



O&G R

volume 1

World Oil Review 2017

World Oil Review 2017

Eni presents the 16th edition of the World Oil and Gas Review, the annual statistics report on world reserves, production and consumption of oil and gas with a special focus devoted to crude oil quality and the refining industry. This year, for the first time, the *Review* includes a section dedicated to renewables sources (biofuels, wind and solar).

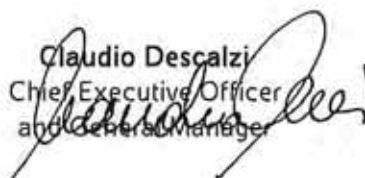
In order to provide a timely picture of energy markets, we have split the *Review* into two separate volumes, the present one, the World Oil Review, and the World Gas & Renewables Review, that will be published this Autumn.

The key findings from the World Oil Review are:

- In 2016 oil reserves increased slightly (+0.2%) mainly due to the contribution of additional reserves in Iraq. OPEC countries remain the biggest reserves holders (74% of world's total) with Venezuela in first position with the large contribution from the Orinoco Belt.
- World oil production remains nearly at the same level of 2015 (+0.3%). Amongst big producers United States, China and Venezuela showed the deepest decrease whilst Middle Eastern OPEC members, driven by Iran, Iraq and Saudi Arabia, set another yearly record for growth.
- Along with production changes, a significant discontinuity emerges in terms of crude quality with respect to 2015. The fall in USA tight oil drove the decrease of the Light & Sweet category, instead higher production from Middle Eastern OPEC countries drove an increase in the Medium & Sour category.
- A new chapter on regional crude oil balances has been included this year. The surplus in the Middle East remains the highest and increased further in 2016. The deepest deficit is in the Asia Pacific region, where crude demand continues to grow, whilst North America halved its deficit due to the increase in domestic production.
- World oil demand grew by 1.7%, less than 2015 (2.2%) when oil prices fell dramatically. However, growth still remained well above the five-year average of 1.5% seen in 2011-2015. For the second consecutive year, OECD gave positive support to global growth, but non OECD maintains the lion's share with more than 75%.
- World refining capacity rose by 1.5 Mb/d driven by the Middle East and Asia, which increased by 1 Mb/d as a whole. In Europe, the rationalization process that started in 2009 almost stopped thanks to a better margin environment.

The Review provides information for a deeper understanding of the main trends of the sector and is addressed to both energy specialists and a wider audience.

Claudio Descalzi
Chief Executive Officer
and General Manager



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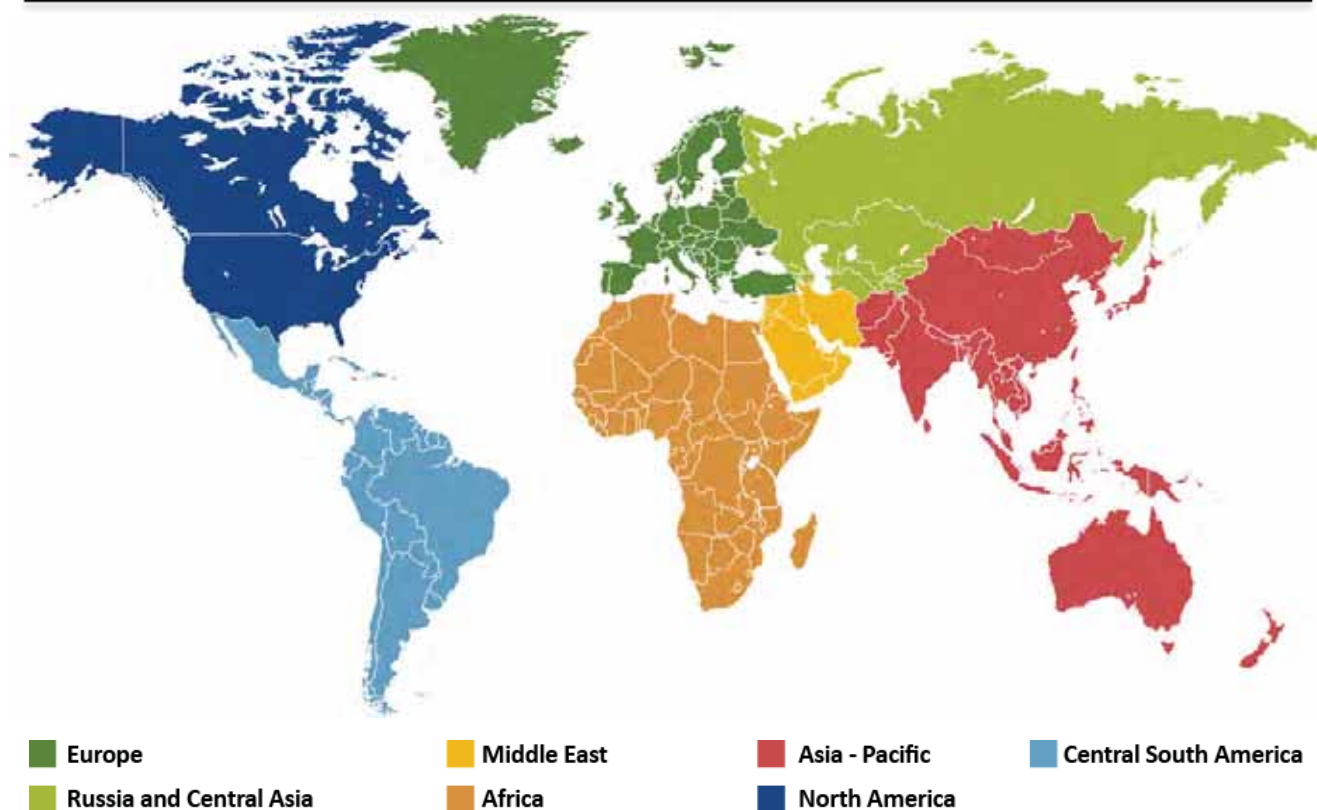
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List of Countries:

