
Others	-	-	-	-	-	-
Western Europe	105	112	136	126	138	12
Germany	7	5	6	4	3	-1
Italy	4	4	5	4	4	-
Netherlands	7	4	9	5	10	5
Norway	19	10	25	14	14	-
United Kingdom	20	16	21	12	20	8
Others	48	73	70	87	87	-
Middle East	319	446	518	535	505	-30
IR Iran	54	123	133	138	135	-3
Iraq	36	59	92	83	69	-14
Kuwait	24	32	31	31	45	14
Oman	41	50	43	65	57	-8
Qatar	6	6	6	5	6	1
Saudi Arabia	98	121	148	148	145	-3
Syrian Arab Republic	31	27	27	22	11	-11
United Arab Emirates	13	19	26	30	30	-
Yemen	12	2	4	6	3	-3
Others	4	7	8	7	4	-3
Africa	204	240	209	265	265	-
Algeria	24	33	38	49	49	-
Angola	11	22	27	28	37	9
Egypt	57	71	48	52	52	-
Gabon	4	6	6	6	7	1
Libya	60	55	23	31	31	-
Nigeria	35	38	44	59	46	-13
Others	13	15	23	40	43	3
Asia and Pacific	1,100	1,068	1,069	1,076	1,061	-15
Australia	16	14	23	18	18	-
China	835	833	827	827	823	-4
India	112	117	114	121	114	-7
Indonesia	60	53	43	38	40	2
Malaysia	8	8	13	12	8	-4
New Zealand	5	4	6	8	6	-2
Pakistan	15	12	21	21	19	-2
Others	49	27	22	31	33	2
Total world	4,665	5,211	5,014	5,104	5,197	93
<i>of which</i>						
OPEC	497	663	761	838	855	17
<i>OPEC percentage</i>	<i>10.7</i>	<i>12.7</i>	<i>15.2</i>	<i>16.4</i>	<i>16.5</i>	
OECD	2,297	2,642	2,391	2,364	2,365	1
FSU	400	404	428	410	420	10

Notes: Figures as at year-end. Number of workover rigs for Venezuela is 181 in 2014, 75 in 2013, 144 in 2012, 128 in 2011 and 77 in 2010. Average active rigs of the US is 1,862 in 2014, 1,761 in 2013, 1,919 in 2012, 1,879 in 2011 and 1,546 in 2010.

Graph 3.1: World proven crude oil reserves
(bn b)**Graph 3.2: OPEC Members' proven crude oil reserves**
(bn b)**Graph 3.3: World crude oil production**
(m b/d)**Graph 3.4: OPEC Members' crude oil production**
(m b/d)

Wells completed in OPEC Members

	2010	2011	2012	2013	2014	change 14/13
Algeria	258	249	258	191	215	24
Angola	118	112	127	115	87	-28
Ecuador	176	207	268	316	327	11
IR Iran	186	204	323	321	306	-15
Iraq	71	76	228	313	281	-32
Kuwait ¹	268	523	533	590	596	6
Libya	200	76	68	106	162	56
Nigeria	94	124	107	114	141	27
Qatar	35	29	87	88	99	11
Saudi Arabia ¹	336	312	362	429	538	109
United Arab Emirates	182	266	304	277	292	15
Venezuela	890	1,050	788	415	669	254
OPEC	2,814	3,228	3,453	3,275	3,713	438
Total world	96,230	99,039	101,757	104,888	106,540	1,652

Notes:

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

Table 3.4**Oil data: upstream**

Producing wells in OPEC Members

	2010	2011	2012	2013	2014	change 14/13
Algeria	2,014	2,010	2,061	2,061	2,042	-19
Angola	1,321	1,476	1,554	1,554	1,509	-45
Ecuador	3,025	3,079	3,177	3,414	3,592	178
IR Iran	2,074	2,026	2,119	2,204	2,281	77
Iraq	1,526	1,695	1,700	1,735	1,963	228
Kuwait ¹	1,667	1,798	1,831	1,794	1,760	-34
Libya	2,060	609	1,910	1,308	632	-676
Nigeria	2,068	2,116	2,168	1,951	2,010	59
Qatar	513	517	517	511	500	-11
Saudi Arabia ¹	2,895	3,245	3,407	3,372	3,406	34
United Arab Emirates	1,458	1,592	1,640	1,722	1,735	13
Venezuela	14,651	14,915	14,959	14,809	14,710	-99
OPEC	35,272	35,078	37,043	36,435	36,140	-295
Total world	936,873	971,879	981,598	981,696	1,060,232	78,536

Notes:

Excluding shut-in wells.

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

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

Daily crude oil production (average)

	1960	1970	1980	1990	2000	2014
Algeria	181.1	1,029.1	1,019.9	783.5	796.0	1,192.8
Angola	1.1	83.9	150.0	473.8	736.1	1,653.7
Ecuador	7.5	4.1	204.1	286.1	392.2	556.6
IR Iran	1,067.7	3,829.0	1,467.4	3,135.3	3,661.3	3,117.1
Iraq	972.2	1,548.6	2,646.4	2,112.6	2,810.0	3,110.5
Kuwait ¹	1,691.8	2,989.6	1,663.7	858.6	1,996.1	2,866.8
Libya	–	3,318.0	1,831.6	1,389.1	1,347.2	479.9
Nigeria	17.4	1,083.1	2,058.0	1,726.7	2,053.6	1,807.0
Qatar	174.6	362.4	471.4	405.6	648.2	709.2
Saudi Arabia ¹	1,313.5	3,799.1	9,900.5	6,412.5	8,094.5	9,712.7
United Arab Emirates	–	779.6	1,701.9	1,762.6	2,174.7	2,794.0
Venezuela	2,846.1	3,708.0	2,165.0	2,135.2	2,891.0	2,682.6
OPEC	8,273.0	22,534.5	25,279.9	21,481.6	27,600.8	30,682.9

Notes:

1. Figures include share of production from Neutral Zone.

Cumulative crude oil production up to and including year

	1960	1970	1980	1990	2000	2014
Algeria	81,372	2,569,469	6,404,548	8,974,340	11,837,030	17,816,465
Angola	1,127	76,423	623,359	1,681,478	3,972,081	11,257,140
Ecuador	2,745	26,191	617,927	1,526,131	2,843,162	5,309,668
IR Iran	4,167,717	12,357,977	29,969,896	38,410,483	51,367,070	70,269,468
Iraq	2,750,439	7,476,078	15,826,156	22,246,208	26,918,241	38,864,940
Kuwait ¹	4,333,049	13,028,906	21,993,164	25,857,094	32,092,887	44,722,186
Libya	–	5,476,384	12,810,843	16,929,582	21,993,272	28,841,762
Nigeria	12,318	1,138,896	8,389,456	13,656,562	20,572,881	30,934,030
Qatar	451,617	1,428,583	3,199,374	4,334,808	6,032,088	9,778,073
Saudi Arabia ¹	4,345,242	13,283,848	42,306,785	61,814,608	91,266,532	136,422,187
United Arab Emirates	–	1,160,471	7,164,231	11,921,927	19,785,670	32,213,266
Venezuela	13,865,487	26,301,976	36,046,663	42,528,079	51,772,971	66,438,980
OPEC	30,011,111	84,325,201	185,352,402	249,881,299	340,453,882	492,868,162

Notes:

1. Figures include share of production from Neutral Zone.

Table 3.6**Oil data: upstream**

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

	2010	2011	2012	2013	2014	% change 14/13
North America	6,709.0	6,905.6	7,805.2	8,842.8	10,061.7	13.8
Canada	1,227.1	1,260.8	1,308.5	1,381.6	1,399.0	1.3
United States	5,481.9	5,644.8	6,496.7	7,461.2	8,662.7	16.1
Latin America	9,630.3	9,791.1	9,685.5	9,683.8	9,726.0	0.4
Argentina	572.7	536.9	533.4	525.4	518.8	-1.3
Brazil	2,054.7	2,105.4	2,061.3	2,023.9	2,254.6	11.4
Chile	3.0	4.5	6.1	6.7	6.6	-1.3
Colombia	785.4	915.2	944.2	1,008.2	988.0	-2.0
Ecuador	476.4	500.3	503.6	526.4	556.6	5.7
Mexico	2,577.2	2,552.5	2,547.9	2,522.2	2,428.9	-3.7
Peru	72.6	69.6	66.6	62.8	69.3	10.4
Trinidad & Tobago	98.2	92.0	81.7	81.2	81.2	0.0
Venezuela	2,853.6	2,880.9	2,803.9	2,789.5	2,682.6	-3.8
Others	136.3	133.9	136.7	137.7	139.4	1.3
Eastern Europe and Eurasia	12,646.6	12,613.0	12,624.7	12,757.5	12,782.1	0.2
Azerbaijan	1,026.7	915.9	844.5	814.7	793.1	-2.6
Kazakhstan	1,333.4	1,325.9	1,306.5	1,372.8	1,344.8	-2.0
Romania	85.7	83.8	82.0	82.1	80.2	-2.3
Russia	9,841.3	9,943.3	10,042.9	10,146.6	10,221.1	0.7
Turkmenistan	174.0	173.6	187.3	180.4	185.9	3.0
Ukraine	51.4	48.7	46.0	43.7	40.7	-6.7
Others	133.9	121.7	115.5	117.2	116.2	-0.9
Western Europe	3,529.6	3,196.3	2,888.2	2,724.2	2,752.0	1.0
Denmark	246.2	221.7	201.9	176.0	164.9	-6.3
France	18.0	17.8	16.3	16.0	15.3	-4.2
Germany	49.0	51.8	51.1	51.8	48.1	-7.2
Italy	96.0	99.2	101.0	101.6	106.3	4.7
Netherlands	19.9	21.4	21.6	21.6	29.7	37.2
Norway	1,798.6	1,680.1	1,532.8	1,463.6	1,517.8	3.7
Turkey	48.3	45.7	44.8	46.2	47.7	3.1
United Kingdom	1,202.4	1,006.0	868.6	796.1	771.8	-3.1
Others	51.2	52.5	50.2	51.3	50.4	-1.8
Middle East	21,030.6	23,004.8	24,106.5	23,845.3	23,514.6	-1.4
Bahrain	181.8	190.3	173.0	197.6	206.3	4.4
IR Iran	3,544.0	3,576.0	3,739.8	3,575.3	3,117.1	-12.8
Iraq	2,358.1	2,652.6	2,942.4	2,979.6	3,110.5	4.4
Kuwait ¹	2,312.1	2,658.7	2,977.6	2,924.7	2,866.8	-2.0
Oman	758.3	780.1	813.5	844.3	856.1	1.4
Qatar	733.4	733.5	733.6	723.9	709.2	-2.0
Saudi Arabia ¹	8,165.6	9,311.0	9,763.0	9,637.0	9,712.7	0.8
Syrian Arab Republic	386.0	333.3	151.6	45.3	22.8	-49.6
United Arab Emirates	2,323.8	2,564.2	2,653.0	2,796.5	2,794.0	-0.1
Yemen	267.5	205.1	159.2	121.0	119.2	-1.5
Africa	8,667.9	7,428.2	8,187.4	7,633.1	7,160.9	-6.2
Algeria	1,189.8	1,161.6	1,199.8	1,202.6	1,192.8	-0.8
Angola	1,757.6	1,618.0	1,704.0	1,701.2	1,653.7	-2.8
Congo	295.6	295.3	277.1	266.7	264.3	-0.9
Egypt	534.1	530.4	533.1	531.3	531.8	0.1
Equatorial Guinea	256.1	239.9	262.1	257.1	270.9	5.3
Gabon	252.4	251.0	242.0	234.1	231.3	-1.2
Libya	1,486.6	489.5	1,450.0	993.3	479.9	-51.7
Nigeria	2,048.3	1,974.8	1,954.1	1,753.7	1,807.0	3.0
Sudans	462.2	428.0	119.3	232.3	285.6	23.0
Others	385.2	439.6	445.9	460.8	443.5	-3.7
Asia and Pacific	7,671.6	7,487.7	7,487.1	7,422.5	7,422.8	-
Australia	480.0	413.8	405.7	335.3	353.6	5.5
Brunei	159.4	156.5	145.7	122.1	114.4	-6.3
China	4,076.4	4,052.1	4,074.2	4,163.8	4,194.6	0.7
India	735.6	766.9	759.7	755.8	752.8	-0.4
Indonesia	824.4	794.4	763.4	732.2	696.4	-4.9
Malaysia	653.0	582.8	597.5	588.2	610.1	3.7
New Zealand	54.9	46.8	41.1	35.4	39.5	11.8
Others	687.9	674.5	699.9	689.8	661.3	-4.1
Total world	69,885.6	70,426.7	72,784.6	72,909.2	73,420.1	0.7
<i>of which</i>						
OPEC	29,249.4	30,121.2	32,424.7	31,603.8	30,682.9	-2.9
<i>OPEC percentage</i>	<i>41.9</i>	<i>42.8</i>	<i>44.5</i>	<i>43.3</i>	<i>41.8</i>	
OECD	13,361.0	13,121.3	13,699.9	14,479.8	15,655.0	8.1
FSU	12,516.3	12,484.1	12,495.6	12,623.1	12,646.7	0.2

Notes:

1. Figures include share of production from Neutral Zone.

Table 3.7

Oil data: upstream

Non-OPEC oil supply and OPEC NGLs (1,000 b/d)

	2010	2011	2012	2013	2014	% change 14/13
North America	12,002.5	12,571.7	13,815.1	15,272.4	17,178.0	12.5
Canada	3,356.7	3,542.3	3,771.8	4,033.5	4,313.1	6.9
United States	8,645.8	9,029.5	10,043.3	11,238.9	12,864.9	14.5
Latin America	7,608.8	7,653.8	7,610.2	7,689.1	7,850.3	2.1
Argentina	720.7	688.9	688.4	676.4	685.8	1.4
Brazil	2,660.8	2,635.1	2,600.9	2,640.5	2,899.2	9.8
Chile	12.1	12.8	11.4	10.4	8.7	-16.7
Colombia	800.4	934.2	965.2	1,030.2	1,011.0	-1.9
Mexico	2,961.6	2,945.4	2,922.5	2,892.2	2,801.2	-3.1
Peru	157.2	152.7	153.1	167.3	172.9	3.3
Trinidad & Tobago	145.5	136.9	116.9	115.4	112.1	-2.8
Others	150.3	147.9	151.7	156.7	159.4	1.8
Eastern Europe and Eurasia	13,403.4	13,404.5	13,450.6	13,611.2	13,630.4	0.1
Azerbaijan	1,068.7	952.6	896.2	869.5	841.2	-3.3
Kazakhstan	1,596.1	1,602.7	1,586.4	1,642.7	1,623.5	-1.2
Romania	91.7	90.7	89.0	89.1	87.2	-2.1
Russia	10,141.9	10,265.8	10,372.7	10,506.0	10,576.4	0.7
Turkmenistan	196.0	197.6	213.3	209.4	217.9	4.1
Ukraine	77.8	73.6	75.1	69.2	60.3	-12.8
Others	231.1	221.5	218.1	225.3	223.8	-0.7
Western Europe	4,347.5	4,030.7	3,726.3	3,521.1	3,544.5	0.7
Denmark	247.2	223.7	203.9	180.0	168.9	-6.1
France	97.2	98.3	94.3	90.5	89.8	-0.8
Germany	145.3	153.1	149.9	145.2	141.2	-2.8
Italy	107.8	140.4	144.7	144.3	140.8	-2.4
Netherlands	41.4	42.2	48.1	54.2	49.7	-8.4
Norway	2,137.4	2,040.1	1,917.1	1,837.7	1,894.5	3.1
Turkey	48.3	45.7	44.8	46.2	47.7	3.1
United Kingdom	1,365.6	1,121.1	956.0	874.7	862.1	-1.4
Others	157.4	166.2	167.4	148.4	149.8	1.0
Middle East	1,778.9	1,692.1	1,469.0	1,361.1	1,342.6	-1.4
Bahrain	203.8	212.3	195.0	218.6	227.3	4.0
Oman	864.6	885.5	918.6	942.1	943.3	0.1
Syrian Arab Republic	421.0	367.1	176.6	59.5	32.8	-44.8
Yemen	289.5	227.1	178.7	141.0	139.2	-1.3
Africa	2,597.6	2,589.3	2,287.7	2,397.7	2,417.7	0.8
Congo	295.6	295.3	277.1	266.7	264.3	-0.9
Egypt	708.1	702.4	710.1	714.3	709.8	-0.6
Equatorial Guinea	323.1	300.9	321.1	316.0	329.8	4.4
Gabon	252.4	251.0	242.0	234.1	231.3	-1.2
Sudans	462.2	428.0	119.3	232.3	285.6	23.0
Others	556.2	611.6	618.2	634.4	596.9	-5.9
Asia and Pacific	8,501.3	8,357.7	8,397.9	8,327.3	8,348.9	0.3
Australia	557.5	486.5	475.7	402.0	428.6	6.6
Brunei	171.7	169.2	158.6	135.3	126.7	-6.4
China	4,122.9	4,114.5	4,158.1	4,247.2	4,281.6	0.8
India	855.3	888.0	879.5	872.4	870.4	-0.2
Indonesia	1,044.9	1,024.2	986.8	948.4	907.7	-4.3
Malaysia	717.0	650.8	669.7	666.0	689.8	3.6
New Zealand	59.8	50.3	45.6	41.4	46.6	12.5
Others	972.2	974.2	1,024.0	1,014.6	997.5	-1.7
Non-OPEC production	50,240.1	50,299.7	50,756.7	52,180.0	54,312.5	4.1
Processing gains	2,112.0	2,127.0	2,129.0	2,131.0	2,164.0	1.5
Non-OPEC supply	52,352.1	52,426.7	52,885.7	54,311.0	56,476.5	4.0
OPEC NGL	4,871.1	5,249.5	5,366.4	5,416.5	5,569.3	2.8
OPEC non-conventional (NCF)	109.3	133.4	200.3	232.0	260.0	12.1
OPEC (NGL+NCF)	4,980.4	5,383.0	5,566.7	5,648.5	5,829.2	3.2
Non-OPEC & OPEC (NGL+NCF)	57,332.5	57,809.6	58,452.4	59,959.5	62,305.7	3.9
<i>of which</i>						
OECD	20,026.3	20,180.0	21,087.1	22,238.3	24,103.6	8.4
FSU	13,214.0	13,214.0	13,255.9	13,406.7	13,426.3	0.1

Visit our

Interactive ASB





SECTION 4

Oil data: downstream

Table 4.1

Oil data: downstream

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

	Location	2010	2011	2012	2013	2014
Algeria		592.0	592.0	592.0	650.8	650.8
Sonatrach	Skikda	323.4	323.4	323.4	355.3	355.3
	Skikda (condensate)	122.2	122.2	122.2	122.2	122.2
	Arzew	53.8	53.8	53.8	80.8	80.8
	Alger	58.1	58.1	58.1	58.1	58.1
	Hassi Messaoud	21.5	21.5	21.5	21.5	21.5
	Adrar	12.9	12.9	12.9	12.9	12.9
Angola		39.0	39.0	39.0	39.0	39.0
Fina Petroleos de Angola	Luanda	39.0	39.0	39.0	39.0	39.0
Ecuador		188.4	188.4	188.4	190.8	190.8
Petroindustrial	Esmeraldas	110.0	110.0	110.0	110.0	110.0
	Santa Elens	45.0	45.0	45.0	45.0	45.0
	Shushufindi	20.0	20.0	20.0	20.0	20.0
Repsol YPF	Orellana	7.2	7.2	7.2	7.2	7.2
Andes Petroleum	Sucumbios	3.5	3.5	3.5	3.5	3.5
Petroproduccion	El Oro	nap	nap	nap	2.4	2.4
	Sucumbios	1.7	1.7	1.7	1.7	1.7
	Lago Agrio	1.0	1.0	1.0	1.0	1.0
IR Iran		1,715.0	1,715.0	1,715.0	1,715.0	1,781.0
NIOC	Abadan	360.0	360.0	360.0	360.0	399.0
	Isfahan	370.0	370.0	370.0	370.0	375.0
	Bandar Abbas	320.0	320.0	320.0	320.0	284.0
	Tehran	220.0	220.0	220.0	220.0	245.0
	Arak	250.0	250.0	250.0	250.0	242.0
	Tabriz	110.0	110.0	110.0	110.0	110.0
	Shiraz	40.0	40.0	40.0	40.0	56.0
	Lavan	20.0	20.0	20.0	20.0	48.0
	Kermanshah	25.0	25.0	25.0	25.0	22.0
Iraq		810.0	810.0	820.0	830.0	900.0
INOC	Baiji	310.0	310.0	310.0	310.0	310.0
	Basrah	140.0	140.0	140.0	140.0	210.0
	Daura	140.0	140.0	140.0	140.0	140.0
	Kirkuk	30.0	30.0	30.0	30.0	30.0
	Sainia	20.0	20.0	20.0	30.0	30.0
	Najaf	30.0	30.0	30.0	30.0	30.0
	Samawa	30.0	30.0	30.0	30.0	30.0
	Nasirya	30.0	30.0	30.0	30.0	30.0
	Missan	30.0	30.0	30.0	30.0	30.0
	Diwania	10.0	10.0	20.0	20.0	20.0
	Haditha	16.0	16.0	16.0	16.0	16.0
	Qaiarah	14.0	14.0	14.0	14.0	14.0
	Kask	10.0	10.0	10.0	10.0	10.0
Kuwait		936.0	936.0	936.0	936.0	936.0
KNPC	Mina Al-Ahmadi	466.0	466.0	466.0	466.0	466.0
	Mina Abdullah	270.0	270.0	270.0	270.0	270.0
	Shuaiba	200.0	200.0	200.0	200.0	200.0

Table 4.1

Oil data: downstream

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

	Location	2010	2011	2012	2013	2014
Libya		380.0	380.0	380.0	380.0	380.0
NOC	Ras Lanuf	220.0	220.0	220.0	220.0	220.0
	Zawia	120.0	120.0	120.0	120.0	120.0
	Tobruk	20.0	20.0	20.0	20.0	20.0
	Sarir	10.0	10.0	10.0	10.0	10.0
	Marsa El-Brega	10.0	10.0	10.0	10.0	10.0
Nigeria		445.0	445.0	445.0	445.0	445.0
PHRC	New Port Hartcourt	150.0	150.0	150.0	150.0	150.0
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	Old Port Hartcourt	60.0	60.0	60.0	60.0	60.0
Qatar		283.0	283.0	283.0	283.0	283.0
Qatar Petroleum	Ras Laffan condensate	146.0	146.0	146.0	146.0	146.0
	Mesaieed refinery & condensate	137.0	137.0	137.0	137.0	137.0
Saudi Arabia		2,109.0	2,107.0	2,107.0	2,507.0	2,907.0
Saudi Aramco	Ras Tanura	550.0	550.0	550.0	550.0	550.0
	Yanbu	235.0	235.0	235.0	235.0	235.0
	Riyadh	124.0	124.0	124.0	124.0	124.0
	Jeddah	88.0	88.0	88.0	88.0	88.0
Saudi Aramco & Mobil	Samref	400.0	400.0	400.0	400.0	400.0
Saudi Aramco & Petrola	Rabigh	402.0	400.0	400.0	400.0	400.0
Saudi Aramco & Total	Satorp	nap	nap	nap	400.0	400.0
Saudi Aramco	Yasref	nap	nap	nap	nap	400.0
Saudi Aramco & Shell	Sasref	310.0	310.0	310.0	310.0	310.0
United Arab Emirates		675.0	675.0	675.0	707.0	707.0
ADNOC	Al-Ruwais	400.0	400.0	400.0	400.0	400.0
Emirate Oil	Jebel Ali	120.0	120.0	120.0	140.0	140.0
ADNOC	Umm Al-Narr	85.0	85.0	85.0	85.0	85.0
METRO Oil	Fujairah	70.0	70.0	70.0	82.0	82.0
Venezuela		1,867.9	1,872.0	1,872.0	1,855.0	1,890.6
PDVSA	Amuay	600.0	600.0	600.0	600.0	600.0
	Cardon	340.0	340.0	340.0	340.0	340.0
	Puerto La Cruz	195.5	195.5	195.5	195.5	195.5
	El Palito	126.9	126.9	126.9	126.9	126.9
	San Roque	5.2	5.2	5.2	5.2	5.2
	Bajo Grande	2.4	4.1	4.1	5.0	5.0
	Petropiar ¹	190.8	184.2	184.2	145.8	198.0
	Petromonagas ¹	130.7	130.4	130.4	132.2	136.0
	Petrocedeno ¹	195.8	175.3	175.3	181.7	153.0
	Petrozuata ¹	80.5	110.4	110.4	122.7	131.0
OPEC		10,040.2	10,042.3	10,052.3	10,538.6	11,110.2

Notes:

1. Upgrader refinery capacity.

Table 4.2**Oil data: downstream**

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

	2010	2011	2012	2013	2014	change 14/13
North America	19,487.9	19,775.4	19,377.7	19,865.1	19,908.7	43.6
Canada	1,912.9	2,039.4	2,049.7	2,049.7	2,049.7	–
United States	17,575.0	17,736.0	17,328.0	17,815.4	17,859.0	43.6
Latin America	8,525.1	8,780.6	8,785.2	8,363.7	8,514.3	150.6
Argentina	627.1	627.1	630.6	630.6	630.6	–
Brazil	1,988.0	2,010.0	2,000.0	2,093.0	2,208.0	115.0
Colombia	330.0	330.0	330.0	330.0	330.0	–
Ecuador	188.4	188.4	188.4	190.8	190.8	–
Mexico	1,540.0	1,690.0	1,690.0	1,690.0	1,690.0	–
Netherland Antilles	320.0	320.0	320.0	320.0	320.0	–
Trinidad & Tobago	168.0	168.0	168.0	168.0	168.0	–
Venezuela ¹	1,867.9	1,872.0	1,872.0	1,855.0	1,890.6	35.6
Others	1,495.9	1,575.2	1,586.3	1,086.3	1,086.3	–
Eastern Europe and Eurasia	9,894.4	9,978.2	10,163.2	10,262.7	10,337.7	75.0
Azerbaijan	399.0	399.0	399.0	399.0	399.0	–
Belarus	493.3	493.3	493.3	493.3	493.3	–
Kazakhstan	345.1	345.1	345.1	345.1	345.1	–
Poland	493.0	493.0	493.0	493.0	493.0	–
Romania	516.6	537.3	537.3	461.8	461.8	–
Russia	5,508.0	5,569.0	5,754.0	5,929.0	6,004.0	75.0
Ukraine	879.8	879.8	879.8	879.8	879.8	–
Others	1,259.8	1,261.8	1,261.8	1,261.8	1,261.8	–
Western Europe	15,443.2	15,155.9	14,790.8	14,136.1	13,918.6	–217.5
Belgium	797.6	740.3	739.8	739.8	739.8	–
France	1,983.7	1,843.8	1,718.8	1,508.4	1,406.0	–102.4
Germany	2,410.7	2,417.7	2,247.0	2,247.0	2,188.0	–59.0
Italy	2,337.2	2,337.2	2,337.2	2,115.7	2,046.0	–69.7
Netherlands	1,205.7	1,208.6	1,196.6	1,196.6	1,196.6	–
Spain	1,271.5	1,271.5	1,271.5	1,291.5	1,427.5	136.0
United Kingdom	1,866.2	1,766.2	1,767.2	1,524.4	1,402.0	–122.4
Others	3,570.6	3,570.6	3,512.7	3,512.7	3,512.7	–
Middle East	7,710.3	7,708.3	7,718.3	8,160.3	8,696.3	536.0
IR Iran	1,715.0	1,715.0	1,715.0	1,715.0	1,781.0	66.0
Iraq	810.0	810.0	820.0	830.0	900.0	70.0
Kuwait	936.0	936.0	936.0	936.0	936.0	–
Qatar	283.0	283.0	283.0	283.0	283.0	–
Saudi Arabia	2,109.0	2,107.0	2,107.0	2,507.0	2,907.0	400.0
UAE	675.0	675.0	675.0	707.0	707.0	–
Others	1,182.3	1,182.3	1,182.3	1,182.3	1,182.3	–
Africa	3,366.7	3,388.0	3,386.0	3,464.8	3,464.8	–
Algeria	592.0	592.0	592.0	650.8	650.8	–
Angola	39.0	39.0	39.0	39.0	39.0	–
Egypt	726.3	726.3	726.3	726.3	726.3	–
South Africa	485.3	486.5	484.5	484.5	484.5	–
Libya	380.0	380.0	380.0	380.0	380.0	–
Nigeria	445.0	445.0	445.0	445.0	445.0	–
Others	699.2	719.2	719.2	739.2	739.2	–

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

	2010	2011	2012	2013	2014	change 14/13
Asia and Pacific	28,473.7	29,487.7	30,504.6	30,555.5	30,876.3	320.8
Australia	724.7	757.2	760.1	674.1	541.1	-133.0
China	10,302.2	10,834.3	11,547.3	11,787.3	12,337.3	550.0
India	3,723.0	3,883.6	4,278.8	4,319.0	4,319.0	—
Indonesia	1,157.0	1,157.0	1,157.0	1,157.0	1,157.0	—
Japan	4,516.4	4,499.2	4,477.4	4,339.7	3,947.0	-392.7
South Korea	2,712.3	2,859.5	2,887.0	2,887.0	2,958.5	71.5
Singapore	1,357.0	1,357.0	1,357.0	1,344.5	1,444.5	100.0
Taiwan	1,310.0	1,310.0	1,310.0	1,310.0	1,310.0	—
Others	2,671.1	2,829.9	2,729.9	2,736.9	2,861.9	125.0
Total world	92,901.3	94,274.0	94,725.7	94,808.2	95,716.6	908.4
<i>of which</i>						
OPEC	10,040.2	10,042.3	10,052.3	10,538.6	11,110.2	571.6
<i>OPEC percentage</i>	<i>10.8</i>	<i>10.7</i>	<i>10.6</i>	<i>11.1</i>	<i>11.6</i>	
OECD	45,195.1	45,507.8	44,753.7	44,362.7	43,734.5	-628.2
FSU	8,284.4	8,347.4	8,532.4	8,707.4	8,782.4	75.0

Notes:

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

Table 4.3

Charge refinery capacity in OPEC Members, 2014 (1,000 b/cd)

	Vacuum distillation	Thermal operations	Catalytic cracking	Catalytic reforming	Catalytic ¹ hydrocracking	Catalytic hydrotreating
Algeria	10.7	—	7.1	89.7	—	82.0
Angola	2.5	8.7	—	2.4	—	3.4
Ecuador	45.3	31.5	18.0	12.8	—	27.5
IR Iran	624.0	198.8	40.0	197.4	145.0	180.2
Iraq	145.0	—	—	88.0	74.2	292.0
Kuwait	341.8	80.0	43.0	54.6	204.5	588.7
Libya	3.7	—	—	20.3	—	43.3
Nigeria	132.2	2.3	86.0	73.5	33.0	110.8
Qatar	—	—	60.0	24.6	194.0	39.4
Saudi Arabia	445.9	191.1	103.6	240.4	135.0	493.0
United Arab Emirates	92.8	—	34.4	81.2	68.0	168.0
Venezuela	682.0	273.0	231.8	49.5	—	389.7
OPEC	2,525.9	785.5	623.9	934.4	853.7	2,417.9

Notes:

1. Includes GTL cracker capacities for Nigeria and Qatar.

Table 4.4**Oil data: downstream**

World refinery throughput by country (1,000 b/d)

	2010	2011	2012	2013	2014	% change 14/13
North America	16,378.0	16,388.6	16,734.0	17,032.5	17,562.9	3.1
Canada	1,773.8	1,679.7	1,754.5	1,739.3	1,739.3	–
United States	14,604.2	14,708.9	14,979.4	15,293.2	15,823.5	3.5
Latin America	6,845.3	7,024.8	6,967.6	6,774.2	6,561.2	–3.1
Argentina	530.8	515.4	529.3	522.9	523.7	0.1
Brazil	1,813.0	1,865.0	1,927.0	2,055.0	2,073.0	0.9
Colombia	293.0	304.4	296.8	288.6	237.3	–17.8
Ecuador	127.5	156.6	152.0	140.4	137.8	–1.9
Mexico	1,186.4	1,167.9	1,206.5	1,224.6	1,152.8	–5.9
Netherland Antilles	86.4	168.7	175.2	143.4	147.7	3.0
Trinidad & Tobago	126.7	136.8	108.4	125.5	104.3	–16.9
Venezuela	1,417.7	1,441.5	1,315.8	1,393.6	1,526.8	9.6
Others	1,263.9	1,268.5	1,256.7	880.0	657.8	–25.3
Eastern Europe and Eurasia	7,583.3	7,786.6	7,952.6	8,104.5	8,422.9	3.9
Azerbaijan	127.2	122.7	120.8	129.2	131.8	2.0
Belarus	330.5	411.2	435.1	424.9	435.5	2.5
Kazakhstan	286.8	295.6	295.8	297.6	299.4	0.6
Poland	458.5	481.7	503.8	487.9	485.8	–0.4
Romania	200.8	198.8	188.2	193.9	215.8	11.3
Russia	5,032.5	5,191.4	5,434.9	5,590.9	5,915.3	5.8
Ukraine	209.7	166.2	78.4	77.3	61.8	–20.0
Others	937.4	919.2	895.7	903.0	877.5	–2.8
Western Europe	11,780.7	11,403.8	11,346.0	10,707.6	10,679.7	–0.3
Belgium	671.7	599.7	638.0	555.5	645.3	16.2
France	1,338.4	1,336.9	1,157.1	1,138.4	1,115.3	–2.0
Germany	1,956.1	1,917.0	1,940.2	1,895.3	1,861.8	–1.8
Italy	1,683.7	1,580.0	1,487.4	1,270.9	1,202.3	–5.4
Netherlands	1,043.5	1,012.4	1,008.2	959.7	1,023.4	6.6
Spain	1,053.5	1,044.7	1,177.3	1,161.2	1,178.5	1.5
United Kingdom	1,419.1	1,460.1	1,376.9	1,219.6	1,129.9	–7.4
Others	2,614.8	2,453.0	2,560.8	2,507.0	2,523.3	0.6
Middle East	6,420.4	6,534.0	6,686.3	6,505.8	6,667.4	2.5
IR Iran	1,512.5	1,552.1	1,781.3	1,893.6	1,774.8	–6.3
Iraq	526.5	549.9	587.0	606.5	495.3	–18.3
Kuwait	882.7	842.5	905.5	863.7	871.8	0.9
Qatar	294.0	278.0	292.0	269.0	261.0	–3.0
Saudi Arabia	1,743.6	1,827.2	1,726.1	1,577.5	2,000.0	26.8
United Arab Emirates	412.4	448.8	444.3	453.9	454.3	0.1
Others	1,048.7	1,035.5	950.2	841.6	810.2	–3.7
Africa	2,323.1	2,088.6	2,148.7	2,043.5	2,164.9	5.9
Algeria	452.4	447.5	456.3	456.9	569.9	24.7
Angola	28.3	44.4	38.8	33.4	31.6	–5.4
Egypt	544.0	534.5	532.9	487.4	514.1	5.5
South Africa	428.8	452.0	464.9	400.7	451.7	12.7
Libya	369.2	116.3	123.3	140.1	91.9	–34.4
Nigeria	73.1	73.4	84.7	94.7	67.1	–29.1
Others	427.3	420.4	447.7	430.4	438.6	1.9
Asia and Pacific	23,833.3	24,243.7	25,013.0	25,542.2	25,917.3	1.5
Australia	606.4	627.0	599.6	587.6	538.0	–8.4
China	8,637.6	8,880.8	9,239.9	9,533.5	10,086.9	5.8
India	3,945.9	4,091.9	4,394.9	4,466.1	4,503.3	0.8
Indonesia	853.4	879.5	819.9	822.3	760.0	–7.6
Japan	3,433.5	3,230.2	3,223.5	3,265.7	3,101.3	–5.0
South Korea	2,404.5	2,543.9	2,599.7	2,498.1	2,535.2	1.5
Singapore	939.5	993.4	993.7	1,277.0	1,262.0	–1.2
Chinese Tapei	876.3	808.7	899.5	848.2	850.1	0.2
Others	2,136.3	2,188.5	2,242.3	2,243.7	2,280.5	1.6
Total world	75,164.0	75,470.2	76,848.1	76,710.3	77,976.2	1.7
<i>of which</i>						
OPEC	7,839.9	7,778.3	7,907.0	7,923.3	8,282.2	4.5
<i>OPEC percentage</i>	<i>10.4</i>	<i>10.3</i>	<i>10.3</i>	<i>10.3</i>	<i>10.6</i>	
OECD	36,673.8	36,389.2	36,748.4	36,356.2	36,620.4	0.7
FSU	6,414.4	6,603.6	6,761.2	6,936.2	7,225.9	4.2