- **Europe:** Albania, Austria, Belarus, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Gibraltar, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Montenegro, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine and United Kingdom.
- **Russia and Central Asia:** Russia, Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.
- **Middle East:** Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates and Yemen
- **Africa:** Algeria, Angola, Benin, Cameroon, Chad, Congo, Côte d'Ivoire, Dem. Rep. Congo, Egypt, Equatorial Guinea, Ethiopia, Gabon, Ghana, Kenya, Libya, Madagascar, Mauritania, Morocco, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Somalia, South Africa, Sudan, Tanzania, Tunisia, Uganda, Zambia and Zimbabwe.
- **Asia - Pacific:** Afghanistan, Australia, Bangladesh, Brunei, China, East Timor, Hong Kong, India, Indonesia, Japan, Malaysia, Mongolia, Myanmar, Nepal, New Zealand, North Korea, Pakistan, Papua New Guinea, Philippines, Singapore, South Korea, Sri Lanka, Taiwan, Thailand and Vietnam.
- ■ **Americas:** North America, Central South America.
- **North America:** Canada and the United States.
- **Central South America:** Argentina, Barbados, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Netherlands Antilles, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Uruguay and Venezuela.
- **European Union:** Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and United Kingdom.
- **OECD:** Australia, Austria, Belgium, Canada, Chile, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, Turkey, United Kingdom and United States.
- **OPEC:** Algeria, Angola, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela.
- **MENA (Middle East and North Africa):** Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, Yemen and Algeria, Egypt, Libya, Morocco, Tunisia.

This Review adopts the most commonly used names for countries and not necessarily the official name.

The names used do not in any way indicate the opinion of Eni on the legal status of countries, territories, cities or areas mentioned. The term "country" is used to indicate, when necessary, also a territory or area. Borders between countries are indicated on the maps and do not imply judgement of any kind or the position of Eni with regard to current international disputes.

This Review has been prepared by the Scenarios, Strategic Options & Investor Relations Department.

Notes and Methods

The sources of the data are: CME, DECC, EIA DOE, Enerdata, ICE, ICIS Consulting, International Energy Agency, IHS Global Insight, Italian Ministry for Economic Development, Norwegian Petroleum Directorate, Oil & Gas Journal, OPEC, PIRA, PIW, Wood MacKenzie and other official sources.

Blank spaces in the tables indicate that the figure was not available, zero indicates a figure that is not significant (except for the chapters **"Production Quality"**).

Total may differ from the sum of the individual figures as a result of rounding up/down.

Percentages have been calculated before rounding.

Data for Sudan also include South Sudan.

Oil

In all the chapters of oil, in some countries figures may include oil from non conventional sources and others sources of supply.

The figures for **"Reserves"** refer to proven reserves as at 31st December. The figures for other chapters indicate annual averages.

The difference between the Consumption and the Production of oil is given by the change in stocks, the processing gains obtained in refining and the amount of biofuels which is not included in Production.

In all the chapters, the list of the "The world top 10..." is drawn up by ordering the countries on the basis of the last available year. In the chapters **"Reserves/Production Ratio"** and **"Production/Consumption Ratio"**, the list of the "The world top 10..." is drawn up by selecting the largest producers in the last available year and ordering them on the basis of the value of the reserves/production and production/consumption ratio. In the chapter **"Per Capita Consumption"**, the list of the world top is drawn up by selecting the largest consumers in the last available year and ordering them by the value of per capita consumption.

Production Quality

In the chapter **"Production Quality"** figures for total oil production in each area or country do not coincide with the figures in the **"Production"** chapter of the Review. This is due to the exclusion of natural gas liquids and extra heavy crude from the figures for the first (except for Venezuela). Moreover, it has not been possible to allocate or define total production. In some countries the 'Ultra Light' category also includes, in total or in part, the production of condensates. For Canada the production includes syncrude.

API degree is used universally to express a crude's relative density. The arbitrary formula used to obtain it is: $\text{API gravity} = (141.5/\text{SG at } 60^\circ\text{F}) - 131.5$, where SG is the specific gravity of the fluid. Lighter the crude, higher the API gravity. The API scale was designed so that most values would fall between 10 and 70 API gravity degrees. Fresh water has an API density of 10.

Atmospheric distillates yields are obtained according to TBP (True Boiling Point) technique, ASTM D2892 procedure. Figures are expressed in mass percentage.

For the definition of the qualitative parameters for single crudes, the data of "Eni-R&M Division - San Donato Research Center - Downstream Products Technologies" have been used, wherever possible. Quality levels, indicating API gravity and sulphur content, are defined as follows.

Quality levels - API gravity and sulphur content

Ultra Light	API level equal to or greater than 50° and a low sulphur content
Light & Sweet	API level equal to or greater than 35° and less than 50°, sulphur content less 0.5%
Light & Medium Sour	API level equal to or greater than 35° and less than 50°, sulphur content equal to or greater than 0.5% and less than 1%
Light & Sour	API level equal to or greater than 35° and less than 50°, sulphur content equal to or greater than 1%
Medium & Sweet	API level equal to or greater than 26° and less than 35°, sulphur content less 0.5%
Medium & Medium Sour	API level equal to or greater than 26° and less than 35°, sulphur content equal to or greater than 0.5% and less than 1%
Medium & Sour	API level equal to or greater than 26° and less than 35°, sulphur content equal to or greater than 1%
Heavy & Sweet	API level equal to or greater than 10° and less than 26°, sulphur content less 0.5%
Heavy & Medium Sour	API level equal to or greater than 10° and less than 26°, sulphur content equal to or greater than 0.5% and less than 1%
Heavy & Sour	API level equal to or greater than 10° and less than 26°, sulphur content equal to or greater than 1%

Refining Industry

The **"Refining Capacity"** set of tabulations provides the following information:

- Refineries: includes asphalt and lube oriented units, when dedicated topping capacity is present. Condensate refineries are included.
- Primary Capacity: represents a pro rated annual average of available capacity, excluding turnarounds.
- Conversion Capacity (FCC eqv.): sum of conversion capacity, converted to "Catcracking (FCC) equivalent" capacity. "FCC equivalent" capacity equals 1; other conversion capacities can be higher or lower than 1 (the equivalent factors are reported below in the next table).
- Complexity Capacity - FCC eqv.: ratio of Conversion Capacity (converted to FCC equivalent) over Primary Capacity, calculated on a weight basis. The higher is the complexity index, the higher is the capability of a refinery to produce high equivalent quality and value products.
- Complexity Ratio - NCI (Nelson Complexity Index): is another measure of secondary conversion capacity in comparison to the primary distillation capacity. The units are rated in terms of their costs relative to the primary distillation unit. The higher is the index the higher is the capability of a refinery to produce high quality and value products.

The equivalent factors for the FCC equivalent calculation, reported below, change according to the type and the configuration of the conversion unit and are from ICIS Consulting. The factors for the Nelson calculation are standard factors, modified as necessary by Eni. Oxygenates and Aromatics are excluded.

Conversion type

Alkylation	0.00	10.00
Alkylation-hydrofluoric	0.00	10.00
Alkylation-sulfuric	0.00	10.00
Asphalt	0.25	1.50
Coking-delayed	1.35	6.00
Coking-f/d	1.35	6.00
Coking-fluid	1.35	6.00
Coking-fxc	1.35	6.00
Condensate distillation	0.00	1.00
Crude	0.00	1.00
Deasphalting	0.00	1.50
Deasphalting-c3	0.00	1.50
Deasphalting-c4	0.00	1.50
Deep catcracking	1.10	6.00
Distillate dewaxing	0.10	85.00
Fluid cat-cracking	1.00	6.00
Fluid catcracking-residue	1.90	6.00
Heavy residual gasification	1.30	12.00
Hydrocracking-distillates	1.30	6.00
Hydrocracking-mild	0.30	6.00
Hydrocracking-residue	0.40	6.00

Conversion type

Hydrosulf-diesel	0.00	2.50
Hydrosulf-gasoline	0.00	2.50
Hydrosulf-kero	0.00	2.50
Hydrosulf-mid-distillates	0.00	2.50
Hydrosulf-naphta	0.00	2.50
Hydrosulf-residue	0.20	2.50
Hydrosulf-gvgo	0.05	2.50
Isomerization-c4	0.00	15.00
Isomerization-ln	0.00	15.00
Lube	0.50	60.00
Polymerization	0.00	10.00
Reforming-aromax	0.00	5.00
Reforming-btx	0.00	5.00
Reforming-cc	0.00	5.00
Reforming-cyclic	0.00	5.00
Reforming-lpg feed	0.00	5.00
Reforming-sr	0.00	5.00
Thermal cat-cracking	0.80	2.75
Thermal cracking	0.65	2.75
Vacuum	0.00	2.00
Visbreaking	0.25	2.75