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

	2010	2011	2012	2013	2014	% change 14/13
Algeria	631.5	501.3	451.5	506.0	651.3	28.7
Gasoline	69.5	51.3	50.8	48.7	63.3	30.0
Kerosene	34.1	24.3	24.3	36.1	42.2	16.8
Distillates	180.7	154.3	126.4	148.6	190.4	28.2
Residuals	118.7	117.0	86.7	113.0	139.4	23.3
Others	228.5	154.4	163.3	159.5	216.0	35.4
Angola	47.0	39.4	38.7	45.4	43.8	-3.5
Gasoline	1.3	1.3	1.5	1.5	0.5	-66.0
Kerosene	8.5	7.0	7.8	9.2	11.1	21.1
Distillates	10.6	10.6	10.8	12.1	10.1	-16.2
Residuals	12.4	16.4	16.3	16.9	13.0	-23.2
Others	14.2	4.1	2.4	5.8	9.2	57.5
Ecuador	185.1	217.3	132.9	210.0	201.0	-4.3
Gasoline	41.4	55.3	28.3	65.1	81.1	24.6
Kerosene	8.1	8.3	8.2	8.6	8.2	-4.9
Distillates	32.8	37.9	42.1	32.3	29.7	-8.1
Residuals	60.1	67.8	32.6	54.6	45.3	-17.0
Others	42.7	48.0	21.6	49.4	36.7	-25.7
IR Iran	1,743.3	1,748.7	1,811.9	1,918.4	1,774.8	-7.5
Gasoline	346.3	308.5	418.6	455.7	344.4	-24.4
Kerosene	130.2	116.9	124.5	124.5	97.4	-21.7
Distillates	565.5	598.1	555.6	588.6	585.6	-0.5
Residuals	472.0	487.2	476.3	512.8	483.2	-5.8
Others	229.3	238.0	237.0	237.0	264.0	11.4
Iraq	513.2	613.2	580.4	601.3	480.3	-20.1
Gasoline	71.8	75.4	76.4	85.9	58.6	-31.8
Kerosene	51.5	87.4	44.5	41.6	26.7	-35.9
Distillates	102.2	130.1	127.6	132.4	104.2	-21.3
Residuals	246.5	217.2	282.4	293.0	249.8	-14.7
Others	41.2	103.2	49.5	48.4	40.9	-15.4
Kuwait	979.4	881.9	1057.0	992.1	918.3	-7.4
Gasoline	54.9	56.9	52.4	59.2	36.8	-37.9
Kerosene	182.6	176.9	180.8	187.8	195.8	4.3
Distillates	243.5	244.8	227.6	248.3	244.5	-1.5
Residuals	204.8	180.2	199.8	179.8	149.9	-16.6
Others	293.7	223.1	396.4	317.0	291.3	-8.1
Libya	367.2	340.5	148.3	144.8	135.0	-6.8
Gasoline	16.2	17.7	15.1	17.3	16.7	-3.7
Kerosene	43.3	47.5	16.2	16.4	16.8	2.2
Distillates	96.4	78.8	46.2	41.8	37.9	-9.3
Residuals	141.1	137.0	41.4	43.9	42.3	-3.8
Others	70.1	59.5	29.4	25.4	21.4	-15.8

Table 4.5**Oil data: downstream**

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

	2010	2011	2012	2013	2014	% change 14/13
Nigeria	87.7	100.3	82.3	88.5	57.0	-35.6
Gasoline	23.9	29.7	27.4	30.4	17.3	-42.9
Kerosene	13.7	16.0	12.9	15.8	9.8	-37.8
Distillates	20.6	21.8	18.8	18.4	13.2	-28.4
Residuals	24.1	25.2	18.4	20.7	14.5	-29.7
Others	5.3	7.7	4.8	3.3	2.1	-35.9
Qatar	585.0	650.0	659.0	650.0	638.0	-1.8
Gasoline	46.0	43.0	46.0	37.0	46.0	24.3
Kerosene	75.0	84.0	79.0	76.0	67.0	-11.8
Distillates	59.0	54.0	45.0	44.0	45.0	2.3
Residuals	6.0	4.0	6.0	7.0	5.0	-28.6
Others	399.0	465.0	483.0	486.0	475.0	-2.3
Saudi Arabia	1,914.0	1,856.7	1,927.1	1,841.7	2,202.3	19.6
Gasoline	375.6	390.6	398.6	369.0	440.9	19.5
Kerosene	168.2	166.4	174.3	162.9	211.8	30.0
Distillates	633.5	628.5	639.7	602.1	753.0	25.1
Residuals	445.4	416.9	508.4	455.3	481.3	5.7
Others	291.3	254.3	206.1	252.4	315.3	24.9
United Arab Emirates	355.4	446.2	454.3	442.0	402.2	-9.0
Gasoline	43.1	57.3	65.3	71.3	61.0	-14.4
Kerosene	101.7	134.8	147.8	150.8	127.3	-15.6
Distillates	79.5	99.8	85.8	82.7	69.8	-15.5
Residuals	15.9	18.3	15.8	19.6	18.0	-8.1
Others	115.2	136.0	139.7	117.8	126.1	7.1
Venezuela	1,089.1	1,123.9	1,232.0	1,245.1	1,151.2	-7.5
Gasoline	306.1	300.2	294.6	293.1	275.6	-6.0
Kerosene	72.4	78.2	71.2	67.7	61.9	-8.6
Distillates	326.7	272.5	269.2	255.2	246.9	-3.2
Residuals	256.3	305.0	303.7	312.4	255.8	-18.1
Others	127.6	168.1	293.2	316.7	311.0	-1.8
OPEC	8,498.0	8,519.4	8,575.4	8,685.4	8,655.1	-0.3
Gasoline	1,396.0	1,387.4	1,475.0	1,534.0	1,442.2	-6.0
Kerosene	889.4	947.6	891.6	897.4	876.0	-2.4
Distillates	2,351.0	2,331.1	2,194.7	2,206.4	2,330.4	5.6
Residuals	2,003.3	1,992.1	1,987.7	2,029.0	1,897.5	-6.5
Others	1,858.2	1,861.2	2,026.3	2,018.7	2,108.9	4.5

Notes:

Data may include products from GTLs and condensate units.

Table 4.6

Oil data: downstream

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

	2010	2011	2012	2013	2014	% change 14/13
North America	20,444.3	20,562.4	20,471.0	20,749.8	21,284.2	2.6
Canada	1,992.1	1,889.5	1,907.0	1,877.3	1,858.1	-1.0
United States	18,452.2	18,672.8	18,564.0	18,872.5	19,426.1	2.9
Latin America	7,259.6	7,543.2	7,352.0	7,237.6	6,867.5	-5.1
Argentina	622.2	616.9	650.9	681.7	682.8	0.2
Brazil	2,107.7	2,212.4	2,073.4	2,178.8	2,211.6	1.5
Colombia	271.8	292.6	279.2	262.3	220.3	-16.0
Ecuador	185.1	217.3	132.9	210.0	201.0	-4.3
Mexico	1,421.8	1,411.6	1,417.6	1,494.1	1,436.6	-3.9
Netherlands Antilles	88.6	173.2	146.5	146.5	161.2	10.0
Trinidad & Tobago	115.0	137.5	85.0	125.3	104.7	-16.5
Venezuela	1,089.1	1,123.9	1,232.0	1,245.1	1,151.2	-7.5
Others	1,358.3	1,357.8	1,334.6	893.8	698.3	-21.9
Eastern Europe	9,212.8	9,172.4	9,064.3	9,179.4	9,297.1	1.3
Azerbaijan	127.2	122.6	114.7	122.1	125.0	2.3
Belarus	346.0	411.5	408.4	404.3	414.5	2.5
Kazakhstan	300.0	300.0	300.0	352.1	333.6	-5.3
Poland	520.9	550.8	569.5	553.5	550.1	-0.6
Romania	218.7	214.0	216.4	215.2	238.9	11.0
Russia	6,428.8	6,432.4	6,436.1	6,536.1	6,636.1	1.5
Ukraine	262.3	208.5	112.7	87.7	71.5	-18.6
Others	1,008.9	932.5	906.6	908.3	927.5	2.1
Western Europe	13,158.7	12,563.9	12,379.2	12,017.9	11,912.3	-0.9
Belgium	720.0	664.9	714.5	657.6	722.7	9.9
France	1,550.5	1,526.0	1,296.3	1,243.3	1,244.4	0.1
Germany	2,198.2	2,095.8	2,120.1	2,064.5	2,039.1	-1.2
Italy	1,886.7	1,706.5	1,607.2	1,425.7	1,341.2	-5.9
Netherlands	1,247.8	1,217.4	1,208.8	1,175.1	1,203.0	2.4
Spain	1,188.8	1,145.2	1,236.6	1,223.6	1,229.4	0.5
United Kingdom	1,549.1	1,551.9	1,417.9	1,364.7	1,248.0	-8.6
Others	2,817.7	2,656.2	2,777.8	2,863.5	2,884.5	0.7
Middle East	7,192.0	7,208.3	7,443.0	7,364.5	7,248.0	-1.6
IR Iran	1,743.3	1,748.7	1,811.9	1,918.4	1,774.8	-7.5
Iraq	513.2	613.2	580.4	601.3	480.3	-20.1
Kuwait	979.4	881.9	1,057.0	992.1	918.3	-7.4
Qatar	585.0	650.0	659.0	650.0	638.0	-1.8
Saudi Arabia	1,914.0	1,856.7	1,927.1	1,841.7	2,202.3	19.6
United Arab Emirates	355.4	446.2	454.3	442.0	402.2	-9.0
Others	1,101.7	1,011.5	953.3	918.9	832.2	-9.4
Africa	2,543.1	2,415.2	2,185.5	2,152.3	2,331.4	8.3
Algeria	631.5	501.3	451.5	506.0	651.3	28.7
Angola	47.0	39.4	38.7	45.4	43.8	-3.5
Egypt	554.3	548.3	543.9	496.2	521.9	5.2
South Africa	397.6	422.2	500.6	435.6	476.2	9.3
Libya	367.2	340.5	148.3	144.8	135.0	-6.8
Nigeria	87.7	100.3	82.3	88.5	57.0	-35.6
Others	457.7	463.2	420.2	435.8	446.2	2.4
Asia and Pacific	25,798.3	26,099.8	26,771.7	27,075.0	27,727.2	2.4
Australia	657.4	667.9	644.6	615.8	594.4	-3.5
China	9,517.6	9,842.7	10,132.6	10,248.5	10,794.7	5.3
India	3,715.2	3,931.8	4,096.6	4,369.8	4,615.5	5.6
Indonesia	1,190.7	972.6	900.3	901.7	868.9	-3.6
Japan	3,947.8	3,755.1	3,748.1	3,772.1	3,609.3	-4.3
South Korea	2,560.3	2,712.9	2,811.3	2,706.7	2,765.3	2.2
Singapore	1,016.8	1,078.7	1,099.6	1,044.5	1,031.9	-1.2
Chinese Taipei	928.1	869.6	957.0	919.0	918.0	-0.1
Others	2,264.4	2,268.5	2,381.6	2,497.0	2,529.1	1.3
Total world	85,608.7	85,565.2	85,666.6	85,776.6	86,667.7	1.0
<i>of which</i>						
OPEC	8,498.0	8,519.4	8,575.4	8,685.4	8,655.1	-0.3
<i>OPEC percentage</i>	<i>9.9</i>	<i>10.0</i>	<i>10.0</i>	<i>10.1</i>	<i>10.0</i>	
OECD	43,286.9	42,927.1	42,720.3	42,593.7	42,848.1	0.6
FSU	7,876.1	7,813.0	7,709.7	7,847.8	7,936.2	1.1

Notes:

Data may include products from GTL and condensate units.

Table 4.7**Oil data: downstream**

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

	2010	2011	2012	2013	2014	% change 14/13
Algeria	343.6	329.5	351.1	376.8	389.5	3.4
Gasoline	68.3	67.4	79.3	80.7	87.0	7.8
Kerosene	9.9	10.1	11.2	11.3	11.7	3.3
Distillates	184.4	177.1	187.5	207.1	211.7	2.2
Residuals	5.2	4.0	4.0	4.5	4.4	-2.8
Others	75.8	70.8	69.1	73.2	74.7	2.0
Angola	94.9	104.6	118.7	128.1	138.8	8.3
Gasoline	20.8	23.2	25.8	28.6	32.3	12.9
Kerosene	7.8	9.0	10.1	11.3	11.9	6.0
Distillates	51.0	56.5	65.7	70.1	75.9	8.4
Residuals	6.8	7.2	7.9	8.8	9.0	2.5
Others	8.5	8.7	9.2	9.4	9.6	1.6
Ecuador	241.7	257.9	263.9	269.9	280.6	3.9
Gasoline	42.4	44.4	49.8	50.8	52.9	4.2
Kerosene	7.5	7.5	7.3	7.9	7.9	0.8
Distillates	84.4	81.6	79.5	88.9	92.6	4.1
Residuals	49.3	58.8	60.1	56.9	59.7	4.9
Others	58.0	65.7	67.2	65.5	67.5	3.1
IR Iran	1820.4	1784.3	1764.7	1775.8	1845.6	3.9
Gasoline	399.6	372.3	393.4	394.5	437.6	10.9
Kerosene	184.6	142.1	104.2	104.5	137.7	31.7
Distillates	547.5	592.2	618.1	619.8	538.4	-13.1
Residuals	400.5	378.3	342.7	343.7	413.5	20.3
Others	288.2	299.5	306.2	313.3	318.5	1.6
Iraq	693.9	751.7	802.8	835.2	815.4	-2.4
Gasoline	115.2	129.0	136.9	134.3	110.3	-17.8
Kerosene	67.4	66.5	64.8	67.0	55.5	-17.1
Distillates	109.9	139.4	156.4	159.3	131.1	-17.7
Residuals	143.7	154.0	158.9	173.5	153.0	-11.8
Others	257.6	262.8	285.8	301.1	365.5	21.4
Kuwait	358.2	361.0	377.0	379.6	388.2	2.3
Gasoline	62.9	59.1	62.6	65.7	69.0	4.9
Kerosene	17.7	18.1	19.0	19.3	22.0	14.3
Distillates	58.4	51.8	54.1	56.7	54.6	-3.7
Residuals	123.6	133.7	135.0	128.2	127.0	-0.9
Others	95.5	98.4	106.2	109.8	115.6	5.3
Libya	301.1	231.3	236.0	250.0	245.2	-1.9
Gasoline	75.9	62.8	72.9	88.5	89.1	0.7
Kerosene	13.8	9.1	17.3	9.4	6.5	-31.2
Distillates	115.5	82.9	70.2	98.0	96.4	-1.7
Residuals	57.8	50.3	45.8	38.7	38.2	-1.4
Others	38.1	26.3	29.8	15.3	15.0	-2.1

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

	2010	2011	2012	2013	2014	% change 14/13
Nigeria	270.6	311.4	343.6	384.9	396.1	2.9
Gasoline	191.5	215.3	241.3	273.9	283.8	3.6
Kerosene	30.6	43.6	47.7	53.3	53.0	-0.5
Distillates	35.8	43.3	45.1	48.8	50.3	3.1
Residuals	11.9	8.2	8.6	8.0	7.9	-0.7
Others	0.8	0.9	1.0	1.0	1.1	1.3
Qatar	106.9	122.8	123.3	147.0	165.8	12.8
Gasoline	25.1	26.9	31.5	29.6	34.2	15.4
Kerosene	27.7	36.8	40.3	57.5	65.4	13.8
Distillates	38.9	39.8	32.6	39.6	45.3	14.2
Residuals	—	—	—	—	—	—
Others	15.3	19.3	18.8	20.3	20.9	3.3
Saudi Arabia	2599.5	2727.1	2872.7	2994.0	3163.4	5.7
Gasoline	414.7	445.1	480.7	504.5	522.5	3.6
Kerosene	63.7	65.5	67.7	70.0	74.7	6.7
Distillates	618.9	651.0	710.8	729.7	753.3	3.2
Residuals	275.4	310.9	318.8	364.1	379.5	4.2
Others	1226.8	1254.5	1294.8	1325.8	1433.4	8.1
United Arab Emirates	591.1	617.9	638.0	665.2	719.5	8.2
Gasoline	96.1	105.5	127.9	144.0	167.6	16.4
Kerosene	98.0	102.1	95.7	102.8	119.3	16.1
Distillates	97.0	92.4	94.3	92.4	98.2	6.3
Residuals	265.7	282.9	284.8	290.5	295.4	1.7
Others	34.3	35.0	35.3	35.5	39.0	9.8
Venezuela	675.1	741.7	786.3	831.1	751.8	-9.5
Gasoline	290.0	292.9	301.8	299.1	283.3	-5.3
Kerosene	6.5	5.7	7.5	6.6	6.4	-1.6
Distillates	169.0	182.8	217.8	249.1	236.9	-4.9
Residuals	62.1	63.4	46.9	48.5	36.8	-24.1
Others	147.5	196.9	212.2	227.9	188.4	-17.3
OPEC	8096.9	8341.2	8678.2	9037.8	9299.8	2.9
Gasoline	1802.4	1843.7	2004.1	2094.2	2169.5	3.6
Kerosene	535.3	516.2	492.7	520.8	572.2	9.9
Distillates	2110.7	2190.7	2332.1	2459.4	2384.5	-3.0
Residuals	1402.1	1451.7	1413.6	1465.4	1524.5	4.0
Others	2246.3	2338.8	2435.7	2498.1	2649.1	6.0

Table 4.8**Oil data: downstream**

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

	2010	2011	2012	2013	2014	% change 14/13
North America	21,466.4	21,261.7	20,869.4	21,402.6	21,532.5	0.6
Canada	2,283.2	2,310.0	2,353.5	2,438.7	2,452.0	0.5
United States	19,180.5	18,949.2	18,513.4	18,961.3	19,078.0	0.6
Others	2.6	2.5	2.5	2.5	2.5	0.2
Latin America	8,545.6	8,807.4	9,000.3	9,184.1	9,335.0	1.6
Argentina	631.4	652.3	669.2	686.3	699.8	2.0
Brazil	2,714.2	2,797.6	2,895.1	3,012.6	3,118.1	3.5
Colombia	277.8	283.3	289.3	295.0	306.3	3.8
Ecuador	241.7	257.9	263.9	269.9	280.6	3.9
Mexico	2,080.4	2,112.4	2,085.7	2,044.4	1,988.7	-2.7
Venezuela	675.1	741.7	786.3	831.1	751.8	-9.5
Others	1,925.0	1,962.2	2,010.9	2,044.7	2,189.8	7.1
Eastern Europe and Eurasia	5,534.3	5,616.1	5,660.7	5,723.1	5,811.5	1.5
Czech Republic	201.4	197.0	194.0	187.8	200.9	6.9
Hungary	149.1	143.3	132.8	134.6	140.8	4.7
Kazakhstan	261.8	271.5	275.5	287.9	294.5	2.3
Poland	564.3	557.3	526.8	511.0	514.0	0.6
Romania	165.6	163.3	166.8	167.3	174.5	4.3
Russia	3,199.3	3,262.2	3,317.7	3,376.6	3,405.1	0.8
Slovakia	83.6	82.0	70.8	71.0	73.0	2.8
Ukraine	281.4	295.2	295.8	273.5	259.3	-5.2
Others	627.9	644.3	680.5	713.3	749.3	5.0
Western Europe	14,012.4	13,605.0	13,190.3	13,091.5	12,890.3	-1.5
France	1,833.4	1,793.2	1,771.9	1,767.4	1,703.9	-3.6
Germany	2,467.0	2,392.0	2,389.2	2,434.6	2,377.9	-2.3
Italy	1,544.4	1,493.8	1,370.3	1,315.4	1,248.8	-5.1
Netherlands	1,019.8	1,019.4	1,011.4	991.9	966.6	-2.5
Spain	1,440.9	1,385.5	1,300.9	1,204.9	1,219.3	1.2
United Kingdom	1,620.4	1,577.9	1,528.4	1,506.9	1,504.7	-0.1
Others	4,086.4	3,943.3	3,818.4	3,870.5	3,869.1	-
Middle East	7,369.9	7,583.5	7,865.4	8,046.7	8,291.9	3.0
IR Iran	1,820.4	1,784.3	1,764.7	1,775.8	1,845.6	3.9
Iraq	693.9	751.7	802.8	835.2	815.4	-2.4
Kuwait	358.2	361.0	377.0	379.6	388.2	2.3
Qatar	106.9	122.8	123.3	147.0	165.8	12.8
Saudi Arabia	2,599.5	2,727.1	2,872.7	2,994.0	3,163.4	5.7
Syrian Arab Republic	320.1	313.5	310.1	283.9	278.2	-2.0
United Arab Emirates	591.1	617.9	638.0	665.2	719.5	8.2
Others	879.9	905.2	976.8	965.9	915.8	-5.2
Africa	3,348.8	3,415.1	3,513.9	3,669.2	3,781.3	3.1
Algeria	343.6	329.5	351.1	376.8	389.5	3.4
Angola	94.9	104.6	118.7	128.1	138.8	8.3
Egypt	716.4	751.1	780.5	799.0	826.1	3.4
Libya	301.1	231.3	236.0	250.0	245.2	-1.9
Nigeria	270.6	311.4	343.6	384.9	396.1	2.9
South Africa	526.7	566.8	569.4	571.2	578.1	1.2
Tunisia	86.8	87.4	89.5	89.7	94.5	5.3
Others	1,008.7	1,033.0	1,025.1	1,069.3	1,113.2	4.1
Asia and Pacific	27,059.8	27,908.6	28,914.3	29,248.4	29,681.0	1.5
Australia	1,005.4	1,048.4	1,073.1	1,082.3	1,082.1	-
China	8,951.2	9,409.9	9,739.0	10,067.8	10,464.8	3.9
India	3,305.9	3,432.6	3,649.4	3,698.3	3,786.3	2.4
Indonesia	1,332.5	1,395.6	1,430.7	1,464.9	1,505.2	2.7
Japan	4,429.2	4,443.1	4,705.2	4,521.1	4,315.4	-4.6
New Zealand	153.0	155.2	152.5	153.5	156.2	1.8
South Korea	2,268.6	2,259.3	2,321.8	2,324.0	2,350.3	1.1
Thailand	955.8	966.6	1,018.9	1,045.2	1,060.9	1.5
Others	4,658.0	4,797.8	4,823.8	4,891.2	4,959.8	1.4
Total world	87,337.1	88,197.4	89,014.4	90,365.5	91,323.5	1.1
<i>of which</i>						
OPEC	8,096.9	8,341.2	8,678.2	9,037.8	9,299.8	2.9
<i>OPEC percentage</i>	<i>9.3</i>	<i>9.5</i>	<i>9.7</i>	<i>10.0</i>	<i>10.2</i>	
OECD	46,964.5	46,418.5	45,927.2	46,094.9	45,820.3	-0.6
FSU	4,213.9	4,318.4	4,409.9	4,490.0	4,540.9	1.1

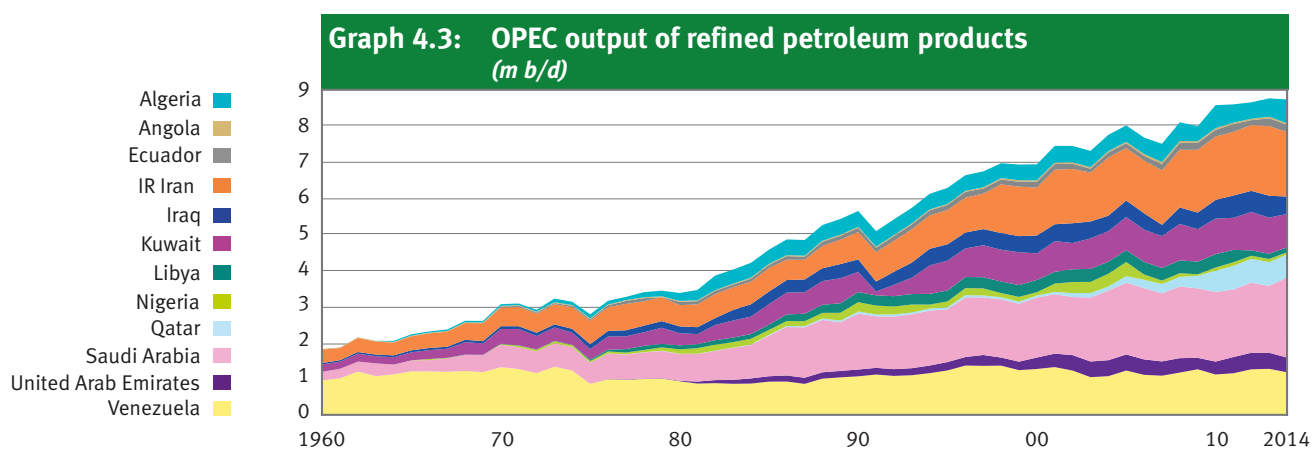
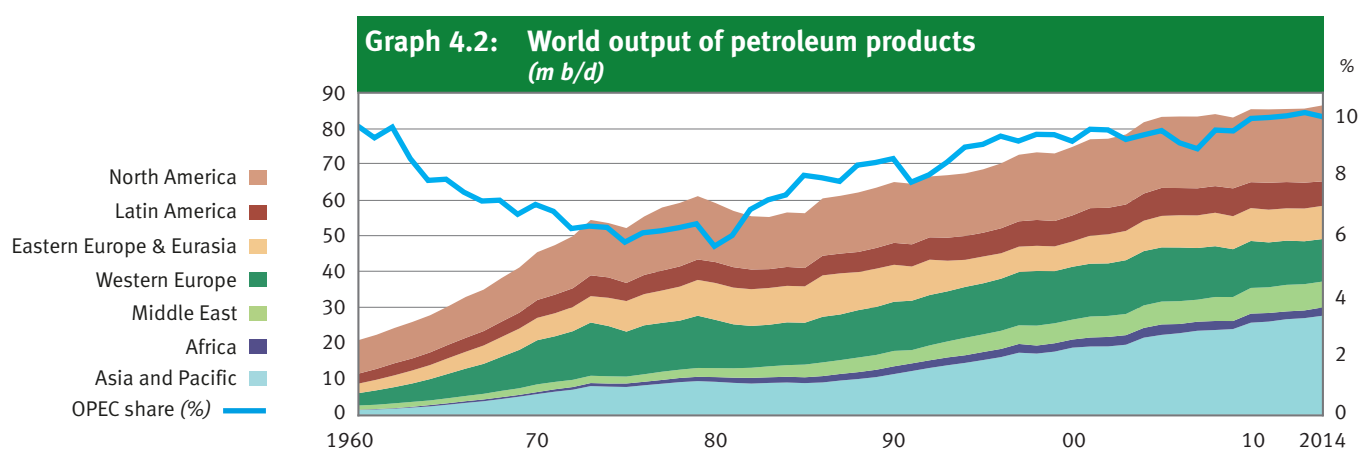
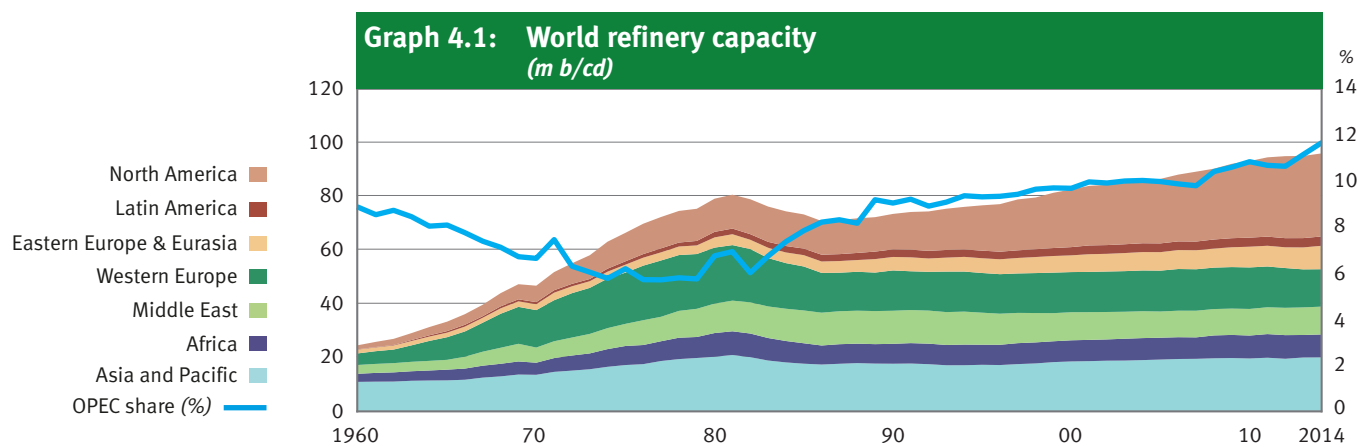


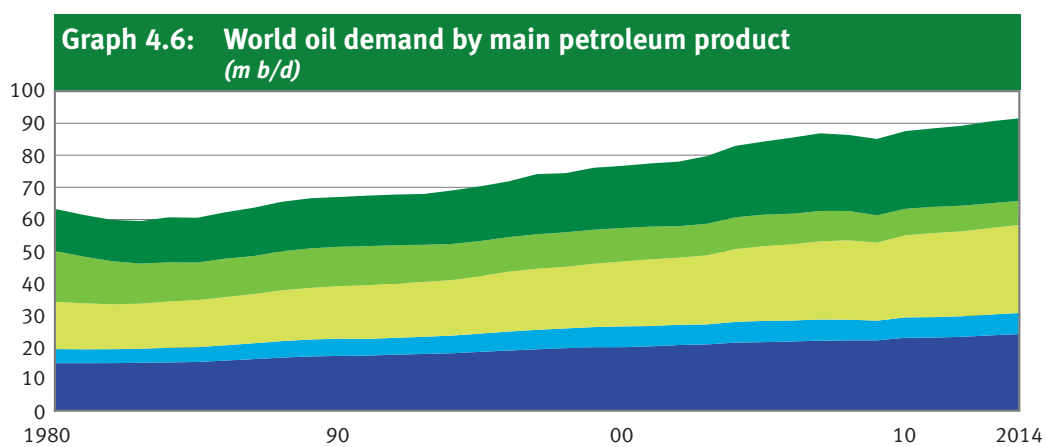
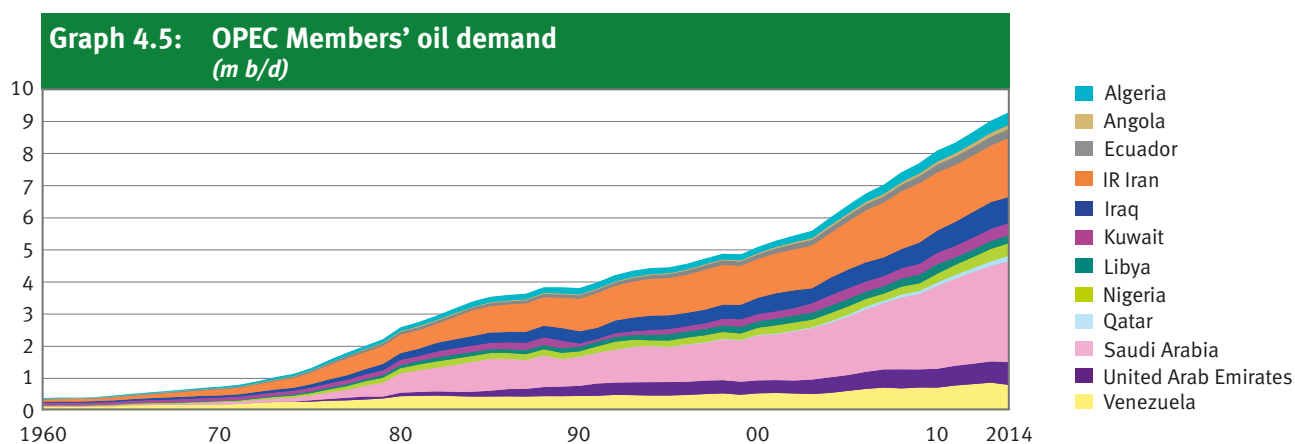
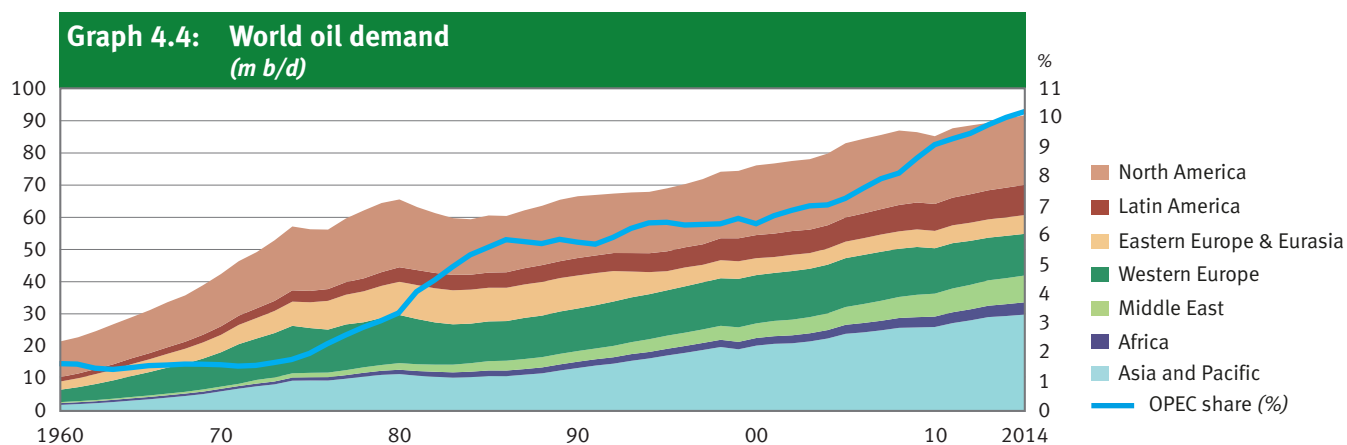
Table 4.9**Oil data: downstream**

World oil demand by main petroleum product and region (1,000 b/d)

	2010	2011	2012	2013	2014	% change 14/13
North America	21,466.4	21,261.7	20,869.4	21,402.6	21,532.5	0.6
Gasoline	9,990.8	9,787.6	9,570.6	9,763.3	9,864.7	1.0
Kerosene	1,553.8	1,541.6	1,508.2	1,550.4	1,583.7	2.2
Distillates	4,409.2	4,505.8	4,346.8	4,460.9	4,651.3	4.3
Residuals	673.1	563.6	482.6	427.3	373.9	-12.5
Others	4,839.4	4,863.1	4,961.1	5,200.7	5,059.0	-2.7
Latin America	8,545.6	8,807.4	9,000.3	9,184.1	9,335.0	1.6
Gasoline	1,979.7	2,068.1	2,211.1	2,257.1	2,308.5	2.3
Kerosene	335.8	344.7	369.7	378.0	388.0	2.6
Distillates	2,359.9	2,446.0	2,536.7	2,639.7	2,745.1	4.0
Residuals	966.4	1,002.3	1,009.9	1,017.0	1,025.0	0.8
Others	2,903.9	2,946.3	2,872.8	2,892.4	2,868.5	-0.8
Eastern Europe and Eurasia	5,534.3	5,616.1	5,660.7	5,723.1	5,811.5	1.5
Gasoline	1,391.0	1,387.2	1,410.4	1,429.6	1,448.0	1.3
Kerosene	335.3	359.1	362.9	365.7	368.8	0.8
Distillates	1,644.0	1,746.6	1,677.6	1,707.6	1,735.6	1.6
Residuals	413.8	507.0	481.8	492.7	509.7	3.5
Others	1,750.1	1,616.3	1,728.0	1,727.5	1,749.4	1.3
Western Europe	14,012.4	13,605.0	13,190.3	13,091.5	12,890.3	-1.5
Gasoline	2,019.9	1,960.4	1,848.3	1,795.8	1,769.1	-1.5
Kerosene	1,224.3	1,234.6	1,212.8	1,219.8	1,235.8	1.3
Distillates	5,783.1	5,609.2	5,543.1	5,580.3	5,528.2	-0.9
Residuals	1,365.7	1,288.7	1,178.5	1,068.9	986.0	-7.8
Others	3,619.3	3,512.1	3,407.7	3,426.6	3,371.2	-1.6
Middle East	7,369.9	7,583.5	7,865.4	8,046.7	8,291.9	3.0
Gasoline	1,364.3	1,417.2	1,501.5	1,524.0	1,548.0	1.6
Kerosene	449.5	458.0	459.0	474.8	491.8	3.6
Distillates	2,016.5	2,111.5	2,249.0	2,267.4	2,287.4	0.9
Residuals	1,361.3	1,404.0	1,467.5	1,471.5	1,476.5	0.3
Others	2,178.2	2,192.8	2,188.4	2,308.9	2,488.2	7.8
Africa	3,348.8	3,415.1	3,513.9	3,669.2	3,781.3	3.1
Gasoline	851.9	868.5	923.7	945.5	970.5	2.6
Kerosene	296.1	290.7	309.1	313.4	319.4	1.9
Distillates	1,301.7	1,307.8	1,369.4	1,425.3	1,476.3	3.6
Residuals	470.8	438.7	478.4	492.3	504.3	2.4
Others	428.2	509.4	433.3	492.8	510.9	3.7

World oil demand by main petroleum product and region (1,000 b/d)

	2010	2011	2012	2013	2014	% change 14/13
Asia and Pacific	27,059.8	27,908.6	28,914.3	29,248.4	29,681.0	1.5
Gasoline	4,659.3	4,798.9	5,057.7	5,242.1	5,434.5	3.7
Kerosene	2,293.3	2,309.4	2,327.1	2,332.8	2,330.6	-0.1
Distillates	7,843.6	8,228.5	8,474.7	8,591.8	8,708.1	1.4
Residuals	3,372.1	3,324.4	3,264.1	3,105.6	2,975.6	-4.2
Others	8,891.5	9,247.4	9,790.7	9,976.2	10,232.1	2.6
Total world	87,337.1	88,197.4	89,014.4	90,365.5	91,323.5	1.1
Gasoline	22,257.0	22,287.8	22,523.2	22,957.4	23,343.3	1.7
Kerosene	6,488.2	6,538.1	6,548.8	6,634.7	6,718.0	1.3
Distillates	25,358.0	25,955.4	26,197.3	26,673.0	27,132.0	1.7
Residuals	8,623.3	8,528.6	8,362.9	8,075.3	7,851.0	-2.8
Others	24,610.7	24,887.4	25,382.1	26,025.1	26,279.2	1.0
<i>of which</i>						
OPEC	8096.9	8341.2	8678.2	9037.8	9299.8	2.9
Gasoline	1802.4	1843.7	2004.1	2094.2	2169.5	3.6
Kerosene	535.3	516.2	492.7	520.8	572.2	9.9
Distillates	2110.7	2190.7	2332.1	2459.4	2384.5	-3.0
Residuals	1402.1	1451.7	1413.6	1465.4	1524.5	4.0
Others	2246.3	2338.8	2435.7	2498.1	2649.1	6.0
OECD	46964.5	46418.5	45927.2	46094.9	45820.3	-0.6
Gasoline	14658.1	14361.9	14040.5	14126.6	14156.7	0.2
Kerosene	3763.6	3748.7	3687.3	3738.9	3781.5	1.1
Distillates	12877.1	12834.0	12640.3	12787.8	12921.4	1.0
Residuals	3030.6	2892.5	2752.9	2426.5	2129.7	-12.2
Others	12635.0	12581.4	12806.2	13015.0	12831.0	-1.4
FSU	4213.9	4318.4	4409.9	4490.0	4540.9	1.1
Gasoline	1115.2	1126.0	1160.0	1178.8	1192.8	1.2
Kerosene	297.7	321.2	328.2	331.0	334.0	0.9
Distillates	973.5	1056.9	1005.2	1031.1	1051.1	1.9
Residuals	329.4	432.4	415.3	431.1	417.1	-3.2
Others	1498.1	1381.9	1501.1	1518.1	1546.0	1.8





SECTION 5

Oil trade

Table 5.1**Oil trade**

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

	Destination	2010	2011	2012	2013	2014
Algeria		709	843	809	744	623
	Europe	155	388	424	522	518
	North America	412	338	263	101	45
	Asia and Pacific	138	112	92	82	42
	Latin America	4	6	29	39	18
	Africa	–	–	–	–	–
	Middle East	–	–	–	–	–
Angola		1,711	1,546	1,663	1,669	1,608
	Europe	546	220	201	313	341
	North America	886	401	237	159	132
	Asia and Pacific	279	864	1,103	1,103	1,011
	Latin America	–	19	47	50	62
	Africa	–	42	76	44	62
	Middle East	–	–	–	–	–
Ecuador		340	334	358	388	422
	Europe	–	–	–	5	1
	North America	170	207	229	256	249
	Asia and Pacific	24	11	21	20	16
	Latin America	144	116	108	107	147
	Africa	–	–	–	–	10
	Middle East	2	–	–	–	–
IR Iran		2,248	2,537	2,102	1,215	1,109
	Europe	764	780	162	128	117
	North America	–	–	–	–	–
	Asia and Pacific	1,367	1,630	1,839	1,085	992
	Latin America	–	–	–	–	–
	Africa	117	127	101	2	–
	Middle East	–	–	–	–	–
Iraq		1,890	2,166	2,423	2,390	2,516
	Europe	438	474	547	535	625
	North America	492	456	559	433	412
	Asia and Pacific	950	1,125	1,205	1,413	1,466
	Latin America	–	103	105	–	13
	Africa	–	–	–	–	–
	Middle East	10	8	7	10	–
Kuwait		1,430	1,816	2,070	2,058	1,995
	Europe	61	79	99	84	106
	North America	127	195	220	320	277
	Asia and Pacific	1,199	1,500	1,699	1,613	1,551
	Latin America	–	–	–	–	3
	Africa	42	42	52	41	58
	Middle East	–	–	–	–	–
Libya		1,118	300	962	589	41
	Europe	788	220	717	534	37
	North America	47	–	28	5	–
	Asia and Pacific	239	46	212	45	3
	Latin America	29	–	4	2	–
	Africa	15	33	2	4	–
	Middle East	–	–	–	–	–

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

	Destination	2010	2011	2012	2013	2014
Nigeria		2,464	2,377	2,368	2,193	2,120
	Europe	747	744	744	965	969
	North America	1,623	1,233	1,224	395	74
	Asia and Pacific	93	91	91	373	558
	Latin America	–	206	206	263	248
	Africa	–	103	103	197	271
	Middle East	–	–	–	–	–
Qatar		587	588	588	599	595
	Europe	–	–	–	–	–
	North America	10	–	–	–	–
	Asia and Pacific	577	571	588	599	595
	Latin America	–	2	–	–	–
	Africa	–	14	–	–	–
	Middle East	–	1	–	–	–
Saudi Arabia		6,644	7,218	7,557	7,571	7,153
	Europe	658	890	991	952	952
	North America	1,212	1,313	1,423	1,459	1,251
	Asia and Pacific	4,265	4,487	4,577	4,586	4,417
	Latin America	67	75	68	80	69
	Africa	148	169	216	222	191
	Middle East	294	284	281	272	273
United Arab Emirates		2,104	2,457	2,445	2,701	2,497
	Europe	3	17	2	6	10
	North America	40	66	–	2	13
	Asia and Pacific	2,011	2,324	2,403	2,662	2,447
	Latin America	–	–	–	–	–
	Africa	49	50	38	31	22
	Middle East	1	–	2	–	4
Venezuela		1,562	1,553	1,725	1,528	1,965
	Europe	114	87	69	42	109
	North America	823	419	479	329	694
	Asia and Pacific	226	323	555	627	569
	Latin America	399	724	622	531	592
	Africa	–	–	–	–	–
	Middle East	–	–	–	–	–
OPEC		22,806	23,734	25,070	23,647	22,644
	Europe	4,274	3,899	3,955	4,086	3,784
	North America	5,841	4,629	4,662	3,460	3,148
	Asia and Pacific	11,370	13,084	14,385	14,208	13,667
	Latin America	643	1,250	1,190	1,071	1,153
	Africa	371	579	588	540	614
	Middle East	307	293	290	282	278

Notes:

Data may include lease condensates and changes in the quantity of oil in transit.

Table 5.2

Oil trade

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

	Destination	2010	2011	2012	2013	2014
Algeria		315	492	449	453	583
	Europe	119	205	189	196	246
	North America	105	129	106	81	115
	Asia and Pacific	6	12	25	59	90
	Latin America	83	92	75	54	70
	Africa	–	55	53	61	61
	Middle East	1	–	1	1	1
Angola		31	31	30	32	31
	Europe	7	9	12	6	7
	North America	10	10	11	13	13
	Asia and Pacific	7	–	4	11	10
	Latin America	6	8	2	1	–
	Africa	1	3	1	1	1
	Middle East	–	–	–	–	–
Ecuador		28	29	27	20	8
	Europe	–	–	–	–	–
	North America	3	29	6	3	1
	Asia and Pacific	–	–	–	–	–
	Latin America	25	–	21	16	7
	Africa	–	–	–	–	–
	Middle East	–	–	–	–	–
IR Iran		368	441	456	394	470
	Europe	–	–	–	–	–
	North America	–	–	–	–	–
	Asia and Pacific	367	441	456	394	469
	Latin America	–	–	–	–	–
	Africa	–	–	–	–	1
	Middle East	–	–	–	–	–
Iraq		5	1	2	12	9
	Europe	–	–	–	–	–
	North America	–	–	–	–	–
	Asia and Pacific	–	–	–	–	–
	Latin America	–	–	–	–	–
	Africa	–	–	–	–	–
	Middle East	5	1	2	12	9
Kuwait		773	759	804	805	751
	Europe	255	185	84	125	296
	North America	8	7	14	33	7
	Asia and Pacific	510	566	706	647	447
	Latin America	–	–	–	–	–
	Africa	–	–	–	–	–
	Middle East	–	–	–	–	–
Libya		50	21	39	76	15
	Europe	41	17	38	57	11
	North America	2	2	1	–	–
	Asia and Pacific	–	–	–	9	2
	Latin America	2	–	–	3	1
	Africa	5	2	–	1	–
	Middle East	–	–	1	4	1

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

	Destination	2010	2011	2012	2013	2014
Nigeria		23	24	8	23	49
	Europe	23	24	8	–	–
	North America	–	–	1	–	31
	Asia and Pacific	–	–	–	–	18
	Latin America	–	–	–	23	–
	Africa	–	–	–	–	–
	Middle East	–	–	–	–	–
Qatar		322	510	466	511	522
	Europe	–	27	–	–	–
	North America	–	–	–	–	–
	Asia and Pacific	322	428	466	511	522
	Latin America	–	2	–	–	–
	Africa	–	5	–	–	–
	Middle East	–	48	–	–	–
Saudi Arabia		951	902	862	794	988
	Europe	71	117	111	76	113
	North America	15	5	2	–	13
	Asia and Pacific	552	497	491	500	549
	Latin America	15	26	12	8	13
	Africa	93	98	95	92	114
	Middle East	205	160	151	118	186
United Arab Emirates		337	604	654	803	760
	Europe	62	89	86	80	75
	North America	4	1	6	8	5
	Asia and Pacific	249	453	523	649	626
	Latin America	2	10	–	–	–
	Africa	5	17	16	24	33
	Middle East	15	34	24	42	20
Venezuela		760	786	674	713	312
	Europe	379	35	48	43	7
	North America	122	428	336	402	58
	Asia and Pacific	171	3	–	15	–
	Latin America	76	312	270	246	243
	Africa	12	8	21	7	5
	Middle East	–	–	–	–	–
OPEC		3,962	4,601	4,473	4,636	4,498
	Europe	957	709	574	584	755
	North America	269	611	482	541	243
	Asia and Pacific	2,184	2,400	2,671	2,796	2,734
	Latin America	210	450	381	353	333
	Africa	117	187	186	186	216
	Middle East	226	244	179	177	217

Notes:

Data may include lease condensates and changes in the quantity of oil in transit.

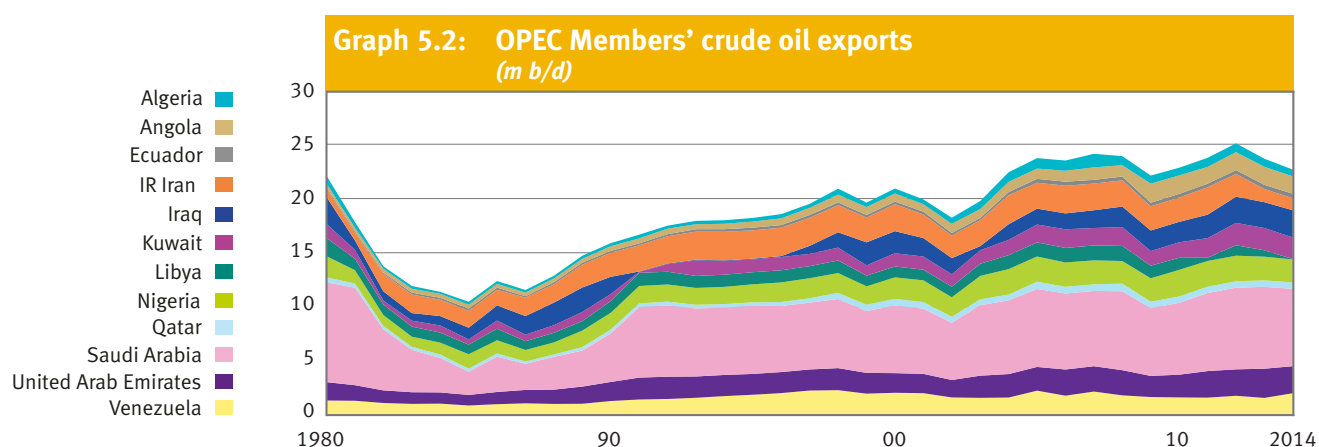
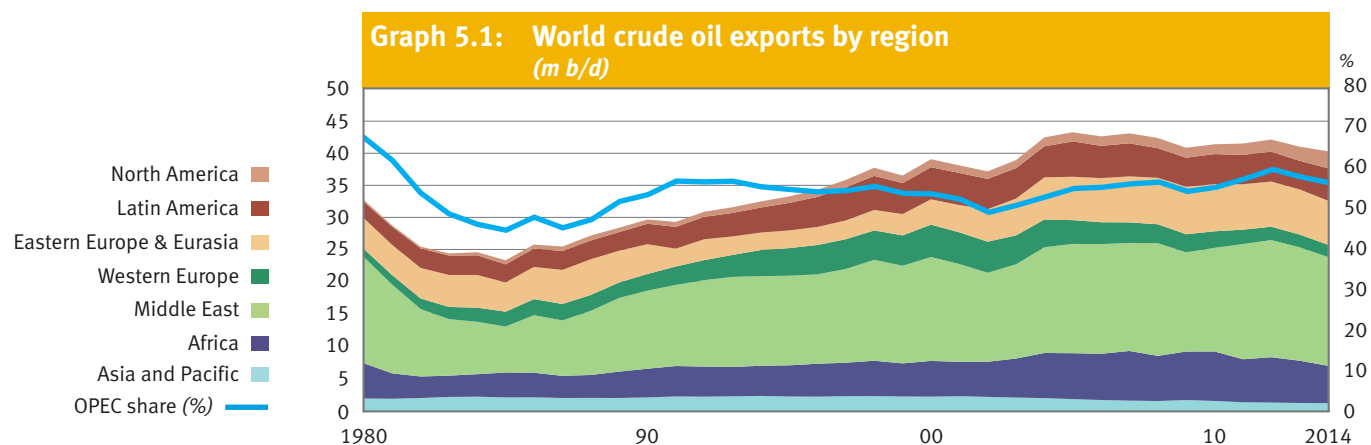
Table 5.3**Oil trade**

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

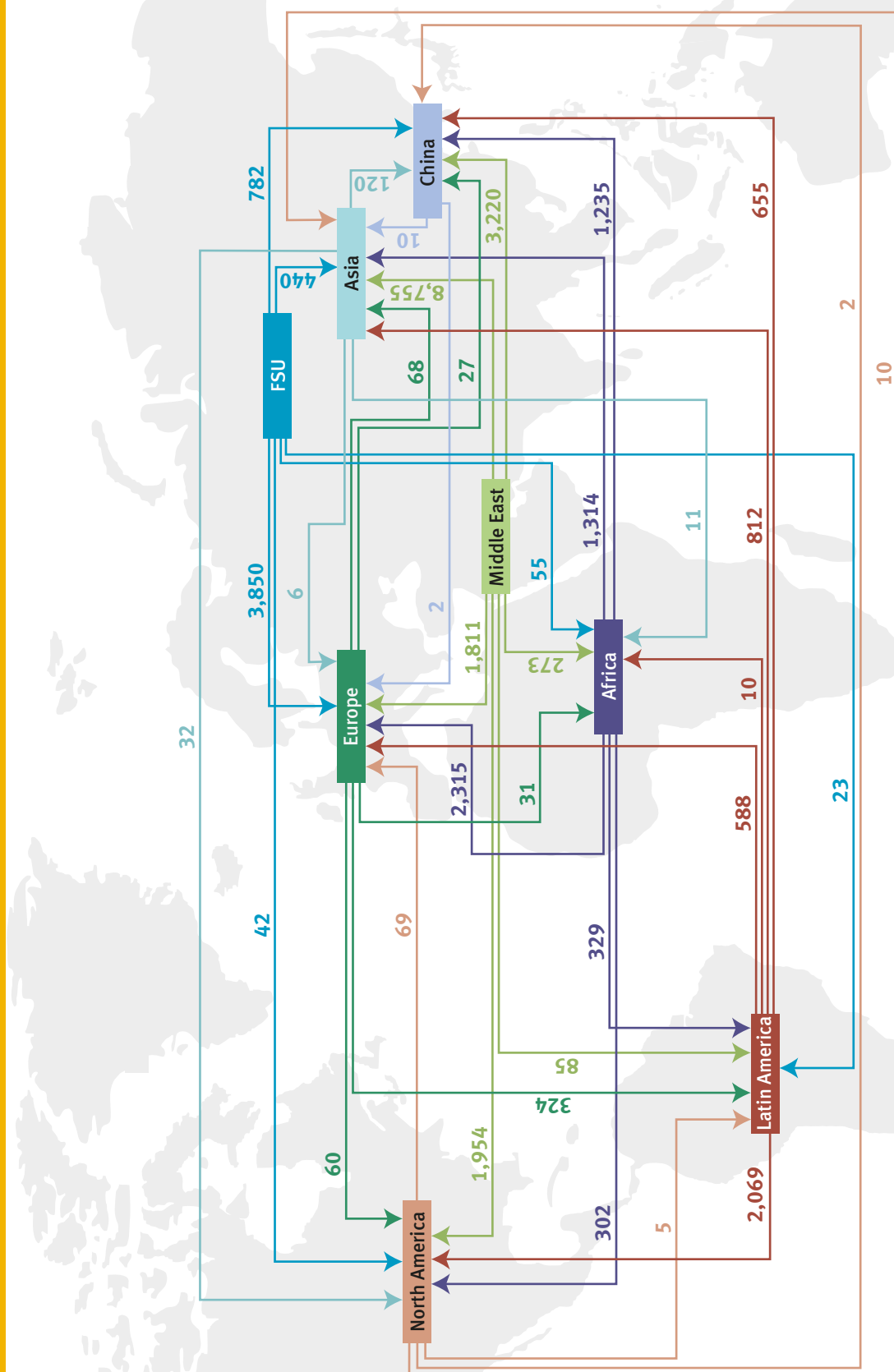
	2010	2011	2012	2013	2014	% change 14/13
North America	1,520	1,745	1,872	2,181	2,611	19.7
Canada	1,478	1,698	1,804	2,058	2,266	10.1
United States	42	47	68	123	345	179.8
Latin America	4,624	4,531	4,605	4,409	5,001	13.4
Columbia	484	561	555	703	765	8.7
Ecuador	340	334	358	388	422	8.8
Mexico	1,460	1,421	1,336	1,272	1,220	-4.0
Trinidad & Tobago	75	40	31	38	31	-18.3
Venezuela	1,562	1,553	1,725	1,528	1,965	28.6
Others	703	623	601	480	598	24.5
Eastern Europe	7,273	7,011	6,968	6,964	6,798	-2.4
Russia	4,978	4,786	4,757	4,710	4,487	-4.7
Others	2,295	2,225	2,211	2,254	2,311	2.5
Western Europe	2,555	2,222	2,062	1,968	1,885	-4.2
Norway	1,602	1,455	1,318	1,199	1,203	0.4
United Kingdom	747	571	578	613	563	-8.2
Others	206	196	167	156	119	-23.5
Middle East	15,988	17,772	18,077	17,497	16,793	-4.0
IR Iran	2,248	2,537	2,102	1,215	1,109	-8.7
Iraq	1,890	2,166	2,423	2,390	2,516	5.2
Kuwait	1,430	1,816	2,070	2,058	1,995	-3.1
Oman	749	742	768	838	805	-4.0
Qatar	587	588	588	599	595	-0.5
Saudi Arabia	6,644	7,218	7,557	7,571	7,153	-5.5
United Arab Emirates	2,104	2,457	2,445	2,701	2,497	-7.6
Others	336	248	123	124	123	-0.5
Africa	7,635	6,635	6,997	6,526	5,774	-11.5
Algeria	709	843	809	744	623	-16.3
Angola	1,711	1,546	1,663	1,669	1,608	-3.7
Congo	288	264	252	241	261	8.4
Egypt	85	83	91	97	117	21.2
Gabon	225	235	227	211	225	6.7
Libya	1,118	300	962	589	41	-93.0
Nigeria	2,464	2,377	2,368	2,193	2,120	-3.3
Sudans	389	363	60	133	148	11.6
Others	647	625	565	649	630	-2.9
Asia and Pacific	1,565	1,364	1,313	1,251	1,221	-2.4
Australia	314	299	263	237	261	9.9
Brunei	162	154	139	115	108	-5.7
China	61	50	49	32	12	-62.3
Indonesia	356	302	300	317	257	-19.0
Malaysia	370	280	268	263	282	7.1
Vietnam	161	165	185	170	173	1.8
Others	141	113	109	117	128	9.5
Total world	41,159	41,282	41,894	40,796	40,084	-1.7
<i>of which</i>						
OPEC	22,806	23,734	25,070	23,647	22,644	-4.2
<i>OPEC percentage</i>	<i>55.4</i>	<i>57.5</i>	<i>59.8</i>	<i>58.0</i>	<i>56.5</i>	
OECD	5,901	5,739	5,572	5,701	6,022	5.6
FSU	7,257	6,991	6,944	6,928	6,760	-2.4

Notes:

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



Graph 5.3: World interregional trade of crude oil, 2014
(1,000 b/d)



Notes:
Excluding intraregional trade.

Table 5.4

Oil trade

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

	2010	2011	2012	2013	2014	% change 14/13
North America	2,739	3,335	3,616	4,007	4,303	7.4
Canada	427	396	479	520	469	-9.7
United States	2,311	2,939	3,137	3,487	3,834	10.0
Others	1	—	—	—	—	—
Latin America	1,964	1,896	1,521	1,626	1,158	-28.8
Brazil	158	138	121	150	133	-11.4
Ecuador	28	29	27	20	8	-60.7
Mexico	190	180	149	171	191	11.6
Netherland Antilles	77	157	163	156	139	-11.1
Trinidad & Tobago	107	116	69	91	64	-29.3
Venezuela	760	786	674	713	312	-56.2
Others	643	491	317	325	310	-4.4
Eastern Europe and Eurasia	3,344	3,144	3,228	3,392	3,450	1.7
Romania	75	79	71	76	97	28.0
Russia	2,230	1,923	1,986	2,121	2,183	2.9
Others	1,038	1,142	1,171	1,194	1,169	-2.1
Western Europe	6,224	6,291	6,631	6,525	6,426	-1.5
Belgium	441	470	491	524	518	-1.3
France	482	480	432	412	419	1.7
Germany	375	378	391	422	413	-2.1
Italy	601	547	589	501	421	-15.9
Netherlands	2,137	2,100	2,171	2,093	2,129	1.8
United Kingdom	560	592	578	558	454	-18.7
Others	1,627	1,724	1,979	2,016	2,072	2.8
Middle East	3,162	3,668	3,647	3,683	3,874	5.2
Bahrain	223	241	245	248	248	0.2
IR Iran	368	441	456	394	470	19.3
Iraq	5	1	2	12	9	-19.2
Kuwait	773	759	804	805	751	-6.7
Qatar	322	510	466	511	522	2.2
Saudi Arabia	951	902	862	794	988	24.4
United Arab Emirates	337	604	654	803	760	-5.4
Others	184	209	158	116	126	8.5
Africa	669	777	743	779	875	12.4
Algeria	315	492	449	453	583	28.6
Angola	31	31	30	32	31	-3.8
Egypt	90	61	51	42	40	-3.6
Gabon	8	6	6	3	7	122.6
Libya	50	21	39	76	15	-80.4
Nigeria	23	24	8	23	49	113.5
Others	152	142	159	150	150	0.3
Asia and Pacific	5,745	6,022	5,887	6,202	6,167	-0.6
Australia	72	71	82	57	54	-5.9
China	623	625	580	625	589	-5.8
Indonesia	101	94	79	76	57	-24.6
Japan	351	313	258	342	334	-2.2
Malaysia	304	308	316	409	427	4.5
Singapore	1,755	1,869	1,679	1,741	1,772	1.8
Others	2,539	2,742	2,894	2,952	2,933	-0.6
Total world	23,845	25,133	25,274	26,213	26,253	0.2
<i>of which</i>						
OPEC	3,962	4,601	4,473	4,636	4,498	-3.0
<i>OPEC percentage</i>	<i>16.6</i>	<i>18.3</i>	<i>17.7</i>	<i>17.7</i>	<i>17.1</i>	
OECD	10,696	11,546	12,218	12,595	12,803	1.6
FSU	2,972	2,732	2,779	2,903	2,978	2.6

Notes:

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

Graph 5.4: OPEC Members' petroleum products exports by destination, 2014
(1,000 b/d)

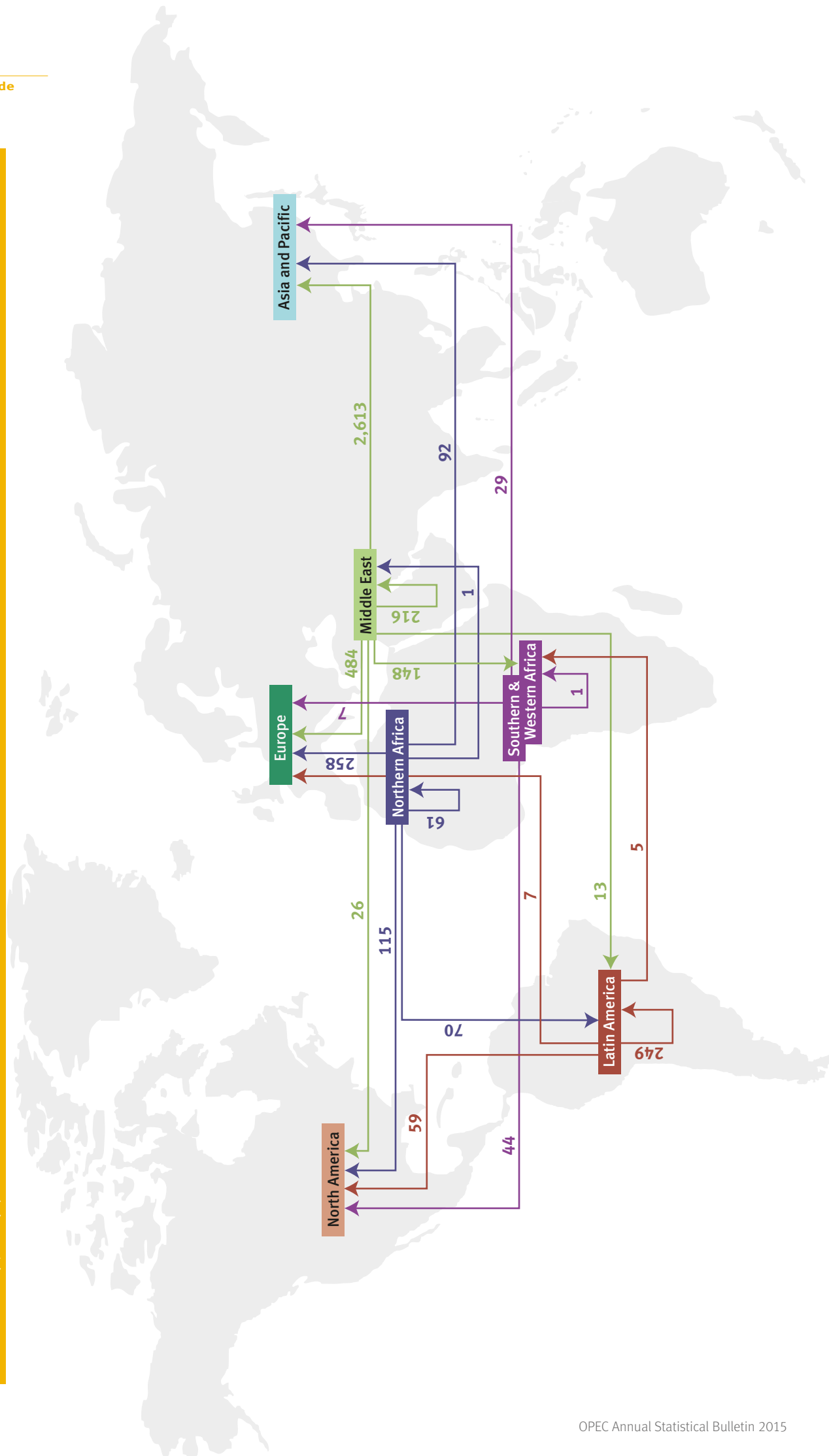


Table 5.5

Oil trade

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

	2010	2011	2012	2013	2014	% change 14/13
North America	4,258	5,081	5,488	6,188	6,914	11.7
Canada	1,905	2,095	2,283	2,578	2,735	6.1
United States	2,353	2,986	3,205	3,610	4,179	15.8
Others	1	—	—	—	—	—
Latin America	6,588	6,427	6,126	6,035	6,159	2.0
Brazil	763	671	630	539	650	20.5
Colombia	577	662	652	800	863	7.8
Ecuador	368	363	385	408	430	5.5
Mexico	1,650	1,601	1,485	1,443	1,411	-2.2
Netherlands Antilles	77	157	163	156	139	-11.1
Trinidad & Tobago	182	155	99	129	95	-26.0
Venezuela	2,322	2,340	2,399	2,241	2,277	1.6
Others	649	479	312	319	293	-8.1
Eastern Europe	10,616	10,156	10,196	10,356	10,248	-1.0
Romania	77	81	72	77	98	28.3
Russia	7,208	6,709	6,743	6,831	6,670	-2.4
Others	3,331	3,366	3,381	3,448	3,480	0.9
Western Europe	8,778	8,512	8,693	8,493	8,311	-2.1
Belgium	441	470	491	524	518	-1.3
France	482	489	435	413	419	1.3
Germany	390	385	394	422	413	-2.1
Italy	608	556	607	511	428	-16.3
Netherlands	2,147	2,108	2,182	2,104	2,143	1.8
Norway	1,949	1,853	1,695	1,559	1,515	-2.8
United Kingdom	1,307	1,163	1,156	1,172	1,017	-13.2
Others	1,454	1,488	1,732	1,787	1,858	4.0
Middle East	19,149	21,441	21,724	21,180	20,667	-2.4
Bahrain	223	241	245	248	248	0.2
IR Iran	2,615	2,979	2,558	1,609	1,579	-1.9
Iraq	1,895	2,167	2,426	2,402	2,525	5.1
Kuwait	2,202	2,575	2,874	2,864	2,746	-4.1
Oman	797	797	813	861	829	-3.8
Qatar	909	1,098	1,054	1,110	1,118	0.7
Saudi Arabia	7,595	8,120	8,419	8,365	8,141	-2.7
United Arab Emirates	2,441	3,061	3,099	3,505	3,257	-7.1
Others	472	403	237	217	225	3.8
Africa	8,304	7,412	7,740	7,305	6,649	-9.0
Angola	1,742	1,577	1,693	1,702	1,639	-3.7
Algeria	1,024	1,335	1,258	1,197	1,205	0.7
Congo	292	268	257	245	265	8.2
Egypt	175	145	142	138	157	13.7
Gabon	233	241	233	214	232	8.4
Libya	1,168	320	1,001	665	56	-91.6
Nigeria	2,487	2,401	2,376	2,216	2,169	-2.1
Sudans	398	373	66	141	156	10.7
Others	786	753	713	786	768	-2.3
Asia and Pacific	7,309	7,386	7,200	7,453	7,388	-0.9
Australia	386	370	345	294	315	6.9
Brunei	162	155	140	115	108	-5.7
China	684	675	629	657	601	-8.6
Indonesia	457	396	379	394	314	-20.1
Japan	351	313	258	342	334	-2.2
Malaysia	673	588	584	672	709	5.5
Singapore	1,766	1,879	1,685	1,741	1,773	1.8
Vietnam	192	197	220	203	206	1.5
Others	2,638	2,813	2,962	3,036	3,028	-0.3
Total world	65,004	66,415	67,168	67,010	66,337	-1.0
<i>of which</i>						
OPEC	26,768	28,335	29,543	28,283	27,142	-4.0
<i>OPEC percentage</i>	<i>41.2</i>	<i>42.7</i>	<i>44.0</i>	<i>42.2</i>	<i>40.9</i>	
OECD	16,597	17,285	17,791	18,297	18,825	2.9
FSU	10,229	9,723	9,724	9,831	9,738	-0.9