oil

Reserves

Production

Reserves/Production Ratio

Consumption

Per Capita Consumption

Production/Consumption Ratio

Regional Crude Balances

Exports

Imports

Crude Future Price and Open Interests

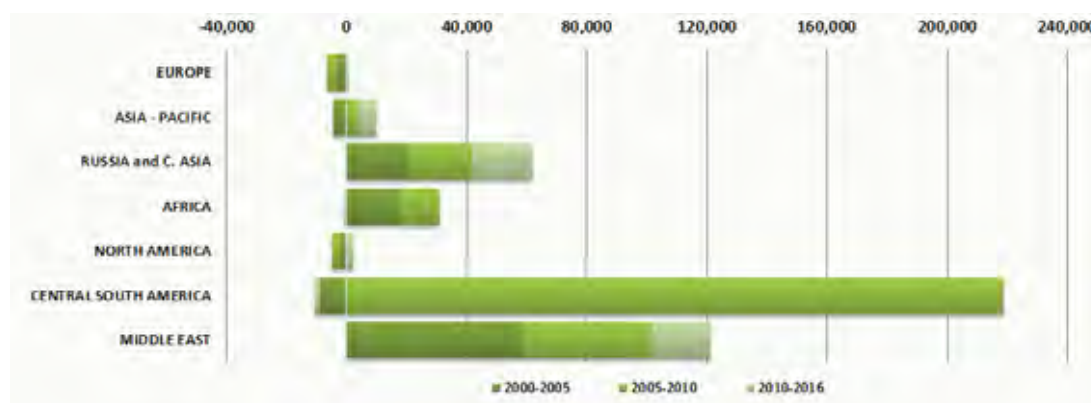
Areas and Aggregates ^(*)(million barrels as at 31st December)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Europe	19,429	16,121	12,865	12,555	12,902	12,312	11,682	12,942	10.8%	-2.5%
Russia and Central Asia	56,384	77,228	98,283	118,282	118,284	118,284	118,284	118,284	0.0%	4.7%
Middle East	692,991	751,691	794,599	799,133	802,962	802,515	802,851	814,166	1.4%	1.0%
Africa	92,882	110,915	123,900	123,098	122,999	122,776	123,491	123,513	-0.1%	1.8%
Asia - Pacific	47,110	42,607	46,243	49,049	49,877	50,089	50,507	52,520	4.0%	0.7%
Americas	330,973	319,986	335,571	345,341	349,364	354,089	346,823	336,433	-1.9%	3.1%
+ North America	205,021	203,063	200,029	207,119	209,558	212,128	207,425	202,175	-2.5%	-0.1%
- Central South America	125,953	116,923	135,542	138,222	139,806	141,961	139,398	134,258	-1.5%	6.3%
World	1,239,769	1,318,547	1,411,861	1,547,437	1,656,388	1,660,065	1,653,637	1,657,658	0.2%	1.8%
European Union	8,776	7,236	6,025	6,060	5,920	5,661	5,390	5,110	-5.2%	-3.3%
MENA	743,680	809,686	858,722	864,631	868,351	867,904	868,240	879,555	1.3%	1.1%
OECD	255,423	234,248	225,585	232,346	234,946	236,693	231,261	227,262	-1.7%	-0.7%
NON OECD	984,346	1,084,299	1,385,875	1,415,111	1,421,442	1,423,372	1,422,376	1,430,395	0.6%	2.4%
OPEC	853,496	930,599	1,198,717	1,206,121	1,211,474	1,211,684	1,213,432	1,225,027	1.0%	2.3%
NON OPEC	386,273	387,948	412,744	441,336	444,914	448,381	440,205	432,631	-1.7%	0.7%

World Oil Reserves (2016)

1,657,658 million barrels as at 31st December

World Oil Reserves Growth (2000-2016)

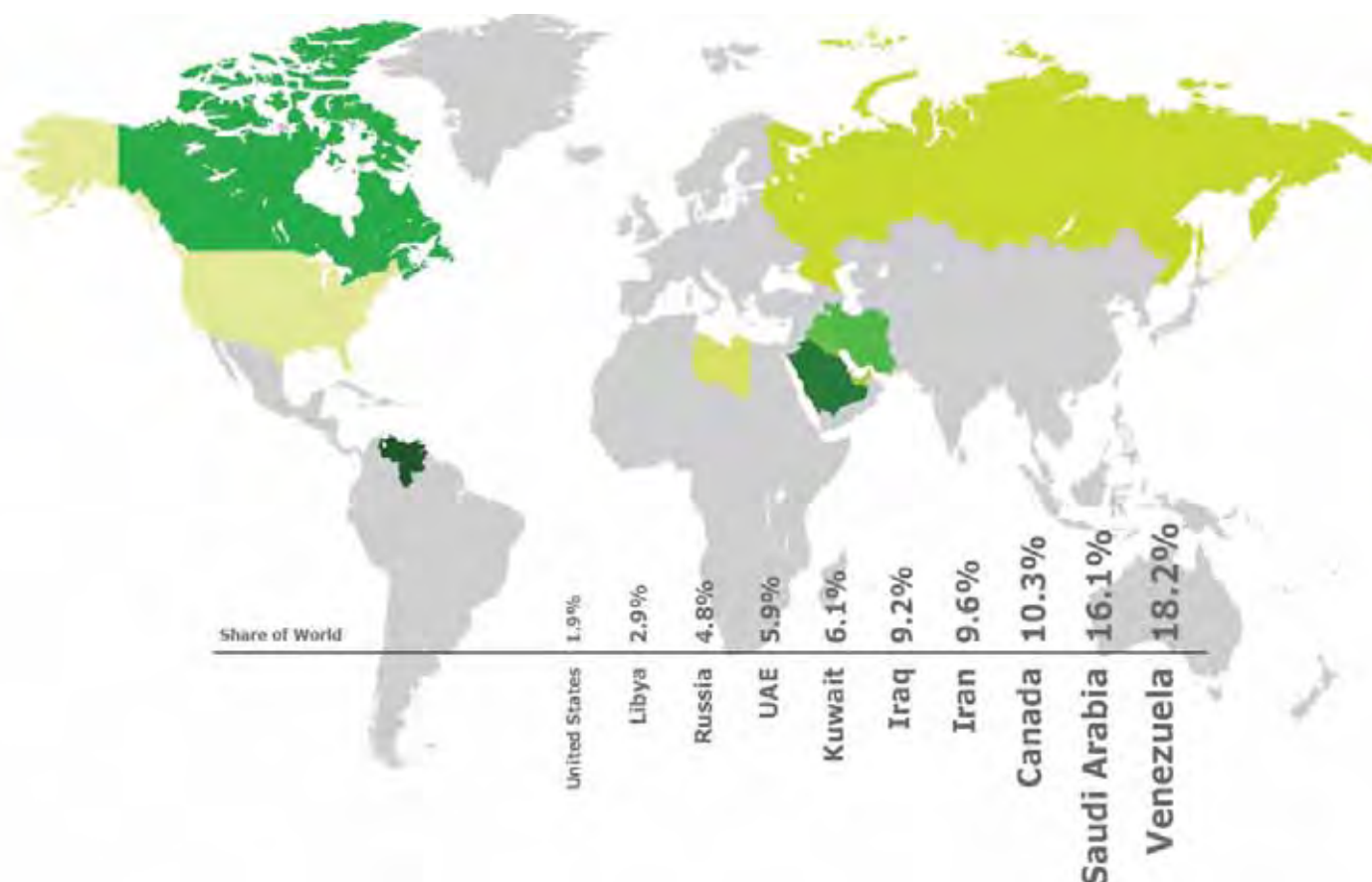
417,889 million barrels as at 31st December(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data* and other official data sources.