Notes:

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

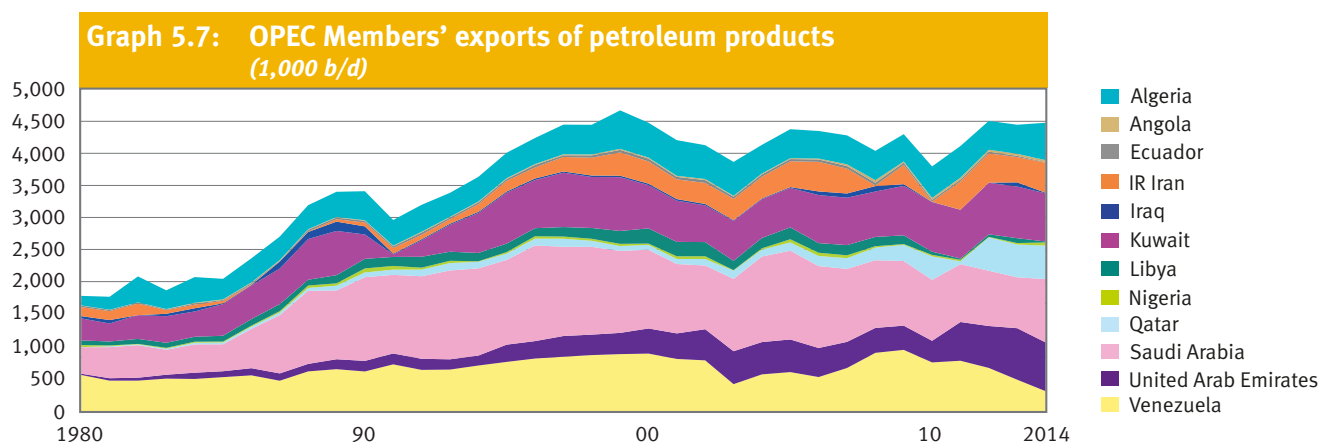
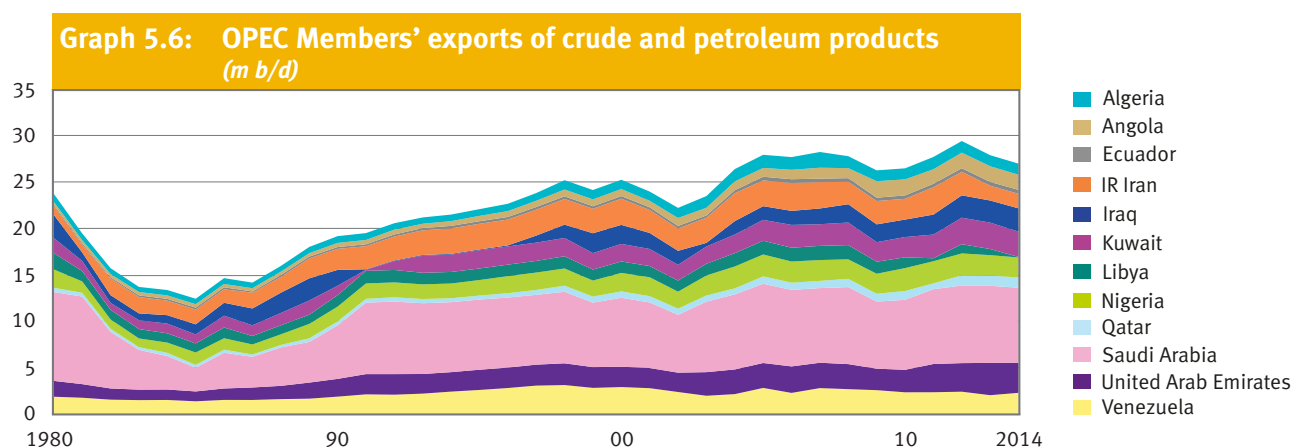
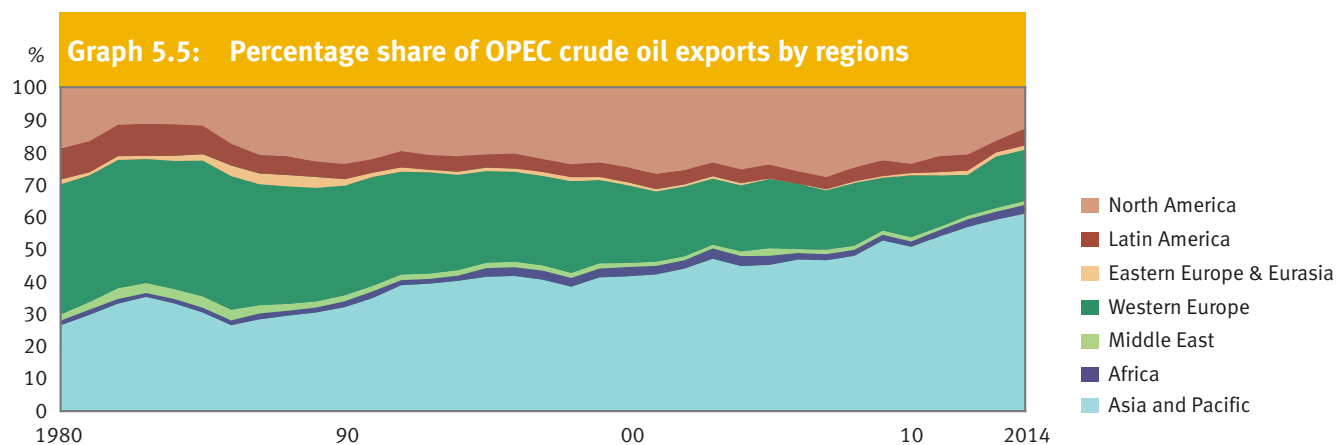


Table 5.6

Oil trade

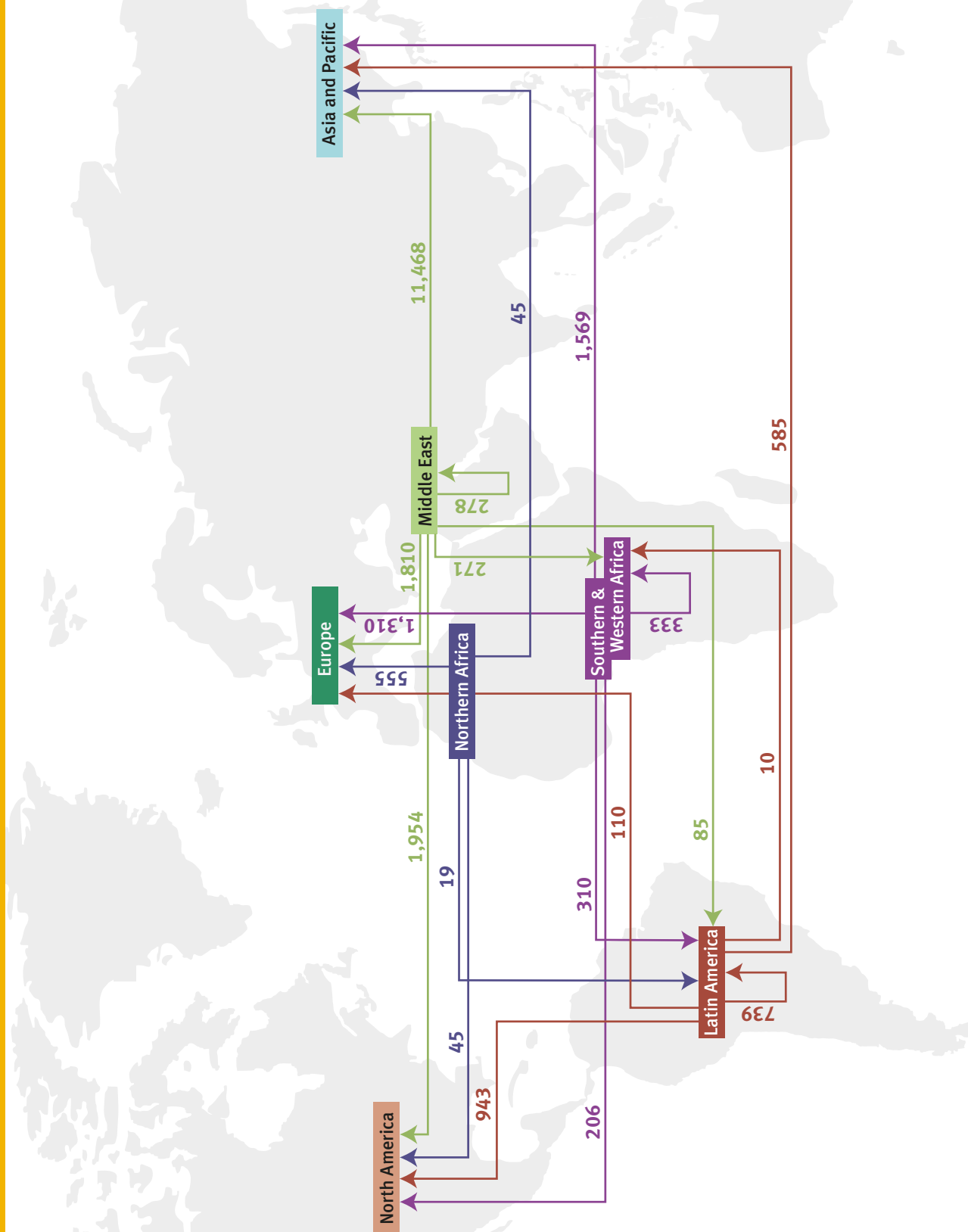
World imports of crude oil by country (1,000 b/d)

	2010	2011	2012	2013	2014	% change 14/13
North America	10,627	10,161	9,271	8,611	7,952	-7.7
Canada	765	672	716	651	564	-13.4
United States	9,862	9,489	8,555	7,960	7,388	-7.2
Latin America	1,381	1,062	1,033	1,067	925	-13.2
Brazil	313	312	313	365	333	-8.6
Chile	160	176	163	180	166	-7.7
Cuba	100	98	98	115	107	-6.4
Netherland Antilles	85	167	173	119	101	-15.2
Trinidad & Tobago	68	83	57	82	48	-40.8
Others	655	226	227	207	169	-18.0
Eastern Europe	1,850	1,846	1,833	1,672	1,634	-2.2
Bulgaria	109	100	118	113	102	-9.6
Czech Republic	156	140	143	132	149	12.5
Hungary	115	117	108	110	122	11.5
Romania	120	112	105	109	138	27.5
Others	1,350	1,377	1,358	1,208	1,123	-7.1
Western Europe	10,625	10,203	10,442	9,878	9,796	-0.8
Belgium	672	603	637	556	656	18.0
France	1,298	1,296	1,147	1,110	1,077	-2.9
Germany	1,883	1,828	1,886	1,826	1,804	-1.2
Greece	406	333	423	392	420	7.2
Italy	1,592	1,458	1,390	1,178	1,087	-7.7
Netherlands	1,037	989	1,006	951	957	0.6
Spain	1,061	1,053	1,187	1,169	1,192	2.0
Sweden	401	380	417	339	378	11.7
Turkey	342	365	393	375	353	-5.8
United Kingdom	965	1,012	1,086	1,013	999	-1.4
Others	968	886	868	970	870	-10.2
Middle East	519	497	517	506	492	-2.7
Bahrain	225	219	220	218	211	-3.1
Others	294	278	297	288	281	-2.4
Africa	805	835	839	753	656	-12.9
Côte d'Ivoire	59	46	68	70	61	-13.0
Kenya	31	35	20	13	11	-12.9
Morocco	109	107	112	103	90	-13.0
Others	605	646	639	567	494	-12.9
Asia and Pacific	17,269	18,077	19,146	19,244	19,442	1.0
Australia	477	506	503	482	439	-8.9
China	4,767	5,089	5,435	5,643	6,186	9.6
India	2,759	3,275	3,560	3,774	3,787	0.3
Indonesia	280	254	265	322	213	-33.8
Japan	3,473	3,399	3,457	3,437	3,237	-5.8
New Zealand	100	104	106	100	100	-0.3
Philippines	184	184	175	151	184	21.9
Singapore	716	717	833	782	785	0.5
South Korea	2,401	2,528	2,590	2,450	2,469	0.8
Taiwan	842	763	850	835	822	-1.5
Thailand	849	830	895	866	805	-7.0
Others	424	428	477	401	413	2.9
Total world	43,076	42,682	43,081	41,731	40,897	-2.0
<i>of which</i>						
OECD	28,553	27,865	27,339	25,919	24,970	-3.7

Notes:

Data may include lease condensates and changes in the quantity of oil in transit.

Graph 5.8: OPEC Members' crude oil exports by destination, 2014
(1,000 b/d)



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

	2010	2011	2012	2013	2014	% change 14/13
North America	2,005	1,905	1,698	1,572	1,606	2.2
Canada	251	308	263	224	249	11.2
United States	1,748	1,597	1,435	1,347	1,356	0.7
Others	6	—	—	—	—	—
Latin America	2,235	2,482	2,521	2,360	2,413	2.3
Brazil	501	656	568	544	610	12.1
Cuba	38	27	25	28	30	4.3
Ecuador	119	104	118	133	157	18.1
Mexico	654	705	698	607	525	-13.5
Netherland Antilles	45	45	45	45	45	0.4
Panama	64	69	73	66	68	2.8
Venezuela	72	68	145	133	158	19.1
Others	742	808	849	804	820	2.0
Eastern Europe and Eurasia	791	917	962	847	882	4.1
Bulgaria	37	34	37	38	41	7.9
Russia	57	86	36	8	25	222.6
Hungary	57	51	47	45	48	5.9
Poland	138	144	118	121	114	-5.8
Others	503	603	724	635	654	2.9
Western Europe	7,433	7,515	7,233	7,152	7,049	-1.4
Belgium	450	473	444	556	491	-11.6
France	839	833	915	889	905	1.7
Germany	757	699	687	807	784	-2.9
Italy	390	366	347	268	255	-5.0
Netherlands	1,766	1,999	1,888	1,857	1,802	-3.0
United Kingdom	677	662	679	604	611	1.2
Others	2,554	2,483	2,272	2,170	2,202	1.5
Middle East	1,064	1,065	1,294	1,264	1,316	4.1
IR Iran	107	30	6	15	40	166.1
Iraq	48	62	103	84	99	17.8
Saudi Arabia	170	197	320	482	465	-3.5
Others	738	775	865	683	712	4.2
Africa	1,494	1,342	1,502	1,380	1,332	-3.4
Algeria	18	43	94	102	55	-45.8
Angola	57	64	92	89	99	11.1
Egypt	183	215	217	168	181	7.7
Morocco	160	162	161	166	163	-1.9
Nigeria	197	177	181	164	156	-5.2
Tunisia	80	70	65	61	59	-3.3
Others	798	611	692	629	619	-1.6
Asia and Pacific	7,864	8,104	8,116	8,386	8,440	0.6
Australia	323	344	386	425	434	2.0
China	997	1,098	1,053	1,093	958	-12.4
Hong Kong	439	393	368	421	388	-8.0
India	390	379	378	372	471	26.5
Japan	1,053	1,142	1,189	1,097	1,076	-1.9
New Zealand	41	41	38	45	49	7.8
Singapore	2,021	2,119	1,916	2,310	2,389	3.4
Others	2,597	2,588	2,788	2,622	2,676	2.1
Total world	22,886	23,331	23,325	22,960	23,038	0.3
<i>of which</i>						
OPEC	1,186	1,094	1,476	1,545	1,568	1.4
<i>OPEC percentage</i>	<i>5.2</i>	<i>4.7</i>	<i>6.3</i>	<i>6.7</i>	<i>6.8</i>	
OECD	12,513	12,693	12,352	12,065	11,871	-1.6
FSU	386	505	553	430	478	11.2

Notes:

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

Table 5.8**Oil trade**

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

	2010	2011	2012	2013	2014	% change 14/13
North America	12,631	12,065	10,969	10,183	9,558	-6.1
Canada	1,016	979	979	875	813	-7.1
United States	11,610	11,086	9,990	9,307	8,744	-6.0
Others	6	-	-	-	-	-
Latin America	3,616	3,545	3,554	3,427	3,339	-2.6
Brazil	813	968	881	909	943	3.8
Chile	316	332	327	343	327	-4.6
Cuba	138	125	123	143	137	-4.2
Ecuador	119	104	118	133	157	18.1
Mexico	654	705	698	607	525	-13.5
Netherland Antilles	130	212	218	164	146	-10.9
Panama	64	69	73	78	71	-8.9
Trinidad & Tobago	71	88	66	87	55	-37.0
Venezuela	81	91	170	145	203	39.8
Others	1,229	849	879	818	774	-5.3
Eastern Europe	2,642	2,765	2,797	2,519	2,516	-0.1
Bulgaria	146	134	155	151	143	-5.2
Czech Republic	213	205	204	203	215	5.7
Hungary	173	170	157	155	170	9.9
Poland	596	624	616	592	592	0.1
Romania	164	159	159	157	188	19.9
Russia	89	86	36	8	25	222.6
Lithuania	196	196	193	197	169	-14.2
Others	1,066	1,191	1,277	1,056	1,013	-4.1
Western Europe	18,058	17,718	17,674	17,030	16,845	-1.1
Belgium	1,123	1,076	1,081	1,112	1,148	3.2
France	2,137	2,129	2,062	1,999	1,982	-0.8
Germany	2,640	2,526	2,574	2,633	2,588	-1.7
Greece	539	461	521	468	488	4.3
Italy	1,982	1,824	1,737	1,447	1,342	-7.2
Netherlands	2,803	2,988	2,894	2,809	2,759	-1.8
Spain	1,621	1,587	1,578	1,456	1,525	4.8
Sweden	588	574	578	491	542	10.2
Turkey	761	774	849	857	844	-1.5
United Kingdom	1,642	1,674	1,765	1,617	1,610	-0.4
Others	2,223	2,103	2,036	2,142	2,017	-5.8

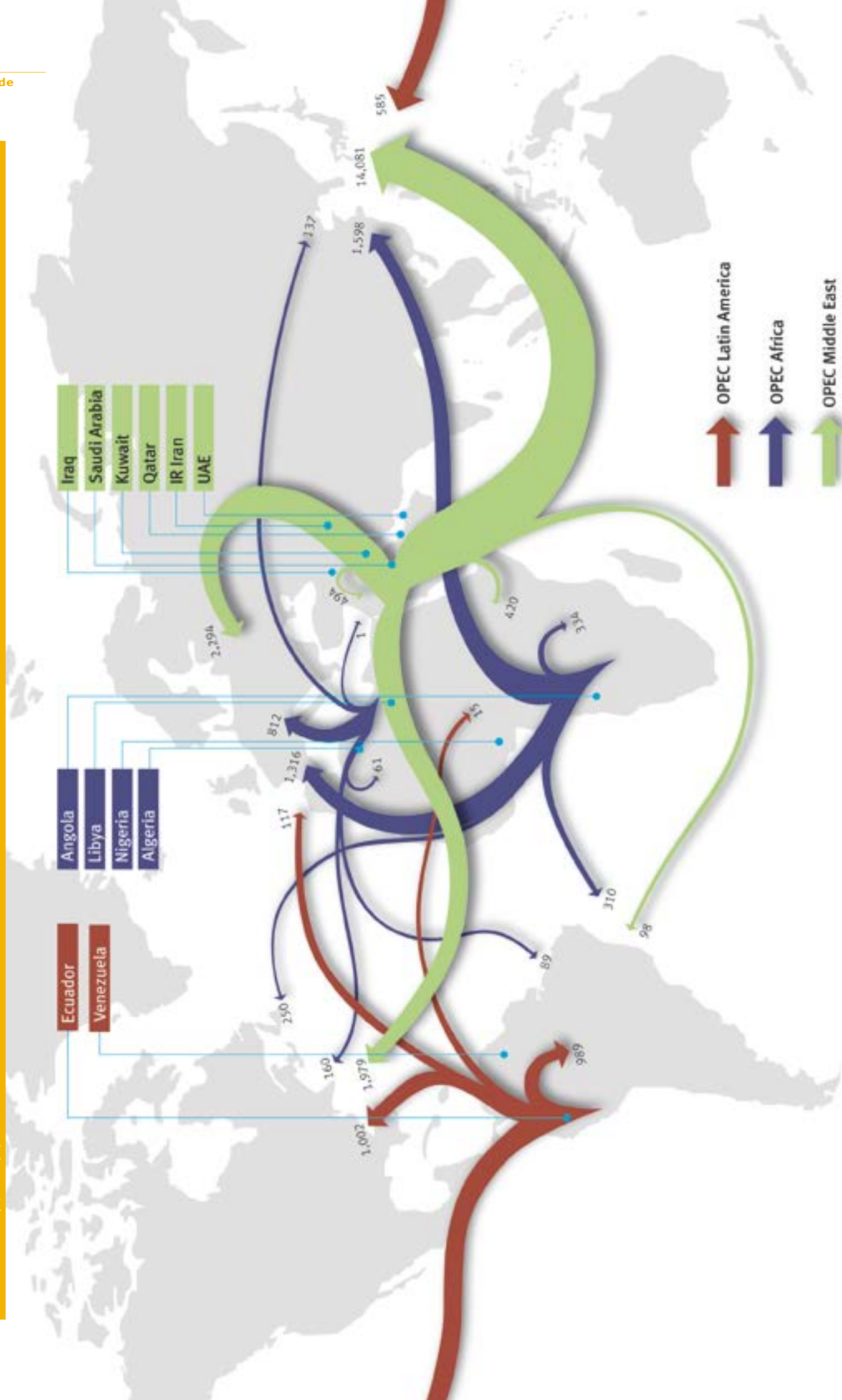
World imports of crude oil and petroleum products by country (1,000 b/d)

	2010	2011	2012	2013	2014	% change 14/13
Middle East	1,583	1,562	1,811	1,770	1,808	2.1
Bahrain	237	231	234	232	225	-3.0
IR Iran	111	34	7	15	40	166.1
Iraq	48	62	103	84	99	17.8
Saudi Arabia	170	197	320	482	465	-3.5
Others	1,017	1,037	1,147	957	979	2.3
Africa	2,299	2,177	2,340	2,133	1,988	-6.8
Angola	57	64	92	89	99	11.1
Algeria	25	47	100	102	55	-45.8
Egypt	235	317	275	225	231	2.5
Côte d'Ivoire	63	49	71	73	64	-12.3
Kenya	87	91	85	72	71	-0.9
Morocco	269	269	273	269	253	-6.1
Nigeria	197	177	181	164	156	-5.2
Tunisia	84	76	88	85	80	-6.0
Others	1,282	1,086	1,174	1,053	979	-7.0
Asia and Pacific	25,133	26,181	27,261	27,631	27,882	0.9
Australia	800	850	889	908	873	-3.8
China	5,764	6,188	6,488	6,736	7,143	6.0
Hong Kong	439	393	368	421	388	-8.0
India	3,149	3,654	3,938	4,147	4,258	2.7
Indonesia	829	862	964	893	820	-8.2
Japan	4,526	4,541	4,646	4,534	4,313	-4.9
New Zealand	141	144	145	146	149	2.2
Philippines	332	310	327	298	328	10.1
Singapore	2,737	2,836	2,749	3,092	3,174	2.7
South Korea	3,194	3,318	3,451	3,350	3,359	0.3
Thailand	903	883	963	918	862	-6.1
Others	2,319	2,203	2,334	2,189	2,215	1.2
Total world	65,962	66,013	66,406	64,691	63,935	-1.2
<i>of which</i>						
OECD	41,065	40,558	39,690	37,984	36,842	-3.0
FSU	1,168	1,278	1,306	1,048	1,023	-2.4
OPEC	1,205	1,125	1,509	1,558	1,612	3.5

Notes:

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

Graph 5.9: OPEC flows of crude and refined oil
(1,000 b/d)





SECTION 6

Oil transportation

Table 6.1**Oil transportation**

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

	2010		2011		2012		2013		2014	
	number	dwt	number	dwt	number	dwt	number	dwt	number	dwt
Algeria	1	160	1	160	1	160	1	160	1	160
Angola	na	na	8	1,186	31	2,363	31	2,363	27	2,498
Ecuador	8	269	10	579	14	957	18	1,231	20	1,457
IR Iran	47	10,994	47	10,994	47	10,994	47	10,994	46	10,982
Iraq	4	53	4	53	4	53	4	50	4	53
Kuwait	16	2,223	16	2,223	21	3,404	19	3,547	26	4,825
Libya	8	627	5	548	5	548	5	548	5	548
Nigeria	2	409	2	409	2	409	2	409	2	409
Qatar	6	528	6	528	6	528	6	528	5	397
Saudi Arabia	35	6,993	32	5,766	20	5,051	23	6,004	23	6,004
United Arab Emirates	13	660	13	660	13	660	13	660	19	1,139
Venezuela	16	1,091	18	1,348	19	1,452	22	2,066	26	2,627
OPEC	156	24,007	162	24,454	182	28,991	191	28,560	204	31,099
Total world	4,167	385,828	4,494	422,849	4,734	453,168	4,912	472,169	5,153	482,975
<i>OPEC percentage</i>		6.2		5.8		6.4		6.0		6.4

Notes:

Figures as at year-end.

Table 6.2

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

		up to 1999		2000–04		2005–09		2010–14		Total	
		no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
GP	16.5–24.9	159	2,697	89	1,596	314	4,935	153	2,660	714	11,888
MR	25.0–44.9	247	9,465	298	11,572	400	16,004	221	9,157	1,166	46,199
LR1	45.0–79.9	135	6,803	208	11,745	597	34,103	364	20,194	1,304	72,846
LR2	80.0–159.9	226	26,406	296	35,988	422	50,274	352	45,393	1,296	158,060
VLCC	160.0–319.9	71	21,153	184	53,036	212	58,560	207	61,233	674	193,982
Total world		838	66,524	1,075	113,938	1,945	163,877	1,297	138,637	5,153	482,975

Notes:

Figures as at year-end. Data is adjusted to take in account different categories of vessels. Data includes clean, dirty and chemical tankers.

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

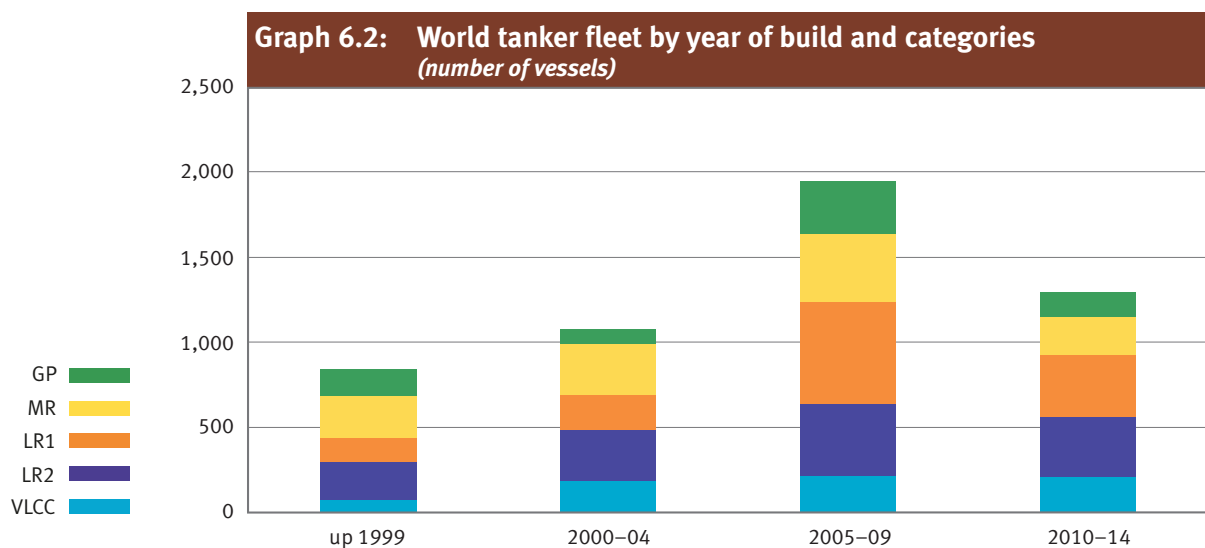
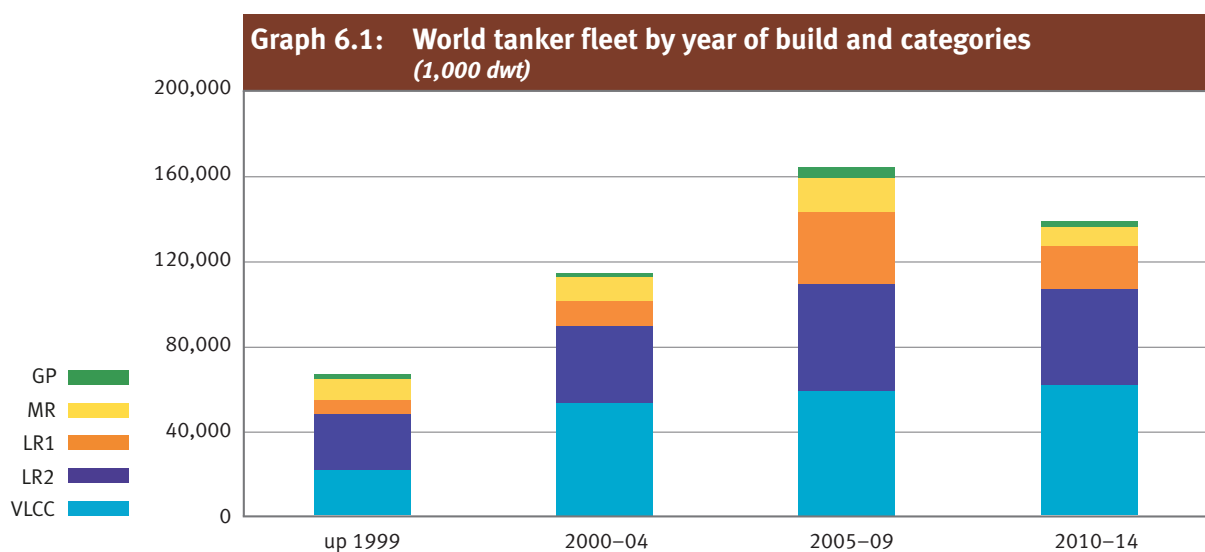


Table 6.3**Oil transportation**

LPG carrier fleet in OPEC Members (1,000 cu m)

	2010		2011		2012		2013		2014	
	no	capacity	no	capacity	no	capacity	no	capacity	no	capacity
Algeria	10	468	8	324	8	324	8	324	8	324
Angola	–	–	4	23	5	203	5	213	5	213
Ecuador	4	67	4	67	5	110	5	145	16	881
IR Iran	1	12	1	12	1	12	1	12	1	12
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	4	321	4	321	4	321	4	321	4	215
Libya	2	8	2	8	2	8	2	8	2	8
Nigeria	2	157	2	157	2	157	2	157	–	–
Qatar	4	328	4	328	4	328	4	328	4	328
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	1	3	1	3	1	3	1	3	1	9
Venezuela	2	24	2	24	2	24	2	24	–	–
OPEC	30	1,388	32	1,267	34	1,490	34	1,535	41	1,990
Total world	1,153	18,701	1,185	19,338	1,208	19,627	1,221	19,948	1,254	21,323
<i>OPEC percentage</i>		7.4		6.6		7.6		7.7		9.3

Notes:

Figures as at year-end.

Table 6.4

World LPG carrier fleet by size and type (1,000 cu m)

	2010		2011		2012		2013		2014	
	no	capacity	no	capacity	no	capacity	no	capacity	no	capacity
up to 19,999	899	3,680	918	3,761	932	3,857	941	3,959	956	4,103
20,000–39,999	95	2,761	105	3,046	115	3,294	117	3,350	122	3,508
40,000–59,999	20	1,164	20	1,164	19	1,107	19	1,107	19	1,107
60,000–99,999	139	11,096	142	11,367	142	11,369	144	11,532	157	12,605
100,000 and over	–	–	–	–	–	–	–	–	–	–
Total world	1,153	18,701	1,185	19,338	1,208	19,627	1,221	19,948	1,254	21,323

Notes:

Figures as at year-end.