The World Top 10 Reserves Holders (*)

(million barrels as at 31st December)

	2000	2005	2010	2012	2013	2014	2015	2016	$\Delta y/y$ (2016-2015)	CAGR (2016-2000)
Venezuela	76,848	80,012	296,501	297,735	296,350	299,953	300,878	301,806	0.3%	8.9%
Saudi Arabia	262,766	264,211	264,516	265,850	265,789	266,578	266,455	266,532	0.0%	0.1%
Canada	181,504	180,044	174,848	173,716	173,038	172,195	172,195	171,031	-0.7%	-0.4%
Iran	99,530	136,270	151,170	157,300	157,800	157,530	158,400	159,275	0.6%	3.0%
Iraq	112,500	115,000	143,100	140,300	144,211	143,069	142,503	153,000	7.4%	1.9%
Kuwait	96,500	101,500	101,500	101,500	101,500	101,500	101,500	101,500	0.0%	0.3%
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	97,800	97,800	97,800	0.0%	0.0%
Russia	48,573	60,000	60,000	60,000	60,000	60,000	60,000	60,000	0.0%	3.2%
Libya	36,000	41,464	47,097	48,472	48,363	48,363	48,363	48,363	0.0%	1.9%
United States	23,517	23,019	25,181	33,403	36,520	39,933	35,230	31,143	-11.6%	1.8%
The World Top 10	1,055,538	1,099,320	1,561,713	1,396,076	1,403,371	1,406,921	1,403,324	1,410,260	0.5%	1.0%
Rest of the world	204,231	219,227	249,748	251,381	253,017	253,144	250,313	247,407	-1.2%	1.2%
World	1,259,769	1,318,547	1,811,461	1,647,457	1,656,388	1,660,065	1,653,637	1,657,668	0.2%	1.8%

The World Top 10 (2016)

(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data* and other official data sources.

Countries (*)

(million barrels as at 31st December)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ u/y (2016-2015)	CAGR (2016-2000)
Europe	19,429	16,121	12,065	12,555	12,902	12,512	11,602	12,942	10.6%	-2.5%
Albania	176	200	204	173	179	178	178	178	0.0%	-0.1%
Austria	92	63	51	47	49	49	49	46	-5.3%	-4.2%
Belarus	211	200	203	199	206	205	205	205	0.0%	-0.2%
Bulgaria	16	15	15	15	16	16	16	16	0.0%	-0.2%
Croatia	98	70	73	71	74	74	74	74	0.0%	-1.8%
Czech Republic	16	15	15	15	16	16	16	16	0.0%	-0.2%
Denmark	1,113	1,277	899	730	673	610	554	493	-11.0%	-5.0%
France	155	159	93	86	88	88	88	81	-7.8%	-3.9%
Germany	405	370	283	256	264	263	263	269	9.8%	-2.1%
Greece	11	7	10	10	10	10	10	10	0.0%	-0.2%
Hungary	117	104	26	27	28	28	28	25	-12.2%	-9.3%
Italy (**)	577	443	559	599	582	619	595	572	-3.9%	-0.1%
Lithuania	13	12	12	12	12	12	12	12	0.0%	-0.2%
Netherlands	114	107	318	246	150	143	141	113	-19.6%	0.0%
Norway	9,447	7,705	5,670	5,366	5,825	5,497	5,139	6,611	28.6%	-2.2%
Poland	123	97	99	158	163	163	163	163	0.0%	1.8%
Romania	1,170	458	600	600	600	600	600	600	0.0%	-4.1%
Serbia	83	79	80	78	81	81	81	81	0.0%	-0.2%
Slovakia	10	9	9	9	9	9	9	9	0.0%	-0.2%
Spain	22	159	154	151	156	155	155	155	0.0%	12.9%
Turkey	315	303	277	272	281	280	280	348	24.5%	0.6%
Ukraine	421	399	405	397	411	409	409	409	0.0%	-0.2%
United Kingdom	4,725	3,870	2,805	3,030	3,030	2,805	2,618	2,436	-6.9%	-4.1%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ u/y (2016-2015)	CAGR (2016-2000)
Russia and Central Asia	56,584	77,228	98,283	118,282	118,284	118,284	118,284	118,284	0.0%	4.7%
Russia	48,573	60,000	60,000	80,000	80,000	80,000	80,000	80,000	0.0%	3.2%
Azerbaijan	1,178	7,000	7,000	7,000	7,000	7,000	7,000	7,000	0.0%	11.8%
Georgia	37	35	36	35	36	36	36	36	0.0%	-0.2%
Kazakhstan	5,400	9,000	30,000	30,000	30,000	30,000	30,000	30,000	0.0%	11.3%
Kyrgyzstan	43	40	41	40	42	41	41	41	0.0%	-0.2%
Tajikistan	13	12	12	12	12	12	12	12	0.0%	-0.2%
Turkmenistan	546	546	600	600	600	600	600	600	0.0%	0.6%
Uzbekistan	594	594	594	594	594	594	594	594	0.0%	0.0%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ u/y (2016-2015)	CAGR (2016-2000)
Middle East	692,991	751,691	794,599	799,153	802,962	802,515	802,851	814,166	1.4%	-1.0%
Bahrain	160	126	128	126	130	130	129	129	0.0%	-1.3%
Iran	99,530	136,270	151,170	157,300	157,800	157,530	158,400	159,275	0.6%	3.0%
Iraq	112,500	115,000	143,100	140,300	144,211	143,069	142,503	153,000	7.4%	1.9%
Israel	4	2	2	12	12	12	12	11	-8.8%	6.3%
Jordan	1	1	1	1	1	1	1	1	0.0%	0.5%
Kuwait	96,500	101,500	101,500	101,500	101,500	101,500	101,500	101,500	0.0%	0.3%
Oman	5,848	5,572	5,500	5,500	4,974	5,151	5,306	5,373	1.3%	0.5%
Qatar	13,157	25,288	25,382	25,244	25,244	25,244	25,244	25,244	0.0%	4.2%
Saudi Arabia	262,766	264,211	264,516	265,850	265,789	266,578	266,455	266,532	0.0%	0.1%
Syria	2,325	3,000	2,500	2,500	2,500	2,500	2,500	2,500	0.0%	0.5%
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	97,800	97,800	97,800	0.0%	0.0%
Yemen	2,400	2,921	3,000	3,000	3,000	3,000	3,000	3,000	0.0%	1.4%

(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data* and other official data sources.

(**) The original data are from Italian Ministry for Economic Development. They have been converted by Eni considering 1 ton of oil equal to 7.3 barrels.

Countries (*)

(million barrels as at 31st December)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Africa	92,852	110,915	123,900	123,098	122,999	122,778	123,491	123,313	-0.1%	1.6%
Algeria	11,314	12,270	12,200	12,200	12,200	12,200	12,200	12,200	0.0%	0.5%
Angola	5,972	9,050	9,055	9,055	9,011	8,423	9,524	9,354	-1.8%	2.8%
Benin	8	8	8	8	8	8	8	8	0.0%	-0.2%
Cameroon	426	404	205	201	208	207	207	207	0.0%	-4.4%
Chad	900	1,500	1,500	1,500	1,500	1,500	1,500	1,500	0.0%	5.2%
Congo	1,650	1,506	1,600	1,600	1,600	1,600	1,600	1,600	0.0%	-0.2%
Côte d'Ivoire	107	101	103	101	104	104	104	104	0.0%	-0.2%
Dem. Rep. Congo	199	189	185	181	187	186	186	186	0.0%	-0.4%
Egypt	2,948	3,700	4,400	4,400	4,400	4,400	4,400	4,400	0.0%	2.5%
Equatorial Guinea	1,200	1,200	1,100	1,100	1,100	1,100	1,100	1,100	0.0%	-0.5%
Gabon	2,420	2,146	2,000	2,000	2,000	2,000	2,000	2,000	0.0%	-1.2%
Ghana	18	17	672	664	686	684	684	684	0.0%	25.5%
Libya	36,000	41,464	47,097	48,472	48,363	48,363	48,363	48,363	0.0%	1.9%
Mauritania	0	0	103	20	21	21	21	21	0.0%	
Morocco	2	1	1	1	1	1	1	1	0.0%	-4.4%
Nigeria	29,000	36,220	37,200	37,139	37,071	37,448	37,062	37,054	0.0%	1.5%
South Africa	30	16	15	15	16	16	16	16	0.0%	-4.0%
Sudan	262	563	5,000	1,500	1,500	1,500	1,500	1,500	0.0%	11.5%
Tunisia	425	560	425	425	425	425	425	425	0.0%	0.0%
Uganda	0	0	1,026	2,515	2,598	2,590	2,590	2,590	0.0%	