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

	2010		2011		2012		2013		2014	
	no	dwt	no	dwt	no	dwt	no	dwt	no	dwt
10,000–39,999	2	42	2	42	2	42	2	42	1	28
40,000–49,999	8	375	4	182	3	135	2	87	2	87
50,000–59,999	2	108	1	55	–	–	–	–	–	–
60,000–69,999	2	132	2	132	1	66	–	–	–	–
70,000–79,999	5	375	4	300	3	225	–	–	6	435
80,000–99,999	7	609	6	510	4	333	–	–	–	–
100,000–119,999	12	1,304	12	1,304	10	1,098	10	1,098	10	1,098
120,000–129,999	2	241	2	241	2	241	2	241	2	241
130,000–319,999	8	2,068	7	1,915	5	1,599	5	1,599	5	1,599
Total world	48	5,253	40	4,681	30	3,739	21	3,066	26	3,490

Notes:

Figures as at year-end.

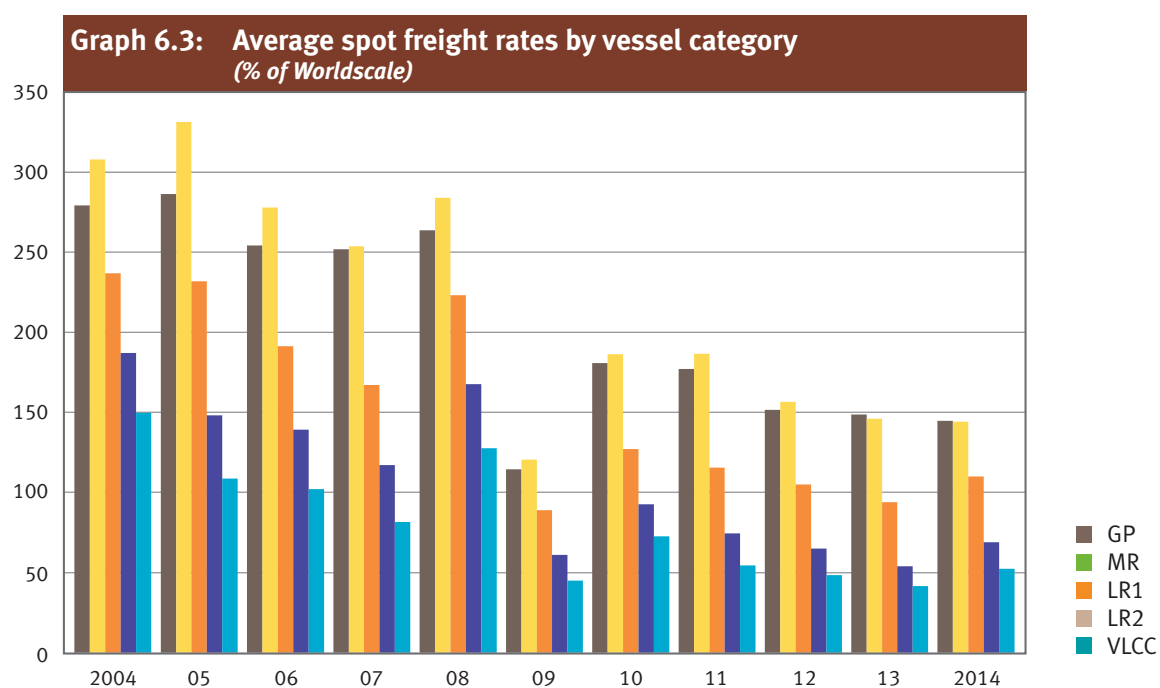
Table 6.6**Oil transportation**Average spot freight rates by vessel category (% of *Worldscale*)

		2010	2011	2012	2013	2014
GP	16.5–24.9	180.5	177.0	151.5	148.5	144.5
MR	25.0–44.9	186.0	186.5	156.5	146.0	144.0
LR1	45.0–79.9	127.0	115.5	105.0	94.0	110.0
LR2	80.0–159.9	92.5	74.5	65.0	54.0	69.0
VLCC	160.0–319.9	72.5	54.5	48.5	41.5	52.5

Notes:

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

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



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

	2010		2011		2012		2013		2014	
	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t
ME/EAST	73	7.9	53	7.0	48	7.5	41	7.1	49	7.9
ME/WEST	51	15.3	39	14.2	33	14.2	26	12.4	30	11.8
WAF/EAST	74	19.9	53	17.5	49	19.3	41	17.7	50	20.1
WAF/USGC	99	16.9	77	16.0	67	16.7	57	15.4	73	18.6
WEST/USGC	93	13.7	72	12.7	60	12.6	52	11.8	65	14.2
INDO/EAST	112	11.8	99	12.5	91	13.7	79	13.0	99	15.2
CAR/USEC	135	9.4	108	8.9	105	10.2	102	10.8	127	12.8
MED/MED	117	5.6	101	5.5	88	5.6	81	5.4	104	6.8
MED/WEST	115	10.3	100	10.6	88	10.9	77	10.2	97	12.3

Notes:

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

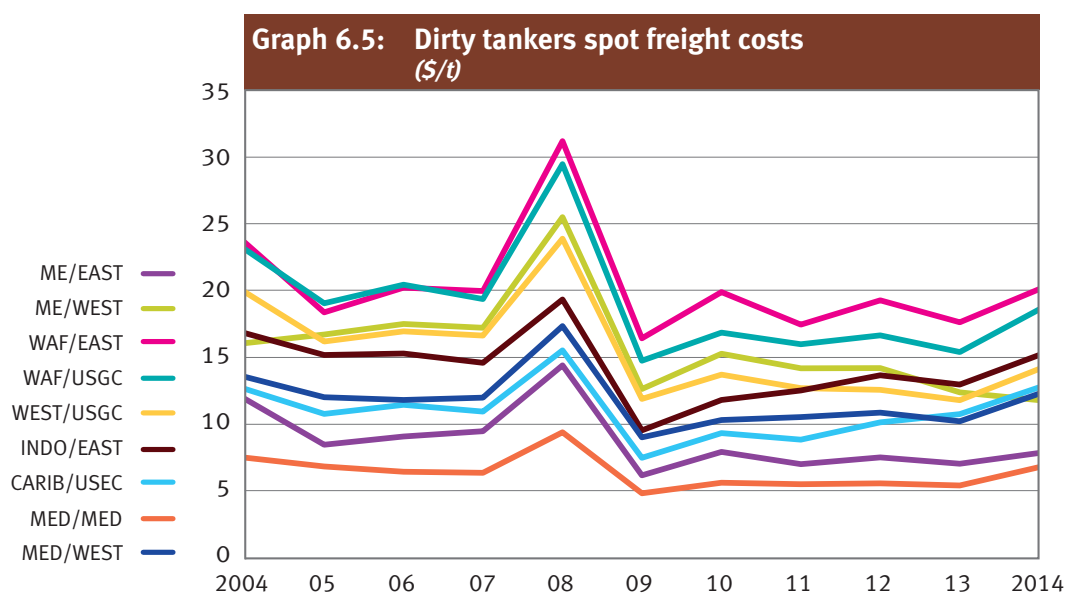
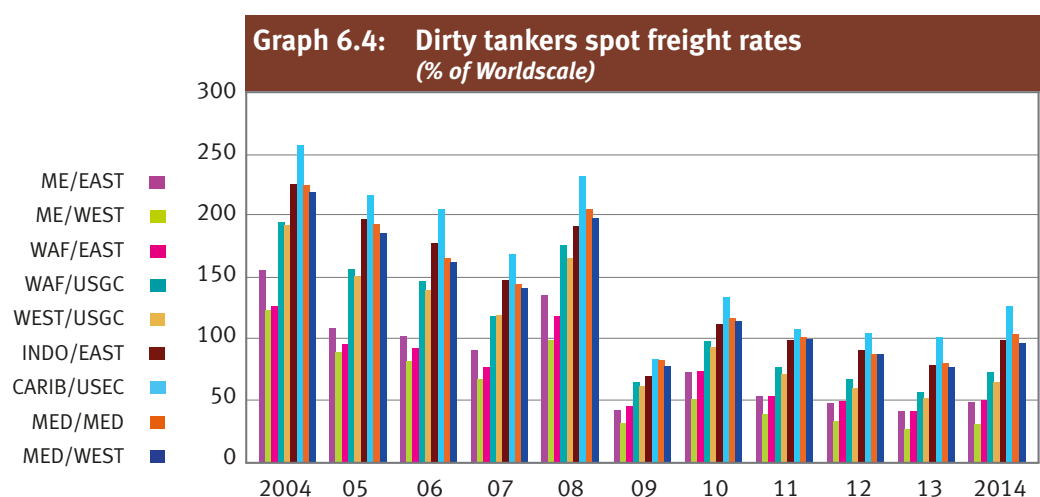
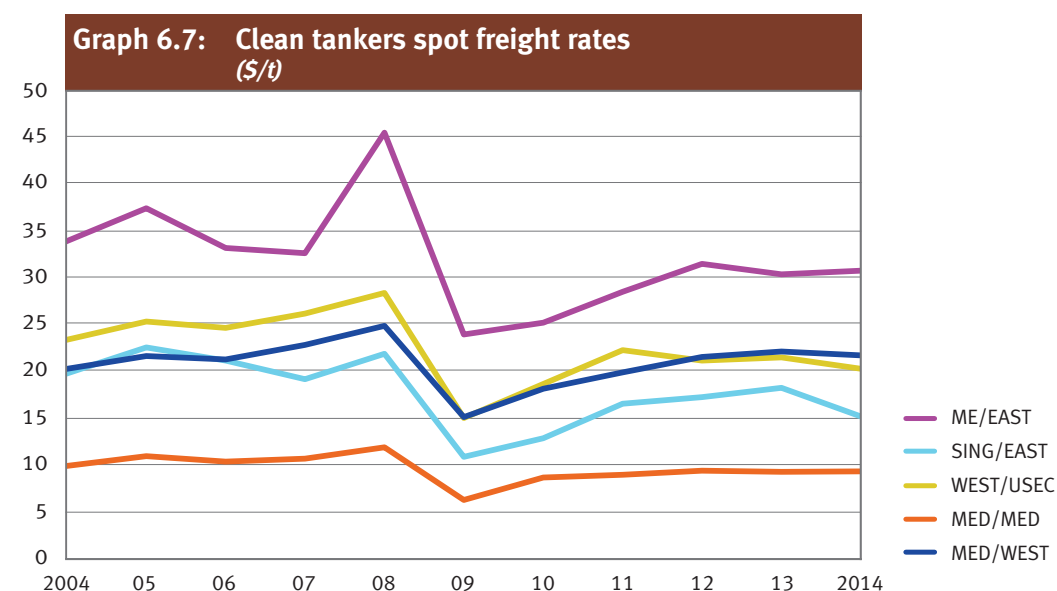
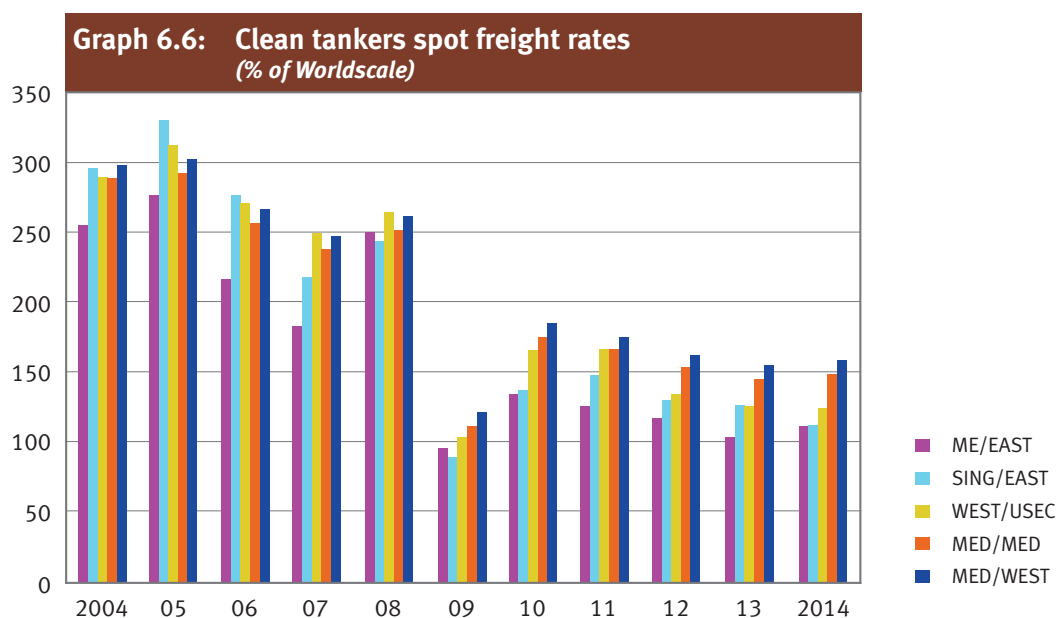


Table 6.8**Oil transportation**Clean tanker spot freight rates (% of *Worldscale* and \$/t)

	2010		2011		2012		2013		2014	
	%	\$/t	%	\$/t	%	\$/t	%	\$/t	%	\$/t
ME/EAST	134	25.3	125	28.6	117	31.6	103	30.4	111	30.8
SING/EAST	137	12.9	148	16.6	130	17.3	126	18.3	112	15.3
WEST/USEC	166	18.7	167	22.3	134	21.2	125	21.6	124	20.4
MED/MED	175	8.7	167	9.0	153	9.5	145	9.3	149	9.4
MED/WEST	185	18.2	175	20.0	162	21.6	155	22.2	159	21.8

Notes:

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



Main crude oil pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Algeria			
Haoud El Hamra/Arzew (2)	Sonatrach/ TRC	498, 511	28, 34
Haoud El Hamra/Bejaia	Sonatrach/ TRC	415	24
Haoud El Hamra/Skikda	Sonatrach/ TRC	400	34
In Amenas/La Skhirra (Tunisia)	Sonatrach/ TRC	165	24
Angola			
Block 2: Lombo East/Essungo	Snl P & P	76	16
Block 0: East Kokongo/Malongo terminal	Chevron	65	24
Block 0: Banzala Platform 'A'/GS-Mike Platform	Chevron	65	24
Block 17: P80/FPSO Girassol	Total	40	8
Block 0: GS-N Platform/Malongo terminal	Chevron	35	30
Block 17: FLET P10/SSU Zinia	Total	34	10
Block 14: Tombua Landana CPT/East Kokongo	Chevron	27	18
Block 17: P70/FPSO Girassol	Total	26	8
Block 15: Kizomba C1/Kizomba A SHR	Esso	24	10
Block 3: PAMF1/PALP 2	Snl P & P	23	16
Block 0: South Nemba/East Kokongo	Chevron	22	18
Block 2: Essungo/Quinfuquena terminal	Snl P & P	22	18
Block 18: Greater Plutonio Project (2)	BP	20, 22	2 x 12
Block 31: PSVM Project (3)	BP	19, 33, 35	11, 2 x 13
Block 17: P20/FPSO Girassol	Total	17	8
Block 0: South Sanha/East Kokongo	Chevron	16	12
Block 0: North N'Dola/East Kokongo	Chevron	16	12
Block 3: PACF1/PALP1	Snl P & P	15	12
Block 15/06: PLET M2/PLET M1	Eni	15	8
Block 3: Lombo East/PALP2	Snl P & P	14	16
Block 15: Kizomba MV1 (North)/Kizomba B SHR	Esso	13	10
Block 2/85: Bagre B/Bagre F	Snl P & P	13	16
Block 3: IPSF1/PLAP2	Snl P & P	13	10
Block 15: FLET production line/FLET production line (4)	Esso	4 x 13	4 x 12
Ecuador			
Lago Agrio/Esmeraldas	Oleoducto Transecuatoriano SOTE (State)	305	26/20/26
Lago Agrio/Esmeraldas	Oleoducto de crudos pesados OCP (private)	304	24, 2 x 32, 34, 36
IR Iran			
Ahwaz/Ray	NIOC	580	30/26
Ray/Tabriz	NIOC	377	16
Marun/Esfahan	NIOC	273	30/32
Neka/Sari/Ray	NIOC	199	30/32
Tang-e-Fani/Kermanshah	NIOC	150	16
Naftshahr/Kermanshah	NIOC	144	8

Table 6.9
Oil transportation
Main crude oil pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
IR Iran (cont'd)			
Gachsaran/Shiraz	NIOC	142	10
Esfahan/Ray	NIOC	140	24
Cheshmeh Khosh/Ahwaz	NIOC	96	18
Ahwaz/Abadan (2)	NIOC	75, 85	12/20, 24
Omidieh/Abadan	NIOC	64	12
Darkhoin/Abadan	NIOC	37	16
Genaveh/Kharg	NIOC	29	30/42/52
Goreh/Genaveh	NIOC	21	26/30/42
Iraq			
JP/FAO	Petrochina	171	42
Halfaya junction/FAO	MOC	167	42
(IT1A) Station/Iraqi-Turkish border	North Oil Company	139	46
BUT/Haammdan	MOC	139	28
Ahdeb/PS2	SOC	131	24
PS2/Tuba (Warehouse)	SOC	124	36
PS1/Basrah terminal	SOC	115	48
ZB1/Al-Umaya terminal	SOC	114	42
Badra/PS2 (Section 1)	MOC	103	24
Valves Site Alekhala/Haammdan	MOC	103	28
ZB1/Basrah terminal	SOC	99	42
Tuba/SPM1, SPM2, SPM3 (3)	SOC	96, 95, 99	3 x 48
(K3) Station/Iraqi-Syrian border (2)	North Oil Company	2 x 98	32, 30
West Al-Fat'ha/(K3) Station	North Oil Company	84	12
Neft-Khana/Daura refinery	OPC	81	12
Badra/PS2 (Section 2)	SOC	59	28
(IT1) Station/North refinery company	Oil Pipeline Company	52	26
(IT1) Station/Al-Fat'ha (Tigris river crossing)	North Oil Company	46	40
East Baghdad/Daura refinery	OPC	44	16
Ahdeb/Wassit P P (2)	OPC	42, 45	16, 10
FAO/SPM1, SPM2, SPM3 (3)	SOC	35, 36, 38	3 x 48
BUT/Halfaya junction	MOC	33	32
Al-Fat'ha (Tigris river crossing)/(IT1A) Station	North Oil Company	29	40
West Al-Fat'ha/(IT1A) Station (3)	North Oil Company	3 x 27	20, 28, 34
Kuwait			
Burgan/Shuaiba	KOC	38	20
Wafra/MAB	KGOC	32	16
Wafa/Burgan	KOC	24	16
Khafji offshore/Khafji onshore (4)	KOC	4 x 31	24, 2 x 26, 36

Main crude oil pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Libya			
El-Sharara/Az-Zawiyah	Akakus	451	30
El-Sharara/Mellitah	Mellitha Oil & Gas	451	30
Sarir/Tobruk	Arabian Oil	318	34
Hamada/Az-Zawiyah	Arabian Oil	240	18
Amal/Ras Lanuf (2)	Harouge	2 x 169	36/30
Zaggut/Es-Sider	Waha Oil	166	24
Intesar/Zuetina	Zuetina	136	40
Messla/Amal	Arabian Oil	128	42
Samah/Dahra	Waha Oil	114	32
Nasser/Al-Brayqah	Sirte	107	36
Gialo/Waha	Waha Oil	94	30
Ora-Beda gathering/Aseida gathering	Harouge	84	24
Bu-Attifel/Intesar	Mellitha Oil & Gas	82	30
Zella/Hofra	Zuetina	70	20
Magid/Nafoora	Arabian Oil	65	14
Sabah/Zella	Zuetina	56	16
Raguba/'Nasser — Al-Brayqah' line	Sirte	55	20
Aseida gathering/Ras Lanuf	Harouge	55	30
Dor Marada/Ora	Harouge	51	10
Rimal/Bu-Attifel	Mellitha Oil & Gas	47	12
El-Feel/El-Sharara	Mellitha Oil & Gas	47	24
Bahi gathering/Es-Sider (2)	Waha Oil	2 x 44	30
Dahra/Bahi gathering	Waha Oil	43	30
Faregh/Gialo	Waha Oil	40	12
Waha/Samah	Waha Oil	40	24
Hofra/Aseida gathering	Harouge	35	24
Nafoora/Amal	Arabian Oil	32	32
Waha/Zaggut	Waha Oil	27	24
Zaggut/Samah	Waha Oil	22	24
Nigeria			
Escravos/Warri/Kaduna	NNPC/PPMC	421	24/16
Obriafu/Oben Node	NNPC/PPMC	130	48
Drill Center 2/Drill Center North	MPNU	100	11
Ogoda/Brass	NAOC	62	24
Okoro 2/IMA terminal	AMNI	60	12
Tebidaba/Brass	NAOC	57	24
Bonny/Port Harcourt refinery	NNPC/PPMC	34	24
Brass Creek/Forcados	SPDC	34	24

Table 6.9**Oil transportation****Main crude oil pipelines in OPEC Members, 2014**

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Nigeria (cont'd)			
Oso/Qit/Tanker Berth 2 & Oso SPM	MPN/MPNU	31, 37, 45	18, 36, 42
Rapele manifold/Forcados terminal	SPDC	31	28
Edop/Qit	MPN	30	24
Alakiri/Bonny	SPDC	21	24
Buguma Creek/Alakiri	SPDC	20	29
Idoho/Qit (2)	MPNU	19, 48	2 x 24
Forcados/CLP	SPDC	19	48
Ughelli PS/WRM LL	SPDC	19	20
Bonny terminal/offshore SBM (1 & 2)	SPDC	2 x 19	2 x 48
Bonny/CLP	SPDC	18	48
Forcados terminal/offshore SBM	SPDC	18	48
Brass manifold/Brass offshore terminal	NAOC	16	36
Qatar			
Mile 32/Storage tank Mesaieed (3)	QP	3 x 60	16, 20, 24
Bul Hanine/Halule Island	QP	43	20
GIP/Halule Island	QPD	41	10
DP (1 & 2)/Halule Island (3)	Total	3 x 40	2 x 12, 20
Um Bab/Mile 32 (4)	QP	4 x 25	2 x 14, 16, 24
Idd El Shargi/Halule Island (2)	OXY	20, 24	12, 20
Saudi Arabia			
Abqaiq/Yanbu	Saudi Aramco	748	56
Shaybah/Abqaiq	Saudi Aramco	397	46
Hawtah/Hawtah Stabilizer	Saudi Aramco	206	24
Safaniyah/Juaymah	Saudi Aramco	123	46/48
Ghawar/Abqaiq (3)	Saudi Aramco	2 x 110, 134	18/20/24/30/31, 46/48, 36/40/42
AY-1L KP 65.628/Rabigh	Saudi Aramco	90	36
Khurais/Riyadh	Saudi Aramco	88	26
Safiniyah/Khursaniyah (4)	Saudi Aramco	4 x 66	22, 30, 40/42, 40/42/48
Khursaniyah/Ras Tanura (4)	Saudi Aramco	53, 63, 65, 67	40/42/48, 22, 40/42, 30
Abqaiq/Qatif junction (5)	Saudi Aramco	2 x 44, 3 x 34	30/32, 46/48, 30, 40/42
Abqaiq Plants/ Dhahrab (3)	Saudi Aramco	39, 2 x 38	14, 12/14
Berri/Ras Tanura	Saudi Aramco	37	40/42
KM 50/Qatif junction	Saudi Aramco	31	46/48
Neutral Zone: Wafra field/Mina Saud (3)	SAC	3 x 31	10, 16, 20
Aindar/ Abqaiq Plants (3)	Saudi Aramco	3 x 28 20/22, 24/26/28, 24/26/30/32	
Qatif junction /Ju'aymah terminal (3)	Saudi Aramco	3 x 24	48, 2 x 46/48

Main crude oil pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
United Arab Emirates			
MPS/Fujairah	IPIC	237	48
BAB/AD refinery	TAKREER	95	18
BAB/Jebel Dhanna (3)	ADCO	3 x 70	24, 36, 32/36
Dhabbiya/BAB	ADCO	63	20
Zakum field (ZWSC)/Das Island	ADMA-OPCO	57	30
ASAB (MOL3)/BAB (2)	ADCO	2 x 53	26/32, 36
Qushawira/ASAB	ADCO	50	14
Shah/ASAB	ADCO	42	16
Umm Al Dalkh/Upper Zakum	ZADCO	41	14
Upper Zakum/Zirku (2)	ZADCO	2 x 37	2 x 42
Satah/Zirku Island	ZADCO	36	14
ABK/Das Island	ABK	32	10
Sahil/ASAB	ADCO	28	16
Mubarraz field/Mubarraz terminal	ADOC	22	14
Buhasa spur line 1–2/MP21 (2)	ADCO	2 x 22	2 x 24
Umm-Shaif field/Das Island (2)	ADMA-OPCO	21, 22	18, 36
Rumaitha/Dhabbiya	ADCO	19	12
Huwaila/Buhasa	ADCO	17	10
Bunduq/Das Island	Bunduq	16	18
MP21/MPS	ADCO	14	48
Venezuela			
PT Silvestre/El Palito	PDVSA	213	20
Mata Larga/PT Silvestre	PDVSA	165	20
Ule/Amuya (2)	PDVSA	2 x 143	24/26, 26
PT Miranda/Cardon	PDVSA	141	30
PT Oficina/PT la Cruz (3)	PDVSA	2 x 97, 62	30, 26, 16
PT Travieso/T Jose	PDVSA	94	26
PT Oficina/T Jose (2)	PDVSA (31/30 per cent)	2 x 93	42/20
PT Morichal/PT Oficina	PDVSA	91	36
PT Travieso/Naricual	PDVSA	84	30
Bachaquero/PT Miranda (2)	PDVSA	2 x 66	30/31, 30/34
PT Travieso/ERB-II	PDVSA	62	16
Pta de Palma/PT Miranda	PDVSA	42	24
La Victoria/Las Monas	PDVSA	40	16
ERB-II, PT Oficina/PT Anaco	PDVSA	34, 35	2 x 16
ERB-II/PT la Cruz	PDVSA	32	16
ERB-II/T Jose	PDVSA	29	36
Lagunillas/La Salina	PDVSA	26	34

Notes: .../... — Pipeline with changing diameter.

Table 6.10**Oil transportation**

Main petroleum product pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (<i>miles</i>)	Diameter (<i>inches</i>)
Algeria			
Skikda/El Khroub (3)	Naftal	65 ¹ , 56, 57 (LPG)	16 ¹ , 12, 10
El Khroub/El Eulma	Naftal	64	16
Skikda/Berrahal (2) ¹	Naftal	53, 53 (LPG)	12, 8
Arzew/Sidi Bel Abbès (2)	Naftal	45, 45 (LPG)	12, 10
Sidi Bel Abbès/Tlemcen	Naftal	44 (LPG)	8
Sidi Arcine/Blida (2)	Naftal	30, 24 (LPG)	2 x 10
Sidi Bel Abbès/Sidi Abdeli	Naftal	32	10
Arzew/Oran	Naftal	18.63	8
Sidi Abdeli/Remchi	Naftal	14.12	8
Angola			
Lobito-Lusaka (Zambia)*	Sonangol	868	na
Ecuador			
Shushufindi/Beaterio	EP Petroecuador	187	6/4
Santo Domingo/Pascuales	EP Petroecuador	170	10
Libertad/Barbasquilo	EP Petroecuador	104	6
Esmeraldas/Santo Domingo	EP Petroecuador	101	16
Libertad/Pascuales	EP Petroecuador	78	10
Monteverde/Chorrillos	EP Petroecuador	76	12.00
Quito/Ambato	EP Petroecuador	69	6
Santo Domingo/Beaterio	EP Petroecuador	55	12
IR Iran			
Rey/Mashhad	NIOC	523	20, 22
Ahwaz/Rey (2)	NIOC	510, 469	10/14/10, 16/20/16
Rey/Tabriz	NIOC	476	14
Shahrood/Mashhad	NIOC	275	8
Esfahan/Rey (2)	NIOC	2 x 231	18, 24
Rey/Rasht	NIOC	195	14, 16, 18
Rey/Sary	NIOC	178	12, 16
Tabriz/Orumieh	NIOC	174	8, 10
Arak/Rey	NIOC	160	10, 16
Gazvin/Rasht	NIOC	109	6
Arak/Hamadan	NIOC	107	12
Shahrood/Gorgan	NIOC	103	8, 10
Abadan/Ahwaz	NIOC	94	12, 16
Mahshahr/Abadan	NIOC	63	16
Imam — Taghy/Torbat Haidar	NIOC	58	8
Rey/Karadj	NIOC	36	8

Main petroleum product pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Iraq			
Nasuria/Daura refinery	OPC	379	10
Baiji/T1	OPC	242	16
Nasuria/Kut	OPC	186	8
Baiji/Mushahdah (2)	OPC	2 x 168	22, 8
Baiji/Hamam Alil	OPC	167	16
Shuaiba/Nasuria (2)	OPC	161, 164	14, 10
Karkh/Habania	OPC	156	(16 x 31)(12 x 125)
Mushahdah/Karkh	OPC	111	12
Baiji/Kirkuk	OPC	86	12
North Gas/Sallah Al-Dean refinery	OPC	86	8
Hamam Alil/Felfel	OPC	65	32
Mushahdah/Rusafa	OPC	52	12
Daura refinery/Rusafa	OPC	51	10
Shuaiba/Khour Al-Zubair	OPC	45	16/24
Khour Al-Zubair/Shuaiba (2)	OPC	2 x 45	10, 8/10
Huzairan depot/Cement Al Tamem	OPC	42	6
Shuaiba/Abu — Phlooce	OPC	38	10/24
Basrah refinery/ Hartha & Najibia electric stations	OPC	30	8/12
Daura refinery/Baghdad Int Airport	OPC	28	8
Rusafa/Diala	OPC	25	8
Shuaiba/Muftia	OPC	21	10
Kuwait			
Mina al Ahmadi refinery/Al-Zour/Doha	KNPC	52	2 x 18, 2 x 20
Mina al Ahmadi/Kafco	KNPC	25	12
Mina al Ahmadi refinery/al Ahmadi (2)	KNPC	12	8, 2 x 6
Mina al Ahmadi refinery/Subhan (2)	KNPC	2 x 12	12, 8
Libya			
Azzawya/Elwettia depot	Elbrega Co	56	16
Azzawya/Eljmail depot	Elbrega Co	40	16
Azzawya/Airport road depot (2)	Elbrega Co	2 x 34	16, 10
Azzawya/Janzour depot	Elbrega Co	21	8

Table 6.10**Oil transportation**

Main petroleum product pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (<i>miles</i>)	Diameter (<i>inches</i>)
Nigeria			
Auchi/Suleja	PPMC	155	12
Ibadan/Ilorin	PPMC	106	6
Enugu/Auchi	PPMC	105	12
Ore/Moisimi	PPMC	94	12
Suleja/Kaduna	PPMC	93	12
Benin/Ore	PPMC	71	14
Auchi/Benin	PPMC	66	12
Warri/Benin	PPMC	56	16
Suleja/Minna	PPMC	50	8
Moisimi/Ibadan	PPMC	49	12
Atlas Cove/Moisimi	PPMC	30	16
Qatar			
QP refinery, Mesaieed/Q-Jet, Doha	QP Refinery	33	12/16
QP refinery, Mesaieed/WOQOD, Doha (2)	QP Refinery	19, 26	6, 18
Saudi Arabia			
Dharan/Riyadh	Saudi Aramco	246	20
Riyadh/Qasim	Saudi Aramco	225	16
Yanbu/Madina	Saudi Aramco	93	14
Ras Tanura/Dhahran (3)	Saudi Aramco	66, 2 x 23	20, 2 x 12
Abqaiq/Alhasa	Saudi Aramco	40	8
United Arab Emirates			
Ruwais refinery/Mussaffah	Takreer	129	16
Mussaffah/Al Ain	Takreer	101	10
Mussaffah/Abu Dhabi Airport	Takreer	17	10
Abu Dhabi refinery/Abu Dhabi Airport	Takreer	10	10
Abu Dhabi refinery/Mussaffah (2)	Takreer	10, 10 (LPG)	12, 8
Venezuela			
San Tomé/Puerto Ordaz	PDVSA	124	12
San Lorenzo/El Vigía	PDVSA	104	12
PT La Cruz/San Tomé	PDVSA	99	16
San Tomé/Maturín	PDVSA	99	8
El Palito refinery/Barquisimeto	PDVSA	95	12
Bajo Grande/San Lorenzo	PDVSA	70	12
Carenero/Guatire	PDVSA	45	16
Puerto Ordaz/Bolívar	PDVSA	44	8
El Palito refinery/Yagua	PDVSA	29	16

Notes:

1. Project underway.

.../... — Pipeline with changing diameter.