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Asia - Pacific	47,110	42,607	48,243	49,049	49,877	50,089	50,507	52,520	4.0%	0.7%
Australia	4,944	3,718	3,831	3,922	3,957	3,982	3,985	6,082	52.6%	1.3%
Bangladesh	61	28	29	28	29	29	29	29	0.0%	-4.5%
Brunei	1,230	1,105	1,100	1,100	1,100	1,100	1,100	1,100	0.0%	-0.7%
China	24,000	18,250	20,350	23,717	24,376	24,649	25,132	25,620	1.9%	0.4%
India	4,728	5,615	5,533	5,476	5,654	5,686	5,692	5,562	-2.3%	1.0%
Indonesia	5,123	4,188	3,990	3,291	3,303	3,303	3,230	2,825	-12.5%	-3.7%
Japan	63	60	45	44	46	46	46	46	0.0%	-2.0%
Malaysia	3,390	5,290	5,799	5,945	5,850	5,792	5,792	5,792	0.0%	3.4%
Myanmar	53	50	51	50	52	52	52	52	0.0%	-0.2%
New Zealand	135	53	116	81	84	84	84	74	-11.2%	-3.7%
Pakistan	222	292	321	250	258	257	257	255	-0.8%	0.9%
Papua New Guinea	384	242	90	155	160	160	160	141	-11.6%	-6.1%
Philippines	308	140	143	139	143	143	143	143	0.0%	-4.7%
Taiwan	4	2	2	2	2	2	2	2	0.0%	-4.4%
Thailand	515	453	442	449	462	405	405	398	-2.1%	-1.6%
Vietnam	1,950	3,119	4,400	4,400	4,400	4,400	4,400	4,400	0.0%	5.2%

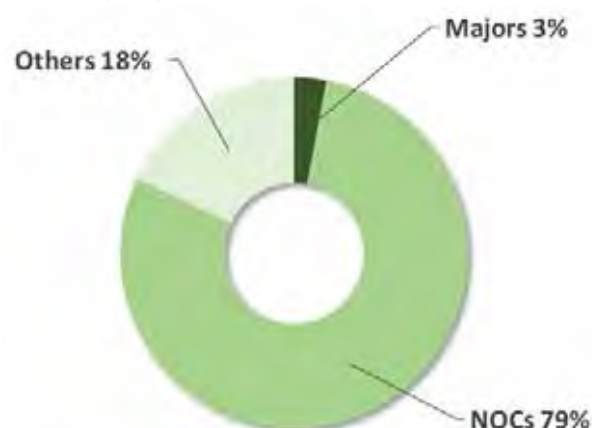
	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Americas	330,973	319,986	335,571	345,341	349,364	354,009	346,823	336,433	-1.9%	3.1%
Argentina	2,974	2,180	2,524	2,354	2,330	2,380	2,380	2,185	-8.2%	-1.9%
Barbados	5	5	2	2	2	2	2	2	-10.1%	-3.3%
Belize	0	0	7	7	7	7	7	7	0.0%	
Bolivia	423	445	477	211	218	218	218	218	0.0%	-4.1%
Brazil	8,465	11,773	13,987	14,524	14,719	16,182	18,034	10,469	-19.7%	1.3%
Canada	181,504	180,044	174,848	173,716	173,038	172,195	172,195	171,031	-0.7%	-0.4%
Chile	160	151	154	151	156	155	155	155	0.0%	-0.2%
Colombia	1,972	1,453	1,900	2,200	2,377	2,445	2,308	2,002	-13.3%	0.1%
Cuba	302	757	127	125	129	128	128	128	0.0%	-5.2%
Ecuador	4,566	5,180	7,206	8,235	8,832	8,273	8,273	8,273	0.0%	3.8%
Guatemala	145	93	85	84	86	86	86	86	0.0%	-3.2%
Mexico	28,260	12,882	10,420	10,264	10,073	9,812	9,711	7,640	-21.3%	-7.9%
Peru	906	1,078	1,240	1,423	1,617	1,410	1,410	977	-30.7%	0.5%
Suriname	79	112	81	77	80	80	80	67	-16.0%	-1.0%
Trinidad and Tobago	851	603	830	830	830	830	728	243	-66.6%	-7.5%
United States	23,517	23,019	25,181	33,403	36,520	39,933	35,230	31,143	-11.6%	1.8%
Venezuela	75,848	80,012	296,501	297,735	298,350	299,953	300,878	301,806	0.3%	8.9%

(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data* and other official data sources.