SECTION 7

Oil prices

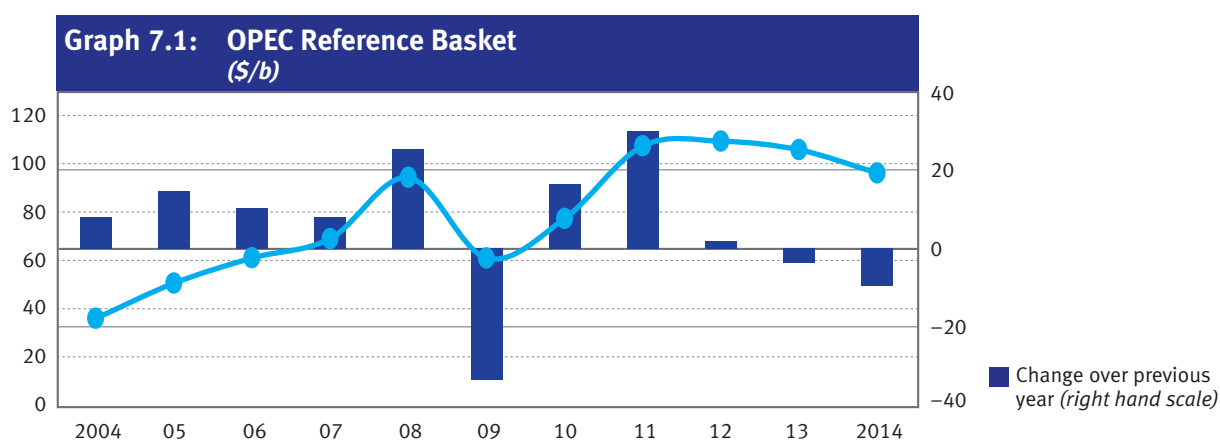
Table 7.1**Oil prices**

OPEC Reference Basket (ORB) and corresponding spot components prices (\$/b)

	Representative crude stream	2010	2011	2012	2013	2014
Algeria	Saharan Blend	80.35	112.92	111.49	109.38	99.68
Angola	Girassol	79.53	111.57	112.21	109.14	99.19
Ecuador	Oriente	72.82	101.03	102.76	97.74	87.31
Iran	Iran Heavy	76.74	106.11	109.06	105.73	96.18
Iraq	Basrah Light	76.79	106.17	107.96	103.60	94.45
Kuwait	Kuwait Export	76.32	105.63	108.93	105.04	95.32
Libya	Ess Sider	79.13	111.90	111.86	108.51	98.51
Nigeria	Bonny Light	81.07	114.15	113.66	111.36	100.85
Qatar	Marine	78.18	106.53	109.26	105.32	96.39
Saudi Arabia	Arab Light	77.82	107.82	110.22	106.53	97.18
United Arab Emirates	Murban	79.94	109.77	111.76	108.21	99.45
Venezuela	Merey	69.70	97.94	100.06	96.66	86.88
OPEC	ORB	77.45	107.46	109.45	105.87	96.29
ORB	Volatility ¹	5.38	6.50	7.96	3.93	14.56
ORB	Coefficient of variation ² , %	7	6	7	4	15

Notes:

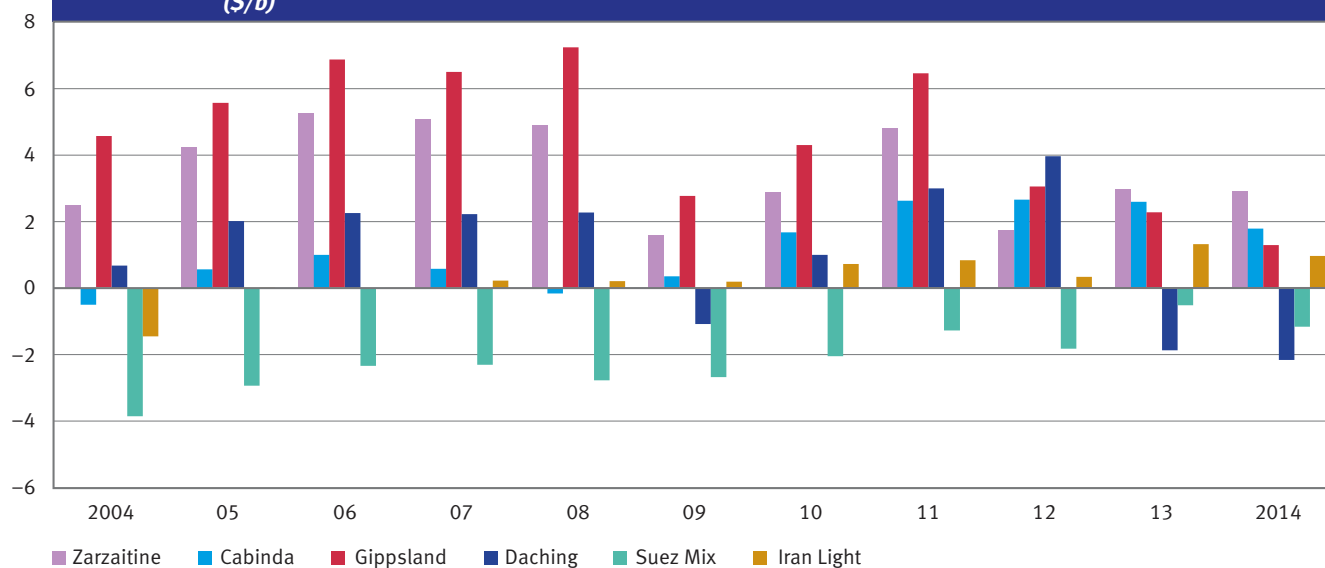
1. Standard deviation of daily prices.
2. Ratio of volatility to annual average price.



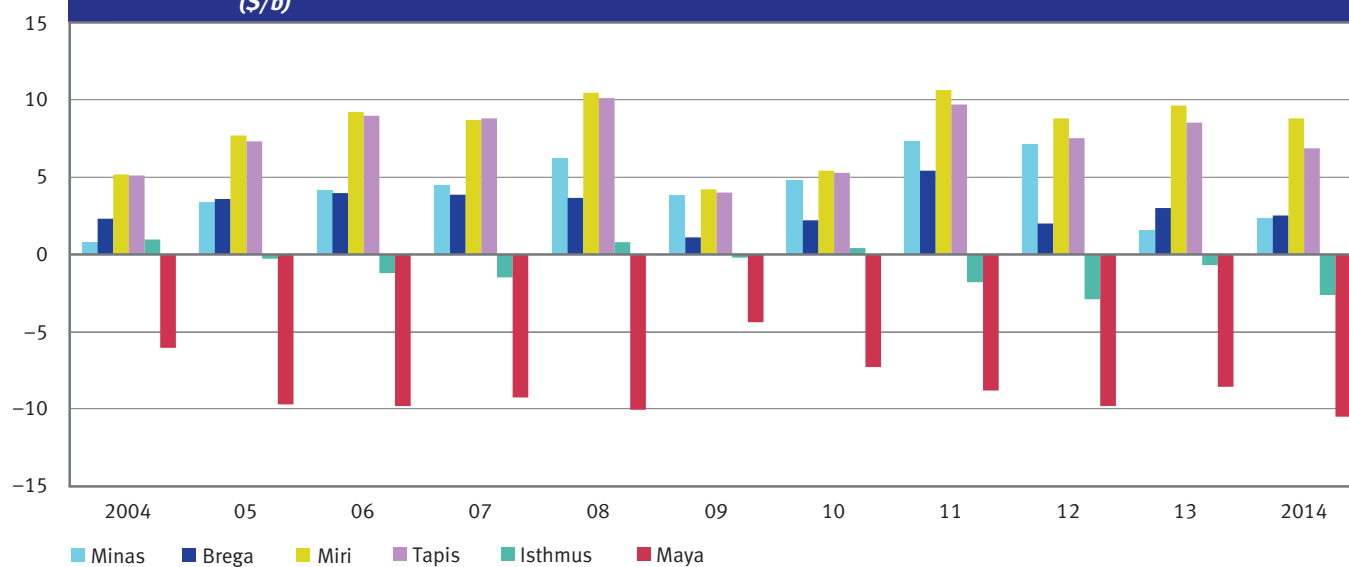
Selected spot crude oil prices (\$/b)

	Crude stream	2010	2011	2012	2013	2014
Algeria	Zarzaitine	80.34	112.26	111.18	108.85	99.19
Angola	Cabinda	79.13	110.09	112.10	108.47	98.07
Australia	Gippsland	81.73	113.91	112.49	108.14	97.58
China	Daching	78.45	110.46	113.41	104.00	94.13
Egypt	Suez Mix	75.40	106.18	107.62	105.35	95.13
IR Iran	Iran Light	78.18	108.29	109.79	107.19	97.26
Indonesia	Minas	82.28	114.79	116.60	107.41	98.68
Libya	Brega	79.67	112.89	111.45	108.88	98.79
Malaysia	Miri	82.87	118.08	118.25	115.51	105.10
Malaysia	Tapis	82.74	117.15	116.98	114.39	103.15
Mexico	Isthmus	77.86	105.64	106.55	105.16	93.65
Mexico	Maya	70.14	98.64	99.65	97.31	85.80
Nigeria	Forcados	81.06	113.65	114.21	111.95	101.35
Norway	Ekosfisk	80.52	112.74	112.76	109.88	99.72
Norway	Oseberg	80.77	112.98	112.98	110.04	99.99
Oman	Oman	78.34	106.63	109.35	105.51	97.04
Qatar	Dukhan	79.36	108.86	110.34	107.05	98.44
Russia	Urals	78.39	109.19	110.49	108.00	98.08
Saudi Arabia	Arab Heavy	75.56	104.06	108.32	103.89	93.68
United Kingdom	Brent Dated	79.60	111.36	111.62	108.62	99.08
United Kingdom	Forties	79.60	111.36	111.62	108.65	99.14
United States	WTI	79.42	94.99	94.10	97.96	93.26
United Arab Emirates	Dubai	78.10	106.21	109.07	105.45	96.71
Venezuela	Mesa 30	79.41	107.49	106.91	103.34	97.14

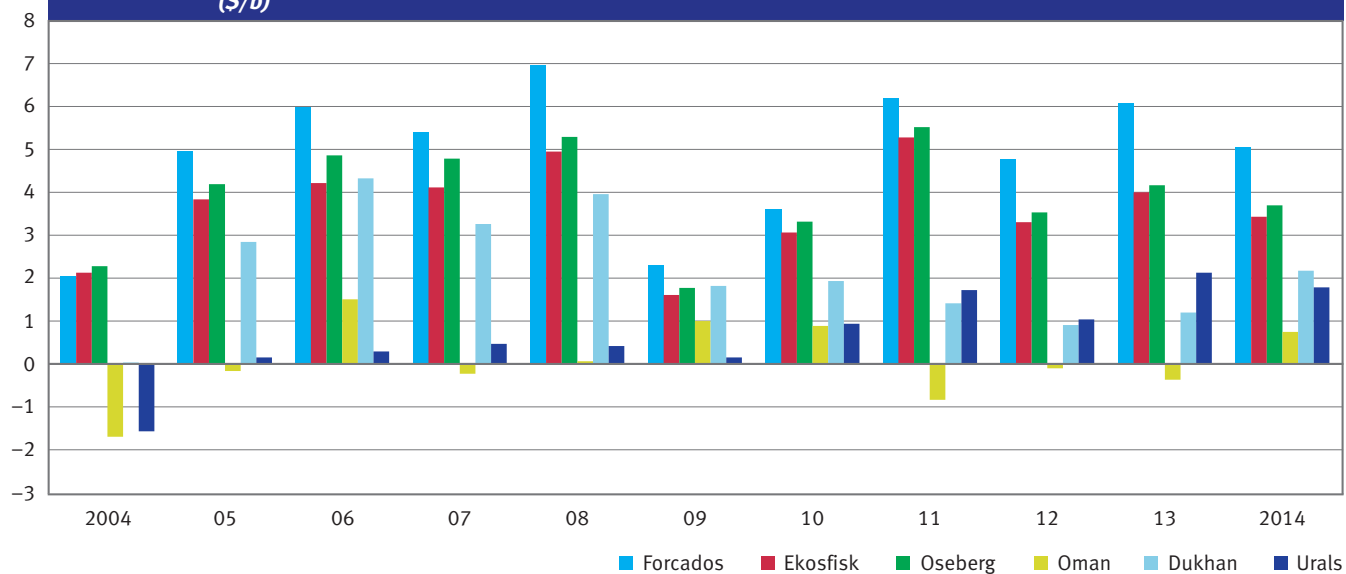
Graph 7.2: Differentials of selected spot crude oil prices to OPEC Reference Basket (1)
(\$/b)



Graph 7.3: Differentials of selected spot crude oil prices to OPEC Reference Basket (2)
(\$/b)



Graph 7.4: Differentials of selected spot crude oil prices to OPEC Reference Basket (3)
(\$/b)



Graph 7.5: Differentials of selected spot crude oil prices to OPEC Reference Basket (4)
(\$/b)

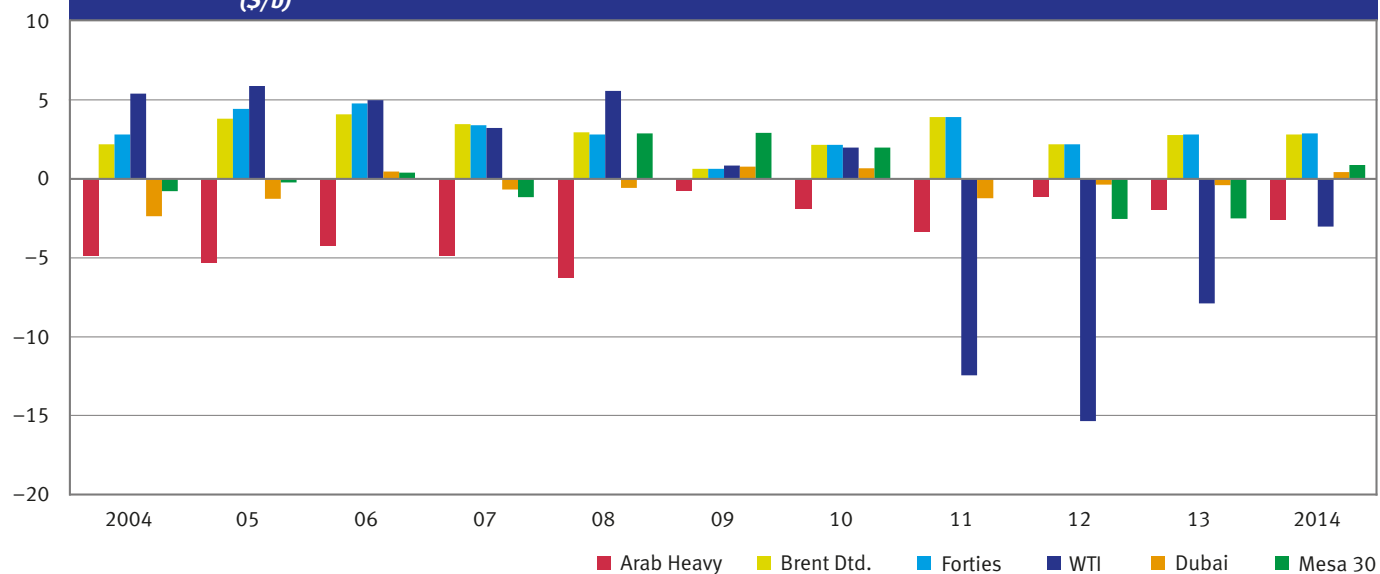


Table 7.3**Oil prices**ICE Brent and NYMEX WTI annual average of the 1st, 6th and 12th forward months (\$/b)

	2010	2011	2012	2013	2014
ICE Brent					
1 st forward month	80.34	110.91	111.69	108.69	99.45
6 th forward month	82.59	109.39	109.24	105.91	99.29
12 th forward month	84.61	108.12	106.68	103.02	98.30
NYMEX WTI					
1 st forward month	79.61	95.11	94.17	98.04	92.91
6 th forward month	82.82	97.23	95.99	96.33	90.23
12 th forward month	84.60	97.76	96.02	92.99	87.57

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

	2010	2011	2012	2013	2014
Nominal oil price	77.45	107.46	109.45	105.87	96.29
Nominal price adjusted for:					
Exchange rates ¹	60.11	80.07	84.90	82.67	75.36
Inflation ²	66.23	89.59	89.42	85.32	76.77
Combined ³	51.40	66.75	69.36	66.62	60.09

Notes:

Base: 2001 = 100.

1. Based on weighted average index of currency exchange rates in the modified Geneva I Agreement (see Geneva I Agreement definition under 'General Notes').
2. Based on weighted average consumer price indices of modified Geneva I countries and the US.
3. Based on combined indices of exchange rates and inflation.

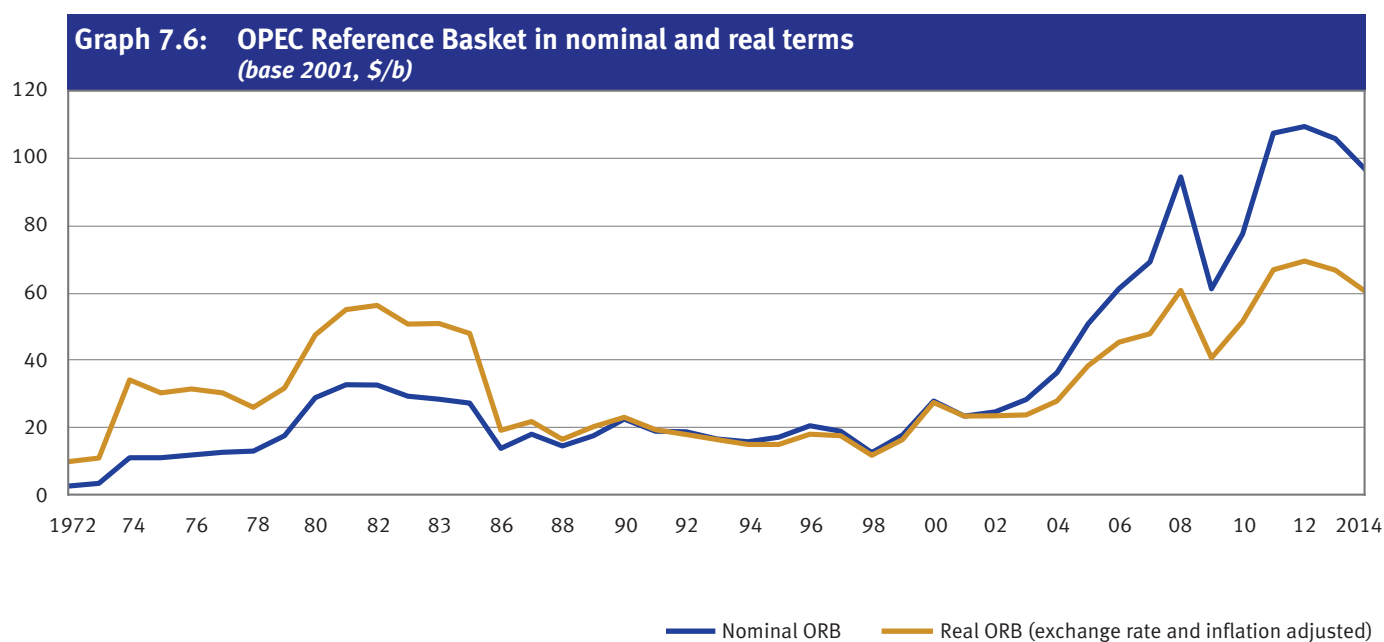


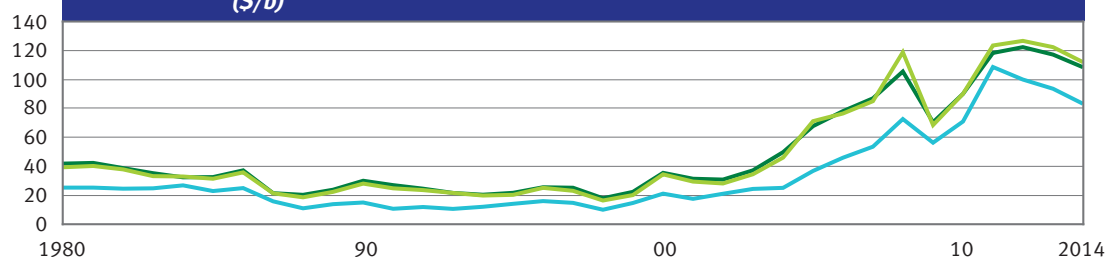
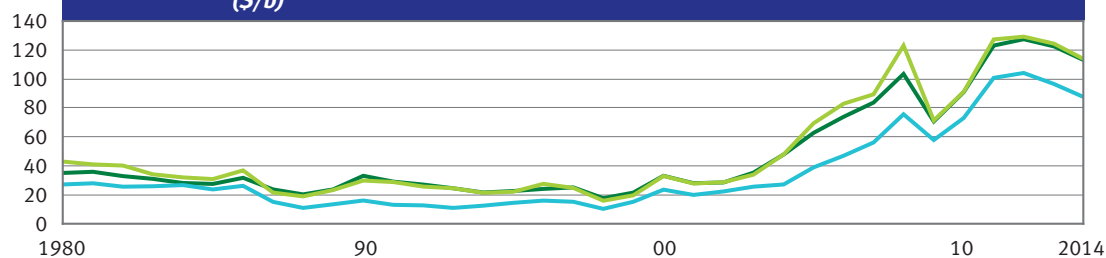
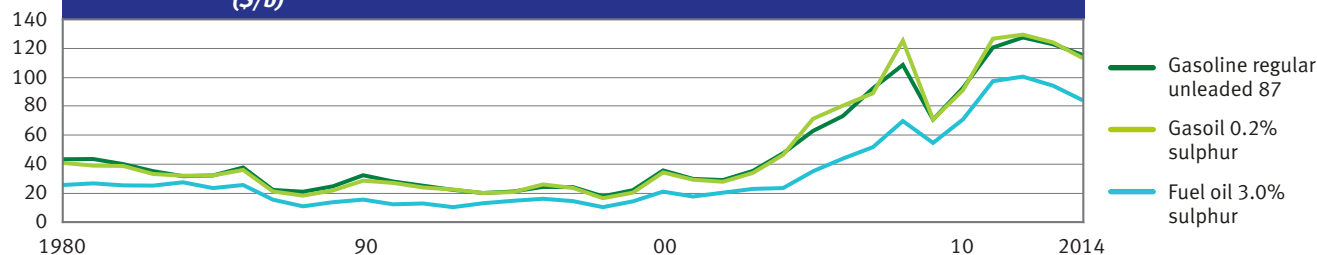
Table 7.5**Oil prices**

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

		2010	2011	2012	2013	2014
US Gulf						
Gasoline	regular unleaded 87	89.54	117.70	121.73	116.55	107.90
Gasoil	0.2% sulphur	89.55	122.83	126.02	121.75	111.39
Fuel oil	3.0% sulphur	70.45	108.01	99.36	93.05	82.67
Singapore						
Gasoline	premium 15 g/l	90.05	122.04	126.41	121.51	111.96
Gasoil	0.05% sulphur	90.35	126.29	128.15	123.38	112.67
Fuel oil	380 CST	72.28	99.87	103.17	95.67	86.58
Rotterdam						
Gasoline	premium 15 g/l	92.35	120.35	127.29	122.57	115.10
Gasoil	10ppm sulphur	90.80	126.47	129.18	123.87	112.91
Fuel oil	3.5% sulphur	70.55	97.02	100.10	93.89	83.68

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. As of 2008 Gasoil is with 10ppm sulphur content, before gasoil is with 0.05 per cent sulphur content.

Graph 7.7: Spot petroleum product prices — US Gulf (\$/b)**Graph 7.8: Spot petroleum product prices — Singapore (\$/b)****Graph 7.9: Spot petroleum product prices — Rotterdam (\$/b)**

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

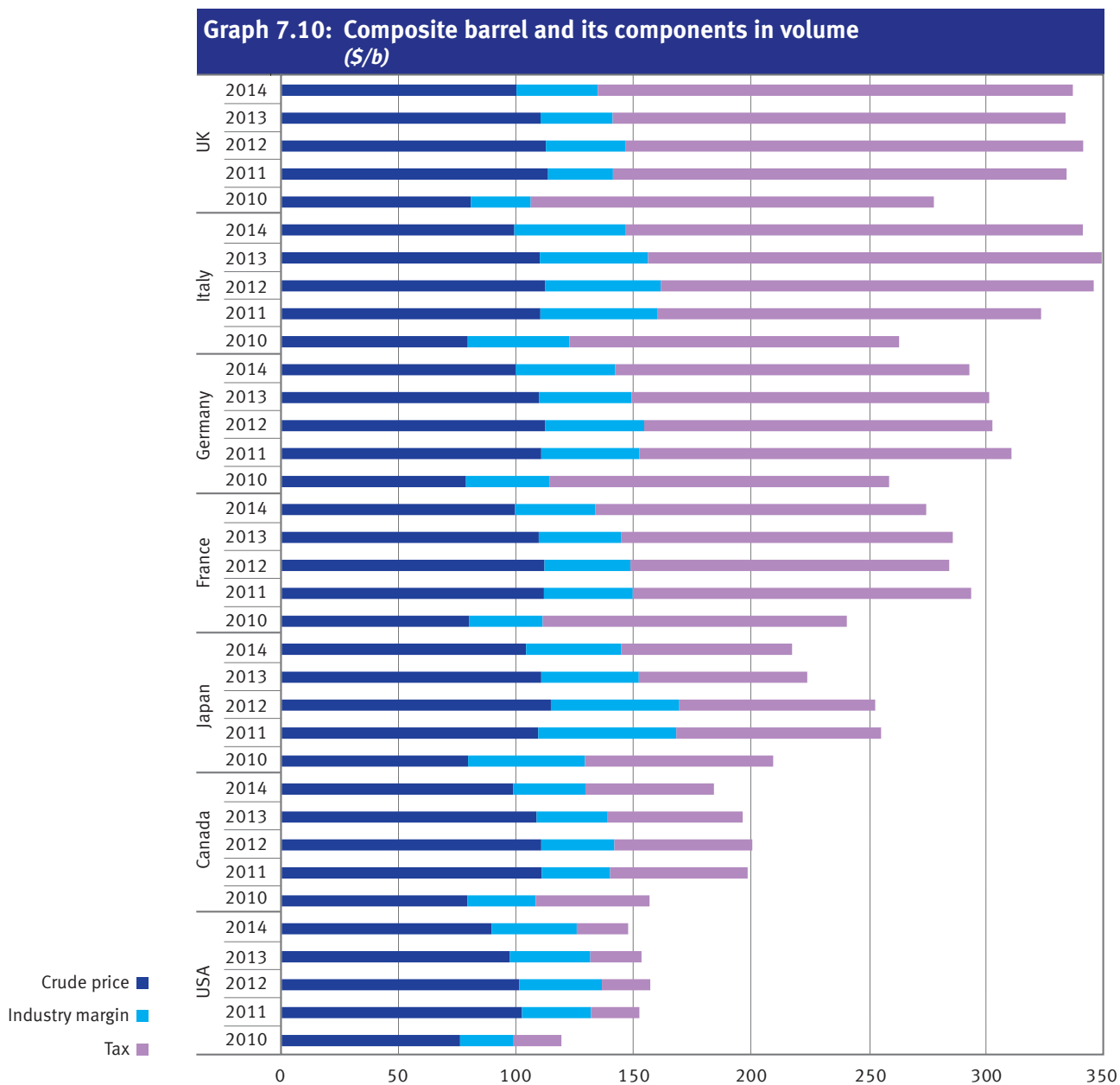
	2010	2011	2012	2013	2014
Algeria					
Gasoline	2,226.7	2,226.7	2,226.7	2,227.0	2,227.0
Diesel oil	1,370.0	1,370.0	1,370.0	1,370.0	1,370.0
Kerosene	nap	nap	nap	nap	nap
Fuel oil	nap	nap	nap	nap	nap
Angola					
Gasoline	8,713.2	9,540.0	9,540.0	9,540.0	14,310.0
Diesel oil	6,360.0	6,360.0	6,360.0	6,360.0	9,540.0
Kerosene	3,339.0	3,339.0	3,339.0	3,339.0	5,565.0
Fuel oil	8,077.2	8,830.9	8,830.9	8,830.9	7,950.0
Ecuador					
Gasoline	62.8	62.8	62.8	63.4	62.8
Diesel oil	37.8	37.8	37.8	39.5	37.8
Kerosene	37.9	37.9	37.9	39.5	37.8
Fuel oil	23.6	23.6	23.6	20.0	20.0
IR Iran					
Gasoline	198,750.0	755,250.0	1,192,500.0	1,192,500.0	1,192,500.0
Diesel oil	26,235.0	238,500.0	159,000.0	159,000.0	159,000.0
Kerosene	26,235.0	238,500.0	159,000.0	159,000.0	159,000.0
Fuel oil	20,208.9	318,000.0	318,000.0	318,000.0	318,000.0
Iraq					
Gasoline	71,550.0	71,550.0	71,550.0	71,550.0	71,550.0
Diesel oil	63,600.0	63,600.0	63,600.0	63,600.0	63,600.0
Kerosene	23,850.0	23,850.0	23,850.0	23,850.0	23,850.0
Fuel oil	15,900.0	15,900.0	15,900.0	15,900.0	15,900.0
Kuwait					
Gasoline	11.4	11.4	11.4	11.4	11.4
Diesel oil	8.7	8.7	8.7	8.7	8.7
Kerosene	8.7	8.7	8.7	8.7	8.7
Fuel oil	nap	nap	nap	nap	nap
Libya					
Gasoline	31.8	23.9	23.9	23.9	23.9
Diesel oil	27.0	27.0	27.0	27.0	27.0
Kerosene	12.7	12.7	12.7	12.7	12.7
Fuel oil	3.5	3.5	3.5	3.5	3.5
Nigeria					
Gasoline	10,335.0	10,335.0	15,423.0	15,423.0	15,423.0
Diesel oil	16,641.7	24,686.3	25,110.9	24,853.3	24,853.3
Kerosene	18,614.1	26,988.7	7,950.0	7,950.0	7,950.0
Fuel oil	12,772.6	9,978.8	18,585.5	18,394.9	18,394.9
Qatar					
Gasoline	119.3	143.1	143.1	147.1	147.1
Diesel oil	143.1	111.3	111.3	159.0	238.5
Kerosene	nap	nap	nap	nap	nap
Fuel oil	nap	nap	nap	nap	nap
Saudi Arabia					
Gasoline	83.5	83.5	83.5	83.5	83.5
Diesel oil	39.8	39.8	39.8	39.8	39.8
Kerosene	68.4	69.2	69.2	69.2	69.2
Fuel oil	nap	nap	nap	nap	nap
United Arab Emirates					
Gasoline	218.6	218.6	218.6	262.5	262.5
Diesel oil	300.7	300.7	300.7	361.3	361.3
Kerosene	nap	nap	nap	nap	nap
Fuel oil	nap	nap	nap	nap	nap
Venezuela					
Gasoline	13.3	13.3	13.3	13.3	13.3
Diesel oil	7.6	7.6	7.6	7.6	7.6
Kerosene	369.2	422.2	468.9	671.3	648.9
Fuel oil	9.6	9.6	9.6	9.6	9.6

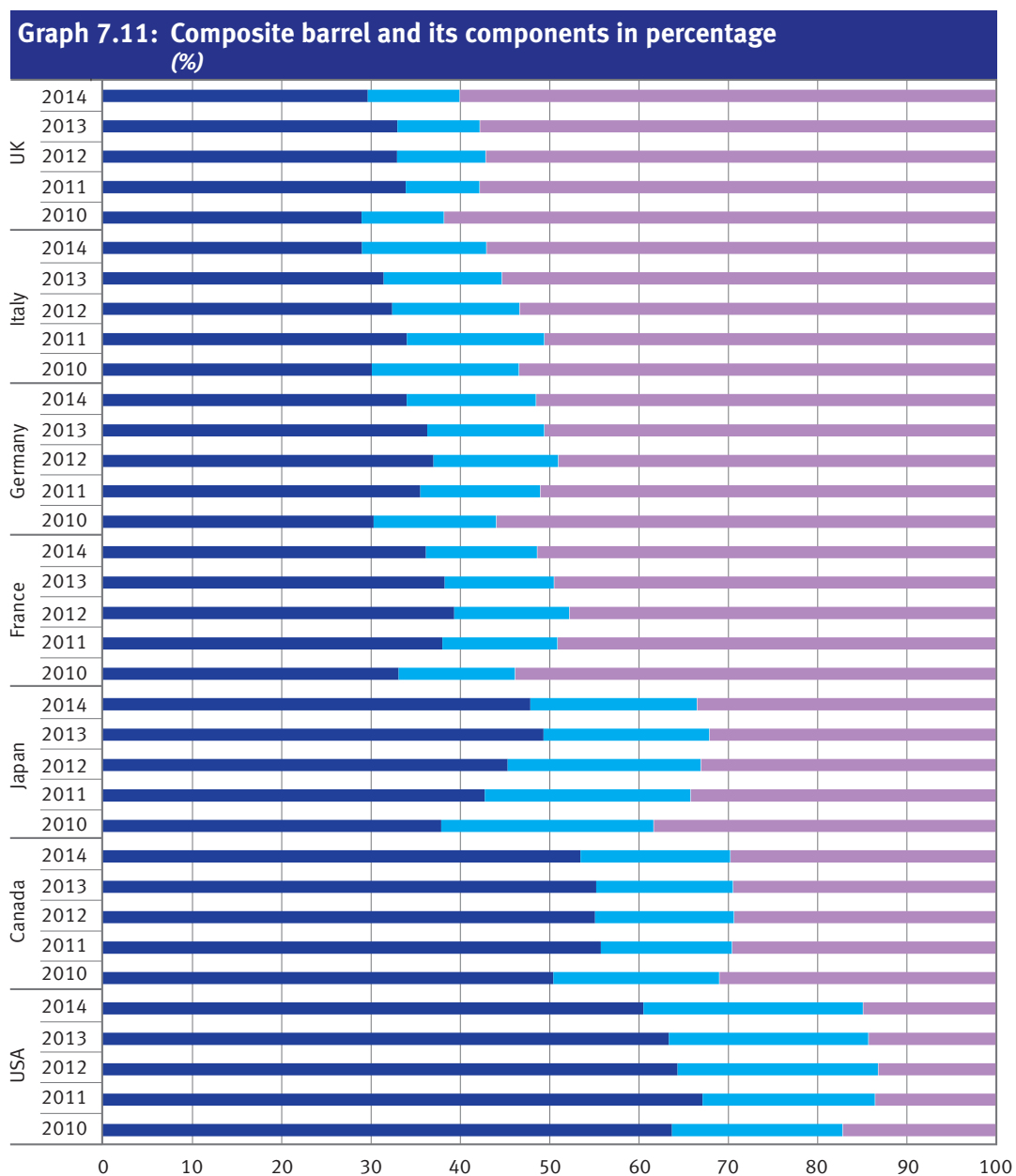
Table 7.7

Oil prices

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

	2010			2011			2012			2013			2014		
	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y	\$/b	% share	% change y-o-y
United States															
Composite barrel	119.2		18.8	152.4		27.8	157.1		3.1	153.3		-2.4	147.6		-3.7
Crude cif price	76.0	63.8	29.2	102.4	67.2	34.7	101.2	64.4	-1.2	97.3	63.4	-3.9	89.4	60.6	-8.0
Tax	20.4	17.1	0.2	20.6	13.5	0.8	20.7	13.1	0.5	21.8	14.2	5.6	21.9	14.8	0.4
Industry margin	22.8	19.1	7.7	29.4	19.3	29.0	35.3	22.5	19.9	34.3	22.4	-2.8	36.3	24.6	5.9
Canada															
Composite barrel	156.7		21.5	198.6		26.7	200.6		1.0	196.5		-2.0	184.2		-6.2
Crude cif price	79.1	50.5	31.3	110.8	55.8	40.0	110.6	55.2	-0.2	108.6	55.3	-1.8	98.6	53.5	-9.2
Tax	48.5	31.0	21.1	58.6	29.5	20.8	58.8	29.3	0.3	57.8	29.4	-1.7	54.7	29.7	-5.3
Industry margin	29.1	18.6	1.6	29.2	14.7	0.3	31.2	15.6	6.9	30.1	15.3	-3.6	30.9	16.8	2.6
Japan															
Composite barrel	209.5		18.6	255.4		21.9	253.0		-1.0	224.0		-11.4	217.5		-2.9
Crude cif price	79.4	37.9	29.6	109.3	42.8	37.6	114.8	45.4	5.0	110.6	49.4	-3.6	104.2	47.9	-5.8
Tax	80.2	38.3	9.4	87.3	34.2	8.8	83.5	33.0	-4.3	71.8	32.1	-14.0	72.8	33.4	1.3
Industry margin	49.8	23.8	18.7	58.9	23.1	18.2	54.7	21.6	-7.1	41.6	18.6	-24.0	40.6	18.7	-2.4
France															
Composite barrel	240.9		9.0	293.9		22.0	284.5		-3.2	286.1		0.6	274.7		-4.0
Crude cif price	79.8	33.1	29.4	111.8	38.0	40.1	112.0	39.4	0.2	109.6	38.3	-2.2	99.4	36.2	-9.3
Tax	129.7	53.8	-0.5	144.3	49.1	11.3	135.9	47.8	-5.8	141.5	49.5	4.1	141.1	51.4	-0.3
Industry margin	31.4	13.1	8.5	37.8	12.9	20.4	36.6	12.9	-3.3	35.0	12.2	-4.3	34.2	12.4	-2.3
Germany															
Composite barrel	258.9		6.6	311.1		20.2	302.9		-2.6	301.6		-0.5	293.1		-2.8
Crude cif price	78.5	30.3	28.3	110.6	35.6	40.9	112.2	37.0	1.4	109.6	36.4	-2.3	99.8	34.0	-9.0
Tax	144.8	55.9	-1.6	158.7	51.0	9.6	148.4	49.0	-6.5	152.5	50.6	2.7	150.9	51.5	-1.0
Industry margin	35.5	13.7	3.2	41.7	13.4	17.4	42.3	14.0	1.4	39.5	13.1	-6.7	42.4	14.5	7.6
Italy															
Composite barrel	263.2		7.0	323.7		23.0	346.1		6.9	349.5		1.0	341.4		-2.3
Crude cif price	79.3	30.1	30.6	110.2	34.1	39.0	112.2	32.4	1.8	110.0	31.5	-2.0	99.1	29.0	-9.9
Tax	140.6	53.4	-1.3	163.6	50.5	16.4	184.6	53.3	12.8	193.4	55.3	4.8	194.8	57.1	0.7
Industry margin	43.3	16.5	0.9	49.8	15.4	15.0	49.4	14.3	-0.9	46.2	13.2	-6.4	47.6	13.9	3.0
United Kingdom															
Composite barrel	278.0		15.9	334.5		20.3	341.6		2.1	334.1		-2.2	337.2		0.9
Crude cif price	80.6	29.0	29.2	113.5	33.9	40.8	112.6	33.0	-0.8	110.3	33.0	-2.1	100.1	29.7	-9.3
Tax	171.8	61.8	10.4	193.4	57.8	12.5	195.2	57.1	0.9	193.1	57.8	-1.1	202.5	60.1	4.9
Industry margin	25.6	9.2	17.8	27.7	8.3	8.3	33.8	9.9	22.1	30.8	9.2	-9.0	34.6	10.3	12.6
G7															
Composite barrel	218.0		12.6	267.1		22.5	269.4		0.9	263.6		-2.2	256.5		-2.7
Crude cif price	79.0	36.2	29.7	109.8	41.1	39.1	110.8	41.1	0.9	108.0	41.0	-2.5	98.6	38.5	-8.6
Tax	105.1	48.2	3.8	118.1	44.2	12.3	118.1	43.9	0.1	118.8	45.1	0.6	119.8	46.7	0.8
Industry margin	33.9	15.6	8.1	39.2	14.7	15.6	40.5	15.0	3.2	36.8	13.9	-9.1	38.1	14.8	3.6







SECTION 8

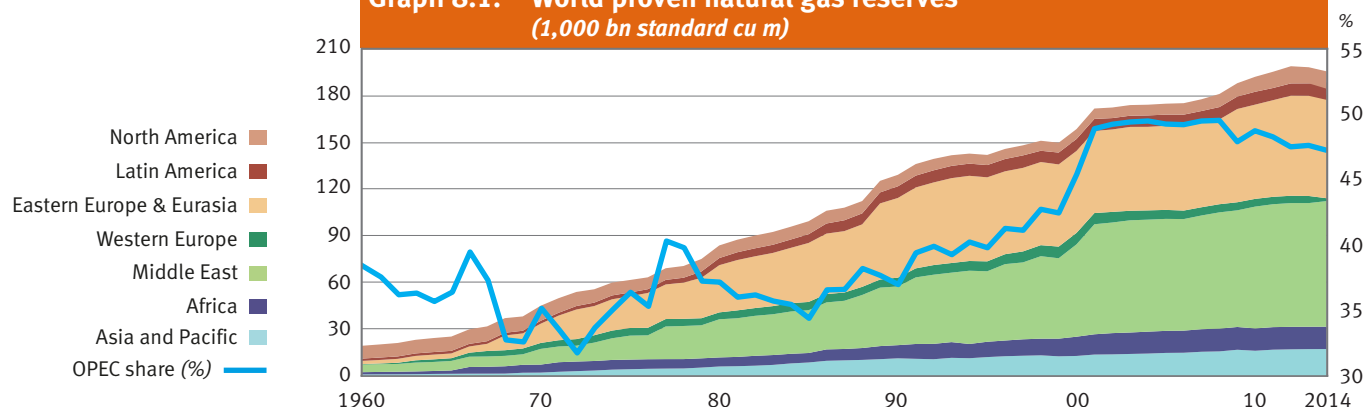
Natural gas data

Table 8.1**Natural gas data**World proven natural gas reserves by country (*bn standard cu m*)

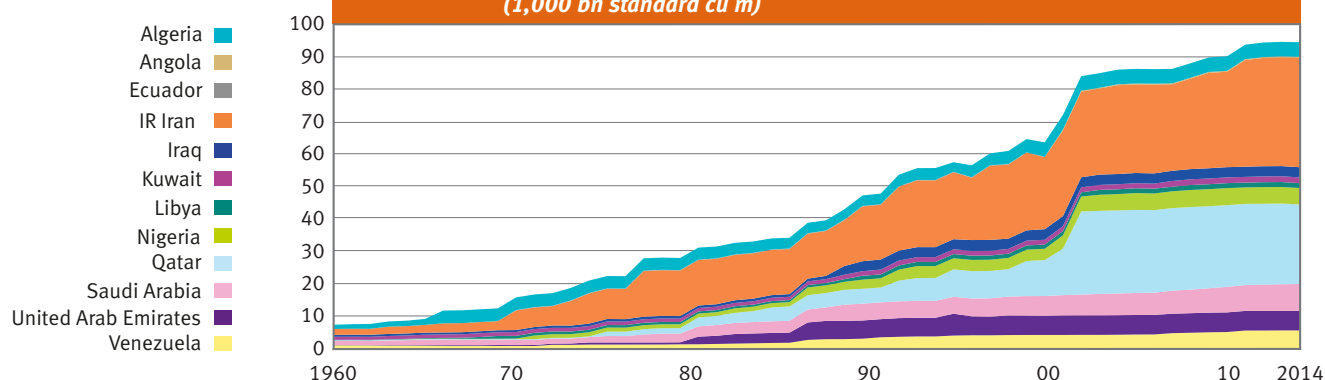
	2010	2011	2012	2013	2014	% change 14/13
North America	9,700.6	10,524.2	11,121.0	10,423.8	11,607.8	11.4
Canada	1,983.0	1,897.0	1,660.0	1,700.0	2,028.0	19.3
United States	7,717.6	8,627.2	9,461.0	8,723.8	9,579.8	9.8
Latin America	8,325.0	7,886.4	7,947.4	8,061.0	8,009.9	-0.6
Argentina	379.0	359.0	333.0	316.0	295.0	-6.6
Bolivia	695.0	281.0	281.0	317.0	296.0	-6.6
Brazil	358.0	417.0	460.0	459.0	458.0	-0.2
Chile	45.0	43.0	41.0	41.0	40.0	-2.4
Colombia	134.0	153.0	155.0	162.0	156.0	-3.7
Ecuador	8.0	6.4	6.4	6.0	10.9	81.5
Mexico	339.0	349.0	360.0	360.0	347.0	-3.6
Peru	345.0	353.0	359.0	435.0	425.0	-2.3
Trinidad & Tobago	480.0	381.0	375.0	371.0	352.0	-5.1
Venezuela	5,525.0	5,528.0	5,563.0	5,581.0	5,617.0	0.6
Others	17.0	16.0	14.0	13.0	13.0	-
Eastern Europe and Eurasia	61,034.0	62,582.0	64,805.0	64,867.0	65,519.0	1.0
Armenia	18.0	18.0	18.0	18.0	18.0	-
Azerbaijan	1,310.0	1,317.0	1,317.0	1,308.0	1,300.0	-0.6
Kazakhstan	1,950.0	1,913.0	1,950.0	1,939.0	1,929.0	-0.5
Poland	98.0	71.0	69.0	73.0	69.0	-5.5
Romania	606.0	595.0	109.0	119.0	113.0	-5.0
Russia	46,000.0	46,000.0	48,676.0	48,810.0	49,541.0	1.5
Turkmenistan	8,340.0	10,000.0	10,000.0	9,967.0	9,934.0	-0.3
Ukraine	990.0	969.0	969.0	960.0	952.0	-0.8
Uzbekistan	1,682.0	1,661.0	1,661.0	1,635.0	1,632.0	-0.2
Others	40.0	38.0	36.0	38.0	31.0	-18.4
Western Europe	5,001.0	4,799.0	4,739.0	4,604.0	4,457.0	-3.2
Denmark	105.0	101.0	95.0	91.0	90.0	-1.1
Germany	98.0	87.0	80.0	71.0	63.0	-11.3
Italy	64.0	66.0	62.0	59.0	56.0	-5.1
Netherlands	1,247.0	1,161.0	1,230.0	1,131.0	1,044.0	-7.7
Norway	2,819.0	2,762.0	2,685.0	2,687.0	2,654.0	-1.2
United Kingdom	564.0	520.0	481.0	461.0	452.0	-2.0
Others	104.0	102.0	106.0	104.0	98.0	-5.8
Middle East	78,889.0	79,581.0	80,131.0	80,065.0	80,109.2	0.1
IR Iran	33,090.0	33,620.0	33,780.0	34,020.0	34,020.0	-
Iraq	3,158.0	3,158.0	3,158.0	3,158.0	3,158.0	-
Kuwait	1,784.0	1,784.0	1,784.0	1,784.0	1,784.0	-
Oman	610.0	610.0	950.0	950.0	950.0	-
Qatar	25,201.0	25,110.0	25,069.0	24,681.0	24,531.3	-0.6
Saudi Arabia	8,016.0	8,151.0	8,235.0	8,317.0	8,488.9	2.1
United Arab Emirates	6,091.0	6,091.0	6,091.0	6,091.0	6,091.0	-
Others	939.0	1,057.0	1,064.0	1,064.0	1,086.0	2.1
Africa	14,462.5	14,597.0	14,569.0	14,498.0	14,494.0	-
Algeria	4,504.0	4,504.0	4,504.0	4,504.0	4,504.0	-
Angola	275.0	275.0	275.0	275.0	308.1	12.0
Cameroon	157.0	155.0	153.0	151.0	150.0	-0.7
Congo	130.0	127.0	124.0	121.0	115.0	-5.0
Egypt	2,185.0	2,210.0	2,190.0	2,185.0	2,167.0	-0.8
Libya	1,495.0	1,547.0	1,549.0	1,506.0	1,504.9	-0.1
Nigeria	5,110.0	5,154.0	5,118.0	5,111.0	5,111.0	-
Others	606.5	625.0	656.0	645.0	634.0	-1.7
Asia and Pacific	15,827.0	16,526.0	16,757.0	16,891.0	16,943.0	0.3
Bangladesh	364.0	354.0	474.0	458.0	439.0	-4.1
Brunei	309.0	301.0	288.0	276.0	270.0	-2.2
China	2,751.0	2,853.0	3,051.0	3,200.0	3,275.0	2.3
India	1,149.0	1,278.0	1,331.0	1,330.0	1,355.0	1.9
Indonesia	2,960.0	2,963.0	2,925.0	2,954.0	2,908.0	-1.6
Malaysia	2,362.0	2,328.0	2,389.0	2,550.0	2,611.0	2.4
Myanmar	510.0	522.0	509.0	496.0	485.0	-2.2
Pakistan	818.0	810.0	766.0	723.0	749.0	3.6
Thailand	360.0	300.0	285.0	256.0	242.0	-5.5
Vietnam	215.0	288.0	224.0	220.0	216.0	-1.8
Australia	3,225.0	3,759.0	3,730.0	3,650.0	3,621.0	-0.8
Others	804.0	770.0	785.0	778.0	772.0	-0.8
Total world	193,239.1	196,495.5	200,069.3	199,409.8	201,139.9	0.9
<i>of which</i>						
OPEC	94,257.0	94,928.4	95,132.4	95,034.0	95,129.1	0.1
<i>OPEC percentage</i>	<i>48.8</i>	<i>48.3</i>	<i>47.5</i>	<i>47.7</i>	<i>47.3</i>	
OECD	18,581.6	19,829.2	20,328.0	19,419.8	20,423.8	5.2
FSU	60,295.0	61,883.0	64,596.0	64,642.0	65,311.0	1.0

Notes: Figures as at year-end.

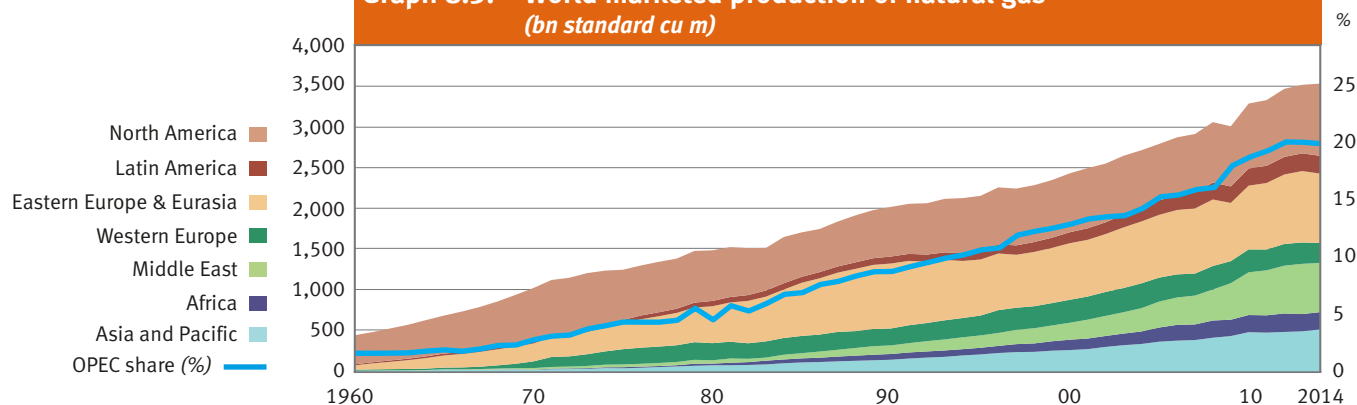
Graph 8.1: World proven natural gas reserves
(1,000 bn standard cu m)



Graph 8.2: OPEC Members' proven natural gas reserves
(1,000 bn standard cu m)



Graph 8.3: World marketed production of natural gas
(bn standard cu m)



Graph 8.4: OPEC Members' marketed production of natural gas
(bn standard cu m)

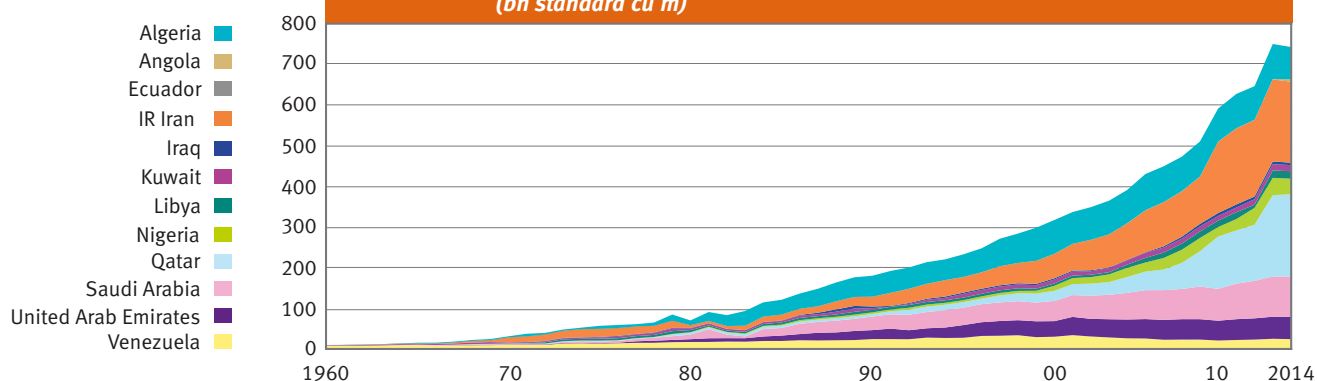


Table 8.2**Natural gas data****Natural gas production in OPEC Members (*m standard cu m*)**

	2010	2011	2012	2013	2014	% change 14/13
Algeria						
Gross production	192,208.0	190,127.0	182,599.0	179,489.6	186,724.0	4.0
Marketed production	84,615.0	82,767.0	86,454.0	79,647.3	83,295.6	4.6
Flaring	4,997.0	3,604.0	3,495.0	3,661.4	3,947.8	7.8
Reinjection	89,080.0	88,745.0	77,375.0	76,240.9	81,210.0	6.5
Shrinkage	13,516.0	15,011.0	15,275.0	19,940.0	18,270.6	-8.4
Angola						
Gross production	10,320.0	10,733.0	10,847.2	10,760.2	10,450.2	-2.9
Marketed production	733.0	752.0	760.0	925.0	732.2	-20.8
Flaring	7,042.0	7,183.0	7,259.4	7,001.2	6,993.7	-0.1
Reinjection	2,363.0	2,599.0	2,626.6	2,579.5	2,530.5	-1.9
Shrinkage	181.0	199.0	201.1	254.0	193.8	-23.7
Ecuador						
Gross production	1,403.0	1,337.0	1,541.0	1,628.0	1,762.6	8.3
Marketed production	330.0	241.0	517.0	515.0	577.9	12.2
Flaring	493.0	539.0	512.0	579.0	622.7	7.5
Reinjection	—	—	—	—	—	—
Shrinkage	580.0	557.0	512.0	534.0	562.0	5.2
IR Iran						
Gross production	220,123.0	224,122.0	231,332.0	228,887.0	244,551.0	6.8
Marketed production	187,357.0	188,753.0	202,431.0	199,293.0	212,796.0	6.8
Flaring	—	—	—	—	—	—
Reinjection	32,766.0	35,369.0	28,901.0	29,594.0	31,755.0	7.3
Shrinkage	—	—	—	—	—	—
Iraq						
Gross production	16,885.0	18,691.0	20,496.0	21,390.1	21,853.1	2.2
Marketed production	1,303.0	876.0	646.0	1,179.0	904.4	-23.3
Flaring	7,573.0	9,612.0	11,975.0	12,431.8	12,871.4	3.5
Reinjection	809.0	968.0	875.0	335.0	150.1	-55.2
Shrinkage	7,200.0	7,235.0	7,000.0	7,444.4	7,927.2	6.5
Kuwait						
Gross production	11,950.0	13,750.0	15,742.0	16,529.2	15,249.8	-7.7
Marketed production	11,733.0	13,533.0	15,515.0	16,311.2	15,028.8	-7.9
Flaring	217.0	217.0	227.0	218.0	221.0	1.4
Reinjection	—	—	—	—	—	—
Shrinkage	—	—	—	—	—	—
Libya						
Gross production	30,257.0	9,861.0	23,436.0	22,873.7	21,016.2	-8.1
Marketed production	16,814.0	7,855.0	18,118.0	18,462.6	16,523.3	-10.5

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

	2010	2011	2012	2013	2014	% change 14/13
Libya (cont'd)						
Flaring	3,483.0	1,302.0	3,922.0	3,248.0	4,485.6	38.1
Reinjection	3,400.0	704.0	1,396.0	1,148.0	7.3	-99.4
Shrinkage	6,560.0	—	—	15.1	—	-100.0
Nigeria						
Gross production	71,758.0	84,004.0	84,846.0	79,626.0	86,325.2	8.4
Marketed production	28,099.0	41,323.0	42,571.0	38,411.0	43,841.6	14.1
Flaring	15,294.0	14,270.0	13,182.0	12,112.0	10,736.8	-11.4
Reinjection	21,286.0	22,519.0	20,520.0	21,466.0	22,894.3	6.7
Shrinkage	7,079.0	5,892.0	8,573.0	7,637.0	8,852.6	15.9
Qatar						
Gross production	136,250.0	150,016.4	163,025.3	183,698.0	180,024.1	-2.0
Marketed production	131,165.0	145,271.4	157,049.6	177,602.0	174,056.7	-2.0
Flaring	1,023.0	558.0	702.7	740.6	709.3	-4.2
Reinjection	2,067.0	2,109.0	2,656.0	2,705.7	2,651.0	-2.0
Shrinkage	1,995.0	2,078.0	2,617.0	2,650.1	2,607.0	-1.6
Saudi Arabia						
Gross production	97,030.0	102,430.0	111,220.0	114,120.0	116,720.0	2.3
Marketed production	87,660.0	92,260.0	99,330.0	100,030.0	102,380.0	2.3
Flaring	—	—	—	—	10.0	100.0
Reinjection	60.0	30.0	10.0	20.0	10.0	-50.0
Shrinkage	9,310.0	10,140.0	11,880.0	14,070.0	14,320.0	1.8
United Arab Emirates						
Gross production	79,778.0	82,460.0	82,500.0	83,796.0	83,706.1	-0.1
Marketed production	51,282.0	52,308.0	54,300.0	54,600.0	54,244.6	-0.7
Flaring	972.0	982.0	1,020.0	1,021.0	1,017.2	-0.4
Reinjection	22,406.0	23,974.0	22,390.0	23,182.0	23,403.6	1.0
Shrinkage	5,118.0	5,196.0	4,790.0	4,993.0	5,040.7	1.0
Venezuela						
Gross production	71,075.0	73,274.0	75,968.0	76,440.1	76,717.0	0.4
Marketed production	19,728.0	20,769.0	22,726.0	21,819.8	21,878.0	0.3
Flaring	6,680.0	9,284.0	11,347.0	13,724.6	15,319.0	11.6
Reinjection	30,390.0	29,827.0	29,756.0	28,770.0	27,034.0	-6.0
Shrinkage	14,277.0	13,394.0	12,139.0	12,125.8	12,486.0	3.0
OPEC						
Gross production	939,037.0	960,805.4	1,003,552.5	1,019,237.9	1,045,099.3	2.5
Marketed production	620,819.0	646,708.4	700,417.6	708,795.8	726,259.1	2.5
Flaring	47,774.0	47,551.0	53,642.1	54,737.6	56,934.5	4.0
Reinjection	204,627.0	206,844.0	186,505.7	186,041.1	191,645.8	3.0
Shrinkage	65,816.0	59,702.0	62,987.1	69,663.3	70,259.9	0.9

Table 8.3**Natural gas data**World marketed production of natural gas by country (*m standard cu m*)

	2010	2011	2012	2013	2014	% change 14/13
North America	800,612.0	809,923.0	839,521.0	845,193.0	890,803.0	5.4
Canada	144,537.0	159,714.0	156,547.0	156,068.0	161,274.0	3.3
United States	656,075.0	650,209.0	682,974.0	689,125.0	729,529.0	5.9
Latin America	211,156.6	212,118.4	216,357.4	218,057.3	218,433.9	0.2
Argentina	40,100.0	38,770.0	37,640.0	36,887.2	36,850.3	-0.1
Bolivia	14,370.0	15,720.0	17,910.0	20,480.0	21,094.4	3.0
Brazil	12,603.6	14,576.4	16,976.4	19,029.2	20,353.3	7.0
Colombia	11,300.0	10,950.0	10,200.0	10,200.0	9,996.0	-2.0
Ecuador	330.0	241.0	517.0	515.0	577.9	12.2
Mexico	59,067.0	55,230.0	53,713.0	52,423.0	50,510.0	-3.6
Peru	7,200.0	11,400.0	11,850.0	11,633.1	12,925.7	11.1
Trinidad & Tobago	44,180.0	42,309.0	42,609.0	42,846.9	42,061.3	-1.8
Venezuela	19,728.0	20,769.0	22,726.0	21,819.8	21,878.0	0.3
Others	2,278.0	2,153.0	2,216.0	2,223.0	2,186.9	-1.6
Eastern Europe and Eurasia	786,343.0	819,429.0	856,649.0	880,696.0	855,477.8	-2.9
Azerbaijan	18,220.0	15,350.0	17,236.0	17,851.0	18,633.0	4.4
Hungary	2,490.0	2,730.0	2,462.0	2,001.0	1,854.0	-7.3
Kazakhstan	17,580.0	19,050.0	19,490.0	20,400.0	20,808.0	2.0
Poland	4,240.0	4,150.0	6,193.0	6,206.0	6,081.0	-2.0
Romania	10,470.0	10,707.0	10,979.0	11,017.0	11,186.0	1.5
Russia	610,090.0	628,140.0	656,286.0	671,546.0	642,917.0	-4.3
Turkmenistan	41,610.0	60,950.0	66,000.0	72,000.0	74,160.0	3.0
Ukraine	19,000.0	18,810.0	18,600.0	20,280.0	19,827.8	-2.2
Uzbekistan	61,960.0	58,850.0	58,700.0	58,700.0	59,287.0	1.0
Others	683.0	692.0	703.0	695.0	724.0	4.2
Western Europe	281,728.0	257,314.0	267,735.0	263,187.0	246,211.7	-6.4
Austria	1,630.0	1,770.0	1,910.0	1,370.0	1,247.0	-9.0
Croatia	1,523.0	1,504.0	1,913.0	1,771.0	1,716.0	-3.1
Denmark	8,171.0	6,591.0	5,725.0	4,846.0	4,613.0	-4.8
France	718.0	839.0	508.0	323.0	290.7	-10.0
Germany	12,710.0	11,600.0	12,299.0	11,886.0	10,191.0	-14.3
Ireland	388.0	356.0	373.0	343.0	373.0	8.7
Italy	8,300.0	8,260.0	8,605.0	7,734.0	7,147.0	-7.6
Netherlands	85,168.0	80,574.0	80,145.0	86,401.0	70,190.0	-18.8
Norway	106,350.0	101,420.0	114,055.0	109,040.0	111,014.0	1.8
United Kingdom	56,300.0	43,780.0	40,989.0	38,360.0	38,410.0	0.1
Others	470.0	620.0	1,213.0	1,113.0	1,020.0	-8.4
Middle East	527,306.0	554,536.4	589,584.6	619,285.2	625,847.9	1.1
Bahrain	12,770.0	12,620.0	13,740.0	17,220.0	17,564.4	2.0
IR Iran	187,357.0	188,753.0	202,431.0	199,293.0	212,796.0	6.8
Iraq	1,303.0	876.0	646.0	1,179.0	904.4	-23.3
Kuwait	11,733.0	13,533.0	15,515.0	16,311.2	15,028.8	-7.9

Table 8.3
Natural gas data

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

	2010	2011	2012	2013	2014	% change 14/13
Middle East (cont'd)						
Oman	27,086.0	28,595.0	31,583.0	32,620.0	30,897.0	-5.3
Qatar	131,165.0	145,271.4	157,049.6	177,602.0	174,056.7	-2.0
Saudi Arabia	87,660.0	92,260.0	99,330.0	100,030.0	102,380.0	2.3
Syrian Arab Republic	8,940.0	7,870.0	5,800.0	5,300.0	2,650.0	-50.0
United Arab Emirates	51,282.0	52,308.0	54,300.0	54,600.0	54,244.6	-0.7
Others	8,010.0	12,450.0	9,190.0	15,130.0	15,326.0	1.3
Africa	211,492.0	213,362.0	227,950.0	212,792.5	212,341.7	-0.2
Algeria	84,615.0	82,767.0	86,454.0	79,647.3	83,295.6	4.6
Angola	733.0	752.0	760.0	925.0	732.2	-20.8
Egypt	61,330.0	61,260.0	60,717.0	56,181.0	48,791.0	-13.2
Equatorial Guinea	6,136.0	6,235.0	6,500.0	6,290.3	6,604.9	5.0
Côte d'Ivoire	1,352.0	1,317.0	1,317.0	1,328.7	1,320.9	-0.6
Libya	16,814.0	7,855.0	18,118.0	18,462.6	16,523.3	-10.5
Mozambique	3,744.0	3,548.0	3,600.0	3,630.7	3,703.3	2.0
Nigeria	28,099.0	41,323.0	42,571.0	38,411.0	43,841.6	14.1
South Africa	3,744.0	3,531.0	3,200.0	3,200.0	3,040.0	-5.0
Tunisia	2,995.0	2,844.0	2,783.0	2,786.0	2,561.0	-8.1
Others	1,930.0	1,930.0	1,930.0	1,930.0	1,928.0	-0.1
Asia Pacific	482,068.0	476,623.0	484,877.0	492,626.0	517,133.4	5.0
Australia	49,260.0	46,970.0	49,940.0	51,690.0	53,771.0	4.0
Bangladesh	20,100.0	20,100.0	21,820.0	22,860.0	23,317.2	2.0
Brunei	11,800.0	12,440.0	11,830.0	12,206.0	11,852.0	-2.9
China	94,848.0	102,689.0	106,429.0	111,640.0	128,481.0	15.1
India	52,800.0	47,600.0	41,000.0	34,500.0	33,130.0	-4.0
Indonesia	82,600.0	76,250.0	74,200.0	76,000.0	76,796.0	1.0
Japan	3,397.0	4,350.0	4,845.0	4,875.0	4,954.0	1.6
Malaysia	61,210.0	61,700.0	62,000.0	64,000.0	65,421.0	2.2
Myanmar	12,100.0	12,013.0	11,970.0	13,541.0	15,203.0	12.3
New Zealand	4,829.0	4,374.0	4,646.0	4,866.0	5,177.0	6.4
Pakistan	39,630.0	39,150.0	41,460.0	39,400.0	42,031.6	6.7
Philippines	3,245.0	3,092.0	3,916.0	3,496.0	3,662.0	4.7
Thailand	36,293.0	37,016.0	41,393.0	41,956.0	42,147.0	0.5
Vietnam	8,610.0	7,700.0	8,200.0	10,872.0	10,654.6	-2.0
Others	1,346.0	1,179.0	1,228.0	724.0	536.0	-26.0
Total world	3,300,705.6	3,343,305.8	3,482,673.9	3,531,837.0	3,566,249.3	1.0
<i>of which</i>						
OPEC	620,819.0	646,708.4	700,417.6	708,795.8	726,259.1	2.5
<i>OPEC percentage</i>	<i>18.8</i>	<i>19.3</i>	<i>20.1</i>	<i>20.1</i>	<i>20.4</i>	
OECD	1,206,066.0	1,185,310.0	1,229,129.0	1,229,891.0	1,258,697.7	2.3
FSU	768,803.0	801,502.0	836,660.0	861,135.0	835,983.8	-2.9

Table 8.4**Natural gas data**World natural gas exports by country (*m standard cu m*)

	2010	2011	2012	2013	2014	% change 14/13
North America	125,806.0	130,891.0	134,129.0	126,372.0	122,667.0	-2.9
Canada	93,611.0	88,210.0	88,290.0	81,931.0	79,317.0	-3.2
United States	32,195.0	42,681.0	45,839.0	44,441.0	43,350.0	-2.5
Latin America	35,980.0	38,980.0	39,280.0	42,942.7	43,457.7	1.2
Argentina	420.0	200.0	100.0	70.0	70.0	-
Bolivia	11,650.0	13,320.0	14,540.0	17,600.0	17,864.0	1.5
Colombia	2,180.0	2,110.0	1,840.0	2,100.0	2,163.0	3.0
Mexico	850.0	80.0	10.0	30.0	30.0	-
Trinidad & Tobago	19,140.0	17,630.0	17,700.0	17,900.0	17,721.0	-1.0
Others	1,740.0	5,640.0	5,090.0	5,242.7	5,609.7	7.0
Eastern Europe and Eurasia	283,020.0	297,320.0	270,530.0	295,809.0	272,096.9	-8.0
Azerbaijan	5,500.0	5,610.0	6,100.0	7,009.0	7,709.9	10.0
Kazakhstan	1,200.0	12,600.0	10,930.0	11,200.0	11,536.0	3.0
Russia	228,650.0	227,100.0	207,000.0	222,800.0	195,175.0	-12.4
Turkmenistan	30,740.0	36,860.0	34,700.0	42,800.0	45,796.0	7.0
Uzbekistan	16,930.0	15,150.0	11,800.0	12,000.0	11,880.0	-1.0
Western Europe	206,888.0	200,863.0	218,770.0	220,339.0	222,219.1	0.9
Austria	5,439.0	4,704.0	4,234.0	4,234.0	4,022.3	-5.0
Belgium	7,350.0	9,350.0	9,540.0	13,140.0	12,483.0	-5.0
Denmark	3,520.0	3,127.0	2,983.0	2,236.0	2,085.0	-6.8
France	2,945.0	6,483.0	5,994.0	5,027.0	5,479.4	9.0
Germany	15,730.0	11,520.0	12,240.0	13,140.0	14,716.8	12.0
Italy	137.0	373.0	324.0	226.0	237.0	4.9
Netherlands	53,300.0	50,410.0	54,510.0	59,500.0	58,661.0	-1.4
Norway	100,600.0	95,077.0	111,928.0	106,596.0	106,759.0	0.2
Spain	1,152.0	3,098.0	4,414.0	5,832.0	6,298.6	8.0
United Kingdom	16,055.0	15,960.0	11,971.0	9,754.0	10,844.0	11.2
Others	660.0	761.0	632.0	654.0	633.0	-3.2
Middle East	148,716.0	158,115.0	158,142.3	167,929.2	165,834.0	-1.2
IR Iran	8,429.0	9,114.0	9,152.0	9,307.0	8,360.0	-10.2
Oman	11,450.0	10,930.0	10,870.0	11,400.0	10,830.0	-5.0
Qatar	107,437.0	113,551.0	115,668.0	122,874.0	122,628.3	-0.2
United Arab Emirates	16,110.0	15,770.0	15,612.3	15,456.2	15,301.6	-1.0
Yemen	5,290.0	8,750.0	6,840.0	8,892.0	8,714.2	-2.0
Africa	114,349.0	100,704.0	104,865.0	92,688.0	91,362.0	-1.4
Algeria	57,359.0	52,017.0	54,594.0	46,708.0	44,190.0	-5.4
Angola	0.0	0.0	0.0	517.0	0.0	-100.0
Egypt	15,170.0	10,520.0	7,460.0	7,087.0	6,732.7	-5.0
Equatorial Guinea	5,160.0	5,260.0	4,720.0	4,720.0	4,956.0	5.0
Libya	9,970.0	3,666.0	6,225.0	5,513.0	4,961.7	-10.0
Mozambique	3,040.0	3,300.0	3,600.0	3,600.0	3,744.0	4.0
Nigeria	23,650.0	25,941.0	28,266.0	24,543.0	26,777.7	9.1
Asia and Pacific	116,230.0	114,670.0	112,290.0	115,974.0	119,513.8	3.1
Australia	25,350.0	25,240.0	27,410.0	29,550.0	32,390.0	9.6
Brunei	8,830.0	9,420.0	8,880.0	9,324.0	9,790.2	5.0
Indonesia	41,250.0	38,870.0	34,730.0	32,800.0	32,144.0	-2.0
Malaysia	31,990.0	32,570.0	32,800.0	35,400.0	35,399.6	0.0
Myanmar	8,810.0	8,570.0	8,470.0	8,900.0	9,790.0	10.0
Total world	1,030,989.0	1,041,543.0	1,038,006.3	1,062,053.9	1,037,150.6	-2.3
<i>of which</i>						
OPEC	222,955.0	220,059.0	229,517.3	224,918.2	222,219.2	-1.2
<i>OPEC percentage</i>	<i>21.6</i>	<i>21.1</i>	<i>22.1</i>	<i>21.2</i>	<i>21.4</i>	
OECD	358,894.0	357,074.0	380,319.0	376,291.0	377,306.1	0.3
FSU	283,020.0	297,320.0	270,530.0	295,809.0	272,096.9	-8.0

Table 8.5
Natural gas data

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

	2010	2011	2012	2013	2014	% change 14/13
North America	128,562.4	127,975.4	120,165.0	108,272.0	98,486.0	-9.0
Canada	22,622.0	29,740.0	31,312.0	26,622.0	22,158.0	-16.8
United States	105,940.4	98,235.4	88,853.0	81,650.0	76,328.0	-6.5
Latin America	37,868.0	43,531.0	52,784.0	54,997.7	56,854.6	3.4
Argentina	3,610.0	7,560.0	8,700.0	11,200.0	11,088.0	-1.0
Brazil	12,600.0	10,482.0	13,850.0	16,980.0	17,319.6	2.0
Chile	3,410.0	3,920.0	3,830.0	3,778.0	3,715.0	-1.7
Mexico	15,150.0	18,060.0	21,827.0	18,529.0	20,141.0	8.7
Venezuela	1,446.0	1,797.0	1,877.0	1,820.7	1,838.9	1.0
Others	1,652.0	1,712.0	2,700.0	2,690.0	2,752.1	2.3
Eastern Europe and Eurasia	145,874.0	155,153.0	136,650.0	130,987.0	124,628.3	-4.9
Armenia	1,750.0	1,873.0	1,900.0	1,900.0	1,909.5	0.5
Belarus	21,600.0	21,850.0	20,252.0	20,260.0	20,052.0	-1.0
Bulgaria	2,160.0	2,640.0	2,540.0	2,768.0	2,765.0	-0.1
Czech Republic	11,140.0	11,280.0	7,398.0	8,478.0	10,173.6	20.0
Hungary	7,510.0	6,910.0	6,080.0	6,130.0	6,313.9	3.0
Kazakhstan	6,690.0	6,590.0	6,500.0	6,500.0	6,695.0	3.0
Latvia	660.0	1,550.0	1,050.0	1,060.0	954.0	-10.0
Lithuania	2,630.0	3,000.0	2,450.0	2,450.0	2,609.0	6.5
Moldova	2,920.0	2,900.0	2,900.0	2,900.0	2,900.0	-
Poland	10,150.0	11,170.0	11,270.0	12,690.0	12,423.5	-2.1
Romania	2,150.0	2,650.0	2,000.0	1,100.0	880.0	-20.0
Russia	34,389.0	33,110.0	33,770.0	28,010.0	29,130.4	4.0
Slovak Republic	6,425.0	5,830.0	5,000.0	5,100.0	5,100.0	-
Tadzhikistan	700.0	700.0	700.0	700.0	700.0	-
Ukraine	34,250.0	42,000.0	30,890.0	28,023.0	19,133.0	-31.7
Others	750.0	1,100.0	1,950.0	2,918.0	2,889.4	-1.0
Western Europe	428,413.0	420,404.0	416,851.0	416,593.0	416,634.0	0.0
Austria	7,530.0	9,780.0	7,810.0	6,390.0	7,668.0	20.0
Belgium	31,330.0	29,920.0	28,580.0	32,080.0	30,476.0	-5.0
Bosnia/Herzegovina	210.0	260.0	240.0	240.0	244.8	2.0
Croatia	1,170.0	820.0	1,340.0	1,340.0	1,089.0	-18.7
Finland	4,782.0	3,940.0	3,661.0	3,484.0	3,057.0	-12.3
France	46,199.0	47,320.0	47,708.0	47,873.0	45,134.0	-5.7
Germany	93,980.0	89,310.0	90,530.0	95,900.0	105,490.0	10.0
Greece	3,815.0	4,762.0	4,376.0	3,866.0	2,928.0	-24.3
Ireland	5,261.0	5,290.0	4,522.0	4,401.0	4,323.0	-1.8
Italy	75,348.0	69,930.0	67,802.0	61,953.0	55,758.0	-10.0
Luxembourg	1,366.0	1,250.0	1,206.0	1,028.0	973.0	-5.4
Netherlands	16,970.0	14,300.0	15,410.0	15,730.0	16,988.4	8.0
Portugal	5,109.0	5,000.0	4,904.0	4,884.0	4,453.0	-8.8
Serbia/Montenegro	1,933.0	1,878.0	2,240.0	2,240.0	2,242.2	0.1
Spain	36,716.0	35,520.0	36,754.0	35,399.0	36,383.0	2.8
Sweden	1,642.0	1,296.0	1,129.0	1,085.0	891.0	-17.9
Switzerland	3,165.0	3,190.0	3,333.0	3,736.0	4,109.6	10.0
Turkey	36,930.0	42,560.0	44,300.0	43,710.0	49,043.0	12.2
United Kingdom	53,850.0	52,838.0	49,100.0	48,944.0	43,405.0	-11.3
Others	1,107.0	1,240.0	1,906.0	2,310.0	1,978.0	-14.4
Middle East	41,047.5	44,674.0	38,809.0	38,997.0	37,586.0	-3.6
IR Iran	7,243.0	11,659.0	6,720.0	5,329.0	4,422.0	-17.0
Jordan	2,520.0	830.0	800.0	1,200.0	1,212.0	1.0
Kuwait	890.0	688.0	688.0	571.0	571.0	-
Oman	1,900.0	1,950.0	1,950.0	1,950.0	1,969.5	1.0
Syrian Arab Republic	690.0	552.0	350.0	350.0	175.0	-50.0
United Arab Emirates	25,704.5	28,275.0	28,201.0	29,047.0	28,756.5	-1.0
Others	2,100.0	720.0	100.0	550.0	480.0	-12.7
Africa	4,790.0	5,230.0	6,000.0	6,400.0	6,050.0	-5.5
Morocco	500.0	550.0	500.0	500.0	500.0	-
South Africa	3,040.0	3,300.0	3,600.0	3,700.0	3,130.0	-15.4
Tunisia	1,250.0	1,380.0	1,900.0	2,200.0	2,420.0	10.0
Asia and Pacific	212,122.0	241,180.0	271,762.0	293,486.0	295,500.4	0.7
China	16,350.0	30,490.0	39,700.0	51,800.0	55,944.0	8.0
India	12,150.0	16,390.0	17,900.0	17,100.0	17,098.3	-
Japan	98,015.0	104,000.0	122,243.0	122,489.0	123,908.0	1.2
South Korea	43,579.0	48,780.0	47,311.0	53,157.0	49,017.0	-7.8
Chinese Taipei	15,890.0	15,930.0	16,694.0	16,798.0	16,831.6	0.2
Thailand	8,810.0	9,580.0	9,844.0	10,472.0	10,592.0	1.1
Others	17,328.0	16,010.0	18,070.0	21,670.0	22,109.5	2.0
Total world	998,676.9	1,038,147.4	1,043,021.0	1,049,732.7	1,035,739.4	-1.3
<i>of which</i>						
OPEC	35,283.5	42,419.0	37,486.0	36,767.7	35,588.4	-3.2
<i>OPEC share</i>	<i>3.5</i>	<i>4.1</i>	<i>3.6</i>	<i>3.5</i>	<i>3.4</i>	
OECD	743,662.4	751,211.4	754,175.0	747,644.0	738,922.2	-1.2
FSU	106,339.0	114,673.0	102,362.0	94,721.0	86,972.3	-8.2

Table 8.6

Natural gas data

LNG carrier fleet in OPEC Members (1,000 cu m)

	2010		2011		2012		2013		2014	
	no	capacity	no	capacity	no	capacity	no	capacity	no	capacity
Algeria	9	1,067	9	1,067	9	1,057	9	1,073	9	1,073
Angola	–	–	3	249	3	263	3	263	3	263
Ecuador	–	–	–	–	–	–	–	–	–	–
IR Iran	–	–	–	–	–	–	–	–	–	–
Iraq	–	–	–	–	–	–	–	–	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–
Libya	–	–	–	–	–	–	–	–	–	–
Nigeria	24	3,346	24	3,346	24	3,346	24	3,346	13	1,738
Qatar	29	5,610	29	5,610	29	5,610	29	5,610	29	5,610
Saudi Arabia	–	–	–	–	–	–	–	–	–	–
United Arab Emirates	8	1,096	8	1,096	8	1,096	8	1,096	8	1,096
Venezuela	–	–	–	–	–	–	–	–	–	–
OPEC	70	11,119	73	11,368	73	11,372	73	11,388	62	9,780
Total world	335	47,229	360	51,535	372	53,015	371	53,088	385	55,215
<i>OPEC percentage</i>		<i>23.5</i>		<i>22.1</i>		<i>21.5</i>		<i>21.5</i>		<i>17.7</i>

Notes:

Figures as at year-end.

Table 8.7

World LNG carrier fleet by size and type (1,000 cu m)

	2010		2011		2012		2013		2014	
	no	capacity	no	capacity	no	capacity	no	capacity	no	capacity
up to 19,999	12	115	14	136	19	183	20	199	23	208
20,000–39,999	3	94	3	94	3	94	3	94	1	23
40,000–59,999	4	163	3	122	3	122	–	–	–	–
60,000–99,999	18	1,383	17	1,295	14	1,070	14	1,070	13	982
100,000 and over	298	45,474	323	49,888	333	51,546	334	51,725	348	54,002
Total world	335	47,229	360	51,535	372	53,015	371	53,088	385	55,215

Notes:

Figures as at year-end.

Main gas pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Algeria			
Alrar/Hassi R'Mel (3)	Sonatrach	2 x 597, 330	2 x 42, 48
Hassi R'Mel/Skikda — El Kala	Sonatrach	433	48
Hassi R'Mel/Skikda (2)	Sonatrach	2 x 357	2 x 42
Hassi R'Mel/O-Safsaf (3)	Sonatrach	3 x 341	48
Hassi R'Mel/El Aricha	Sonatrach	324	48
Hassi R'Mel/Arzew — Beni Saf	Sonatrach	321	48
Hassi R'Mel/Arzew (4)	Sonatrach	315, 316, 2 x 318	2 x 40, 24/22, 42
Hassi R'Mel/Bordj Menail	Sonatrach	272	42
Angola			
Blocks (14,15,17,18)/Soyo	Sonangás	310	18, 22, 24
Ecuador			
Amistad Platform (Offshore)/Bajo Alto	Petroamazonas EP	44	13
IR Iran			
Asaluyeh/Lushan	NIGC	734	33
Asaluyeh/Saveh	NIGC	712	56
Bid Boland/Qom/Qazvin/Rasht/Astara	NIGC	685	42/40
Kangan/Gazvin	NIGC	646	56
Asaluyeh/Iranshahr	NIGC	561	56
Asaluyeh/Naeen	NIGC	489	56
Tehran/Dasht-e-Shad	NIGC	327	42, 48
Asaluyeh/Agha Jari	NIGC	313	42
Asaluyeh/Bid Boland	NIGC	306	56
Saveh/Miandoab	NIGC	292	40, 48
Kangan/Pataveh	NIGC	262	56
Iraq			
Kirkuk/Taji	OPC	272	16
Baiji/Al-Qaiem	OPC	268	16
Rumaila/Nasiriyah PWR St	OPC	134	24
Baiji/Al-Mashriq	OPC	131	18
Kirkuk/Baiji	OPC	90	24
Trans-Iraqi Dry Gas Pipeline/Najaf PWR St	OPC	74	24
Al-Ahdeb/Al-Zubaydia PWR St	OPC	73	16
North Rumaila/Khor Al-Zubair	OPC	54	42
Khor Al-Zubair/Hartha PWR St	OPC	48	24
Strategic Pipeline/Hilla PWR St	OPC	45	16
Mishraq cross road/Mousil PWR St	OPC	38	12
Taji/South Baghdad PWR St	OPC	35	18
Trans-Iraqi dry gas pipeline/Daura PWR St	OPC	29	18
AGP connection/Hilla-2 PWR St	OPC	25	24
Strategic pipeline/Kabesa Cement	OPC	24	10
Strategic pipeline/Al-Najaf PWR St	OPC	23	16
Kirkuk/North Oil	OPC	20.8	18

Table 8.8**Natural gas data****Main gas pipelines in OPEC Members, 2014**

Connection from/to	Owner or operator	Length (<i>miles</i>)	Diameter (<i>inches</i>)
Kuwait			
Khafji offshore/Khafji onshore (2)	KJO	68	12, 42
Wafa/KOC booster station	WJO	38	18
Libya			
Brega/Al Khums	Sirte Oil	399.9	34
Mellitah/Gela (Italy)	Green Stream	335	32
Wafa/Mellitah (2)	Mellitha Oil & Gas	2 x 326	16, 32
Brega/Benghazi	Sirte Oil	152.52	34
Intisar/Zueitina	Zueitina	136.4	20
Intisar/Brega ¹	Zueitina	129	42
Nasser/Brega	Sirte Oil	107	36
Bu Attifel/Intisar (2)	Mellitha Oil & Gas, Eni Oil	2 x 82	34, 10
Tripoli/Mellitah ¹	Sirte Oil	71	34
Faregh/Intisar	Waha	68	24
Waha/Nasser	Waha	68	24
Al Khums/Tripoli ¹	Sirte Oil	68	34
Bahr es Salam/Mellitah (2)	Mellitha Oil & Gas	2 x 68	10, 36
Nasser/KM-81.5	Sirte Oil	57	30
KM-91.5/Brega (2)	Sirte Oil	2 x 57	16, 36
Raguba/KM-110	Sirte Oil	55	20
KM-81.5/Brega	Sirte Oil	51	30
Jakhira/Intisar (2)	Wintershall	2 x 50	8, 20
Intisar/Sahl	Sirte Oil	50	30
Sahl/KM-81.5	Sirte Oil	30	30
Attahaddy/KM-91.5 (2)	Sirte Oil	2 x 16	12, 30
Bouri offshore/Bahr Es Salam (2)	Mellitha Oil & Gas	2 x 12	4, 10
Nigeria			
Warri/Egbin node (PS4)	Nigerian Gas Company	214	30
Oben/Geregu (PHCN)	Nigerian Gas Company	123	20/24
Oben/Ajaokuta	Nigerian Gas Company	123	24
Alakiri/Ikot-Abasi (ALSCON)	Nigerian Gas Company	73	24
Ikpe Anang/EHGC (UNICEM)	Nigerian Gas Company	67	24
Aladja pipeline system/Aladja	Nigerian Gas Company	65	6, 8, 14, 16
Kew Metal/Ogijo	Nigerian Gas Company	63	6
Ajaokuta/Obajana	Nigerian Gas Company	56	18
Rumuji Node (GTS-1)/NLNG Bonny	Nigerian LNG Ltd	53	36
Escravos/WGTP	Nigerian Gas Company	36	36
WGTP/WRPC	Nigerian Gas Company	36	36
Soku gas plant (GTS-1)/Rumuji Node (GTS-1)	Nigerian LNG Ltd	25	28
Alagbado/Ota-Agbara distribution (SNG)	Nigerian Gas Company	25	24
Alagbado/Ota-Agbara distribution (SNG)	Nigerian Gas Company	25	24

Main gas pipelines in OPEC Members, 2014

Connection from/to	Owner or operator	Length (miles)	Diameter (inches)
Nigeria (cont'd)			
KP 331/Itoki	Nigerian Gas Company	25	24
Int scrapper station/Ikot-Abasi (ALSCON)	Nigerian Gas Company	23	24
Utorogu/Ughelli (PHCN)	Nigerian Gas Company	22	1
Oben/Sapele (PHCN)	Nigerian Gas Company	22	18
PS 4 (Itoki)/Ibese	Nigerian Gas Company	21	18
Ubeta Node (GTS-1)/Rumuju Node (GTS-1)	Nigerian LNG Ltd	21	28
Imo River/Aba (SPDC)	Nigerian Gas Company	20	12
Ewekoro node/Abeokuta (GDZ)	Nigerian Gas Company	20	18
Ewekoro node/Abeokuta (GDZ)	Nigerian Gas Company	20	18
Obiafu gas plant (GTS-1)/Ubeta Node (GTS-1)	Nigerian LNG Ltd	18	24
Alagbado/Ewekoro (WAPCO)	Nigerian Gas Company	17	6
Qatar			
Ras Laffan/UAE	Dolphin/Del	363	48
Ras Laffan/NFGP (2)	QP	2 x 137	12, 34
Ras Laffan/Mesaieed	QP	135	20
Ras Laffan: Station V/Station S (2)	QP	2 x 124	2 x 36
Rasgas (-4, -6, -7, -8)/Ras Laffan landfall	Ras Gas	2 x 95, 2 x 100	4 x 38
RG-A/Ras Laffan landfall	Ras Gas	90	32
DOL-1/Ras Laffan landfall	Dolphin/Del	89	36
BRZ-WHP1/Ras Laffan landfall	ExxonMobil	88	32
Ras Laffan: Station V/Station T3	QP	87	36
NGL3/NFIS	QP	85	20
BRZ-WHP2/Ras Laffan landfall	ExxonMobil	80	32
NF B-PU/Ras Laffan landfall	Qatar Gas	78	32
PS-4/Ras Laffan landfall (2)	QP, Qatar Gas	2 x 77	12, 32
PEARL-1/Ras Laffan landfall	Shell/Phillips	64	30
Qatargas (-4, -6, -7, -8)/Ras Laffan landfall	Qatar Gas	62, 66, 2 x 91	34, 3 x 38
Station B/Station W1 (3)	QP	55	36, 2 x 30
Ras Laffan/Ras Laffan landfall	Shell/Phillips	52	30
Station B/Station S	QP	46	30
Station B/Station S (2)	QP	41, 46	24, 36
Station N/Station B (2)	QP	2 x 41	30, 36
BRZ-WHP2/Ras Laffan landfall	QP	38	24
Station U/Station B	QP	38	24
Station S/Station W2	QP	38	30
PS-3 offshore/PS-1 offshore	QP	37	10
Station B/Station U1	QP	28	36
Station B/Station E	QP	22	18
PS-2 offshore/PS-1 offshore	QP	20	6

Table 8.8**Natural gas data****Main gas pipelines in OPEC Members, 2014**

Connection from/to	Owner or operator	Length (<i>miles</i>)	Diameter (<i>inches</i>)
Saudi Arabia			
Abqaiq/Yanbu	Saudi Aramco	741	48
UBTG-1/Berri (2)	Saudi Aramco	2 x 155	56, 36/38/40/42
UBTG-1/AY-1 KP 916	Saudi Aramco	152	56
UBTG-1/Ju'aymah	Saudi Aramco	127	28/30/38/40
Safaniya/Ju'aymah	Saudi Aramco	123	40
AY-1 KP 943/Riyadh	Saudi Aramco	95	48
Tanajib/Berri	Saudi Aramco	90	30
Abqaiq/Berri	Saudi Aramco	85	24/36
Haradh/Uthmaniya (2)	Saudi Aramco	77, 87	24/32, 48
UA-1/Uthmaniya	Saudi Aramco	62	24/32
Hawiyah/UBTG-1	Saudi Aramco	35	56
Ju'aymah/Jubail	Saudi Aramco	35	30/38/40
Abqaiq/Shedgum	Saudi Aramco	33	42
Waqr/Haradh	Saudi Aramco	31	30
Hawiyah/Uthmaniyah	Saudi Aramco	29	32
Qatif North/Berri	Saudi Aramco	28	32
Tinat/Haradh	Saudi Aramco	27	20
Haradh/Hawiyah (3)	Saudi Aramco	3 x 27	30
Aindar/Shedgum	Saudi Aramco	21	12
Depco/Abqaiq	Saudi Aramco	20	40
United Arab Emirates			
Maqta/Al Ain	ADNOC	100	30
Murban Bab/Maqta	ADNOC	83	30
Habshan/Maqta	ADNOC	81	42
Murban Bab/Ruwais	ADNOC	68	30
Murban Bab/Jebel Ali Port	Dubai-Government	47	24
Maqta/Al Taweelah	ADNOC	2 x 33	24,36
Sajaa/Sharjah	Emmarat	27	18/6/4
Venezuela			
Anaco/El Palito	PDVSA	1,453	8, 10, 12, 16, 20, 26, 30, 36
Puerto Ordaz/Anaco	PDVSA	484	16, 20, 26, 36
Anaco/Puerto La Cruz	PDVSA	364	12, 16, 20, 26, 36
Trans-Caribbean pipeline	PDVSA	126	26
Mulata/Sota St	PDVSA	72	26
Flujo St/Sota St	E M Petrodelta	63	12
Santa Barbara/Aguasay	PDVSA	41	36
Quiriquire/Jusepin	PDVSA	32	20

Notes:

1. Under construction.

.../... — Pipeline with changing diameter.

General notes

Definitions

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

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

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

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

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.

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.

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.

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

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.

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.

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.

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.

Non-conventional oil: includes synthetic crude oil from tar sands, oil shale, etc, liquids derived from coal liquefaction (CTL) and gas liquefaction (GTL), hydrogen and emulsified oils (eg Orimulsion), non-hydrocarbon compounds added to or blended with a product to modify fuel properties (octane, cetane, cold properties, etc) eg alcohols (methanol, ethanol), ethers (such as MTBE (methyl tertiary butyl ether), ETBE (ethyl tertiary butyl ether), TAME (tertiary amyl methyl ether) or esters (eg rapeseed or dimethylester, etc) and chemical compounds such as TML (tetramethyl lead) or TEL (tetraethyl lead) and detergents.

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

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

Oil supply: consists of crude oil natural gas liquids and non-conventional oil production.

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

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

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.

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

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*).

Refinery capacity (charge): the input (feed) capacity of the refinery processing facilities.

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

Refinery throughput: oil input to atmospheric distillation unit.

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.

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.

Country groupings

(OPEC Member Countries are shown in bold.)

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

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

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

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

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

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

Asia and Pacific: Afghanistan, American Samoa, Antarctica, Australia, Bangladesh, Bhutan, Brunei, Cambodia, Canton and Enderbury Islands, China, China Hong Kong Special Administrative Region (SAR), China Macau SAR, Chinese Taipei, Christmas Island, Cocos (Keeling) Islands, Cook Islands, Fiji, French Polynesia, Guam, India, Indonesia, Japan, Johnston Island, Kiribati, Korea (Democratic People's Republic of), Korea (Republic of), Lao People's Democratic Republic, Malaysia, Maldives, Midway Islands, Mongolia, Myanmar, Nauru, Nepal, New Caledonia, New Zealand, Niue, Norfolk Island, Pacific Islands (Trust Territory), Pakistan, Papua New Guinea, Philippines, Pitcairn Island, Samoa, Singapore, Solomon Islands, Sri Lanka, Thailand, Tokelau, Tonga, Tuvalu, Vanuatu, Vietnam, Wake Island, Wallis and Futuna Islands.

Economic organizations

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

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

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

Abbreviations

Symbols:

na Not available.

nap Not applicable.

– Zero, nil or negligible.

Currencies:

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

Miscellaneous:

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

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

Oil companies

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

Sources

Direct communications to the Secretariat	Joint Organizations Data Initiative
Arab Oil & Gas	Middle East Economic Survey
BP Statistical Review of World Energy	National and international oil companies' reports
Business Monitor Intelligence	National statistical publications
Cambridge Energy Research Associates	National Westminster Bank
Cedigaz, Natural Gas in the World	Oil & Gas Journal
Centre for Global Energy Studies	Oil and Energy Trends: Annual Statistical Review
Central Bank reports	Oil Bulletin Petrolier
Clarkson Research Studies: The Liquid Gas Carrier Register	Organización Latinoamericana de Energia (OLADE)
De Golyer & MacNaughton: Twentieth Century Petroleum Statistics	Organization of Arab Petroleum Exporting Countries (OAPEC)
Eastern Bloc Research, CIS and East European Energy Databook	Petroleum Argus
Economic Intelligence Unit (EIU): country reports, world outlook and database	Petroleum Economist
Energy Detente	Petroleum Intelligence Weekly (PIW)
Energy Information Administration, US Department of Energy	Petrostrategies
Fearnleys, Annual Review	Platt's Oilgram
Financial Times: Oil and Gas International Yearbook	Reuters
Galbraith's Weekly Tanker Fixtures Report	Secretariat's estimates
Global Insight	Simpson Spence & Young: World Oil Tanker Trends
Institute Français du Pétrole (IFP): The World Gas Industry	Society of Petroleum Engineers (SPE): Petroleum Resources Management System
International Energy Agency (IEA): Energy Prices and Taxes; Energy Statistics and Balances; Monthly Oil/Gas Data Services	United Nations: Energy Statistics Yearbook; Handbook of World Development Statistics; Monthly Bulletin of Statistics
International Monetary Fund (IMF): Direction of Trade Statistics; International Financial Statistics; World Economic Outlook, database	World Bank: World Development Indicators
	World Oil
	World Petroleum Trends

Conversion factors

Crude oil

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

By country (b/tonne)

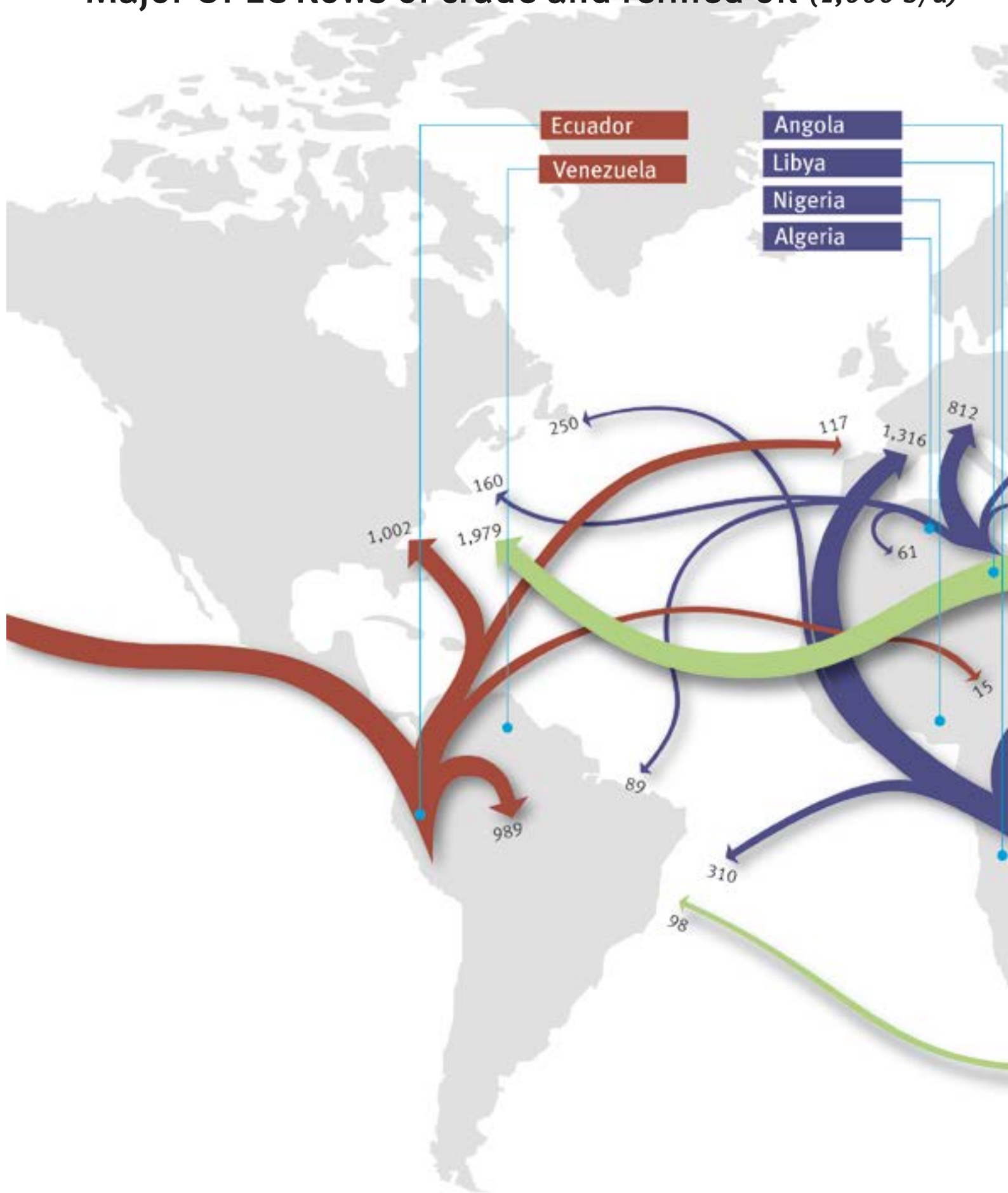
Algeria	8.05153
Angola	7.12980
Ecuador	6.90632
IR Iran	7.38161
Iraq	7.37905
Kuwait	7.27604
Libya	7.57006
Nigeria	7.36997
Qatar	7.32850
Saudi Arabia	7.32271
United Arab Emirates	7.56491
Venezuela	6.68816
OPEC	7.31379

Petroleum products (b/tonne)

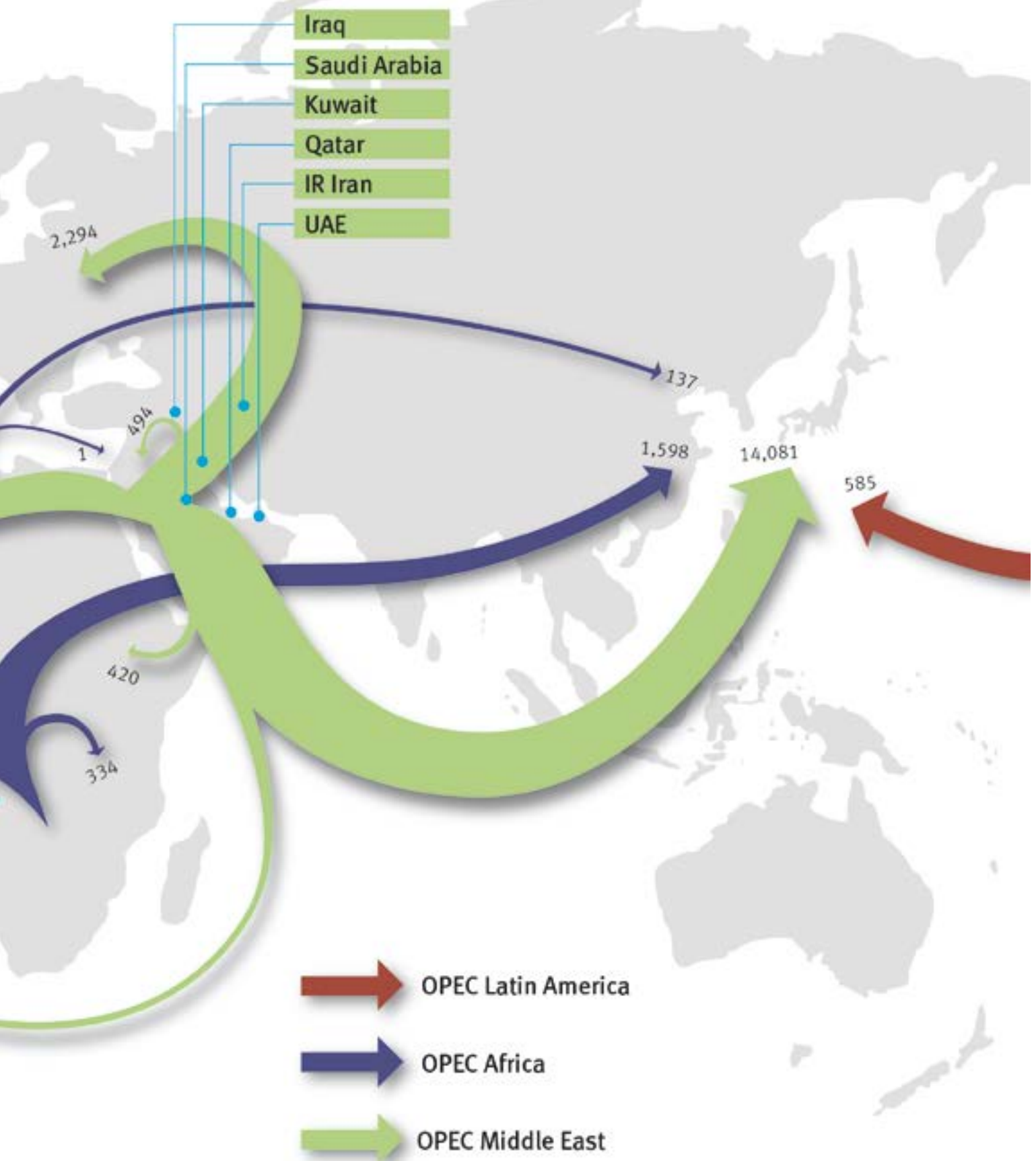
Gasoline	8.4998
Kerosene	7.7652
Distillates	7.2296
Residuals	6.6208



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



2014





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