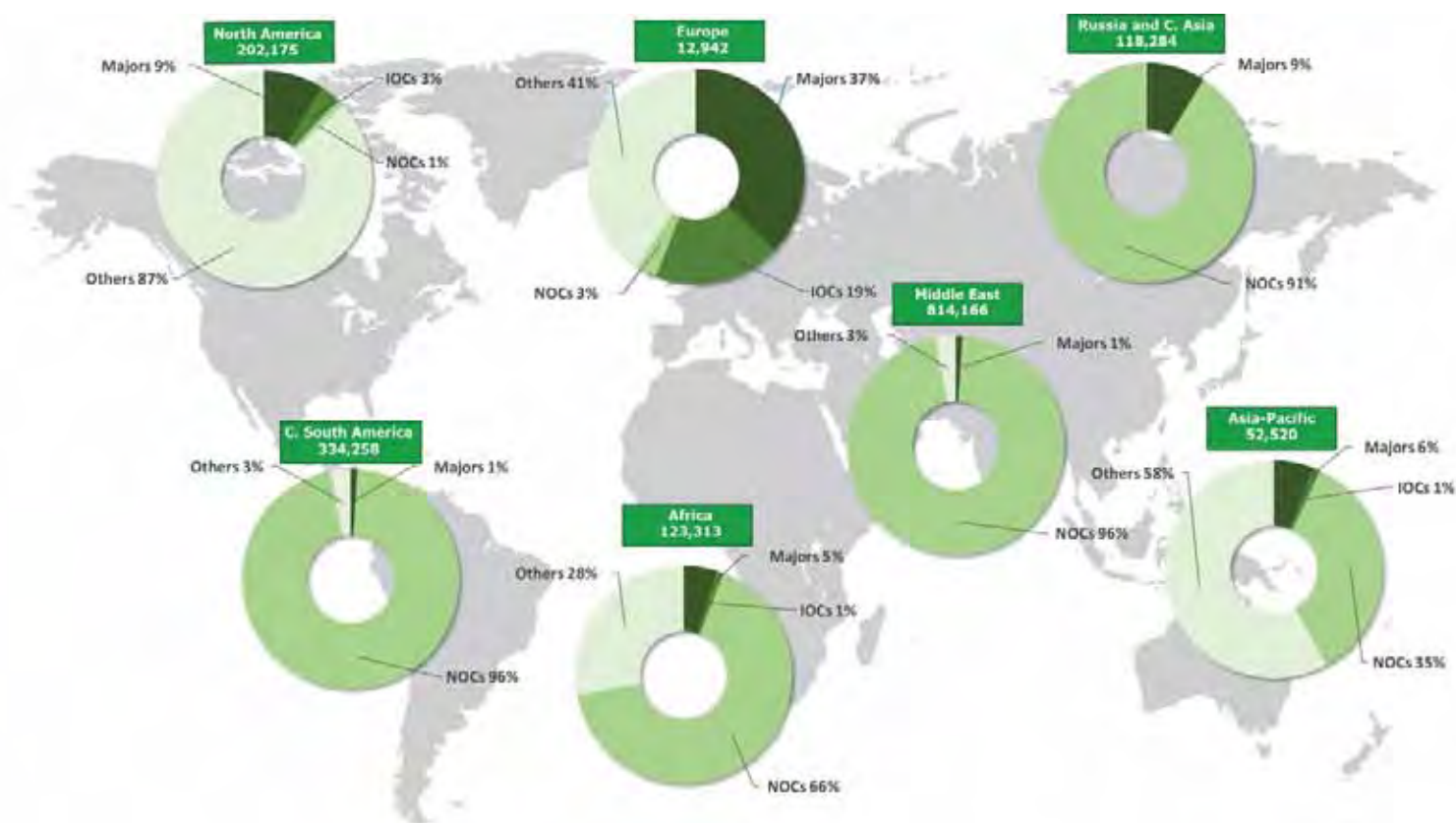
Cluster of Companies (*)

2000

2016

World: 1,239,769 million barrels as at 31st DecemberWorld: 1,657,658 million barrels as at 31st December

2016

(million barrels as at 31st December)(*) **Majors:** ExxonMobil, BP, Shell, Chevron, Total, Eni, Statoil, ConocoPhillips, Anadarko, Marathon Oil, Apache.**IOCs:** BG, BHP Billiton, OMV, Repsol, Woodside Petroleum.

NOCs: ADNOC, Bahrain NOC, Bashneft, CNOOC, CNPC-PetroChina, CPC Taiwan, Dubai Petroleum, Ecopetrol, EGPC, Gazprom, INOC, Israel NOC, KazMunaiGaz, KNOC, KPC, Lukoil, Libyan NOC, MEDCO Energy, MOGE, Morocco NOC, Mubadala - Abu Dhabi, NIOC, NNPC, Novatek, Oil India, ONGC, Pakistan Oil Field, Pakistan Petroleum, PDO, PdVSA, Pemex, Pertamina, Petrobras, Petronas, PetroVietnam, PGNiG, PTTEP, QP, Rosneft, Saudi Aramco, Sinopec, SOCAR Azerbaijan, Sonangol, Sonatrach, Surgutneftegas, Syria Petroleum, Tatneft, Turkmenogas, Uzbekneftegas, YPF.

Areas and Aggregates ^(*)

Crude and non conventional oil, natural gas liquids
(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAOR (2016-2000)
Europe	7,098	5,961	4,405	5,710	5,556	5,559	5,698	5,727	0.6%	-3.9%
Russia and Central Asia	7,864	11,703	13,373	13,446	13,699	13,766	13,947	14,125	1.3%	3.7%
Middle East	25,510	25,588	25,566	28,157	28,048	28,508	29,861	31,628	5.9%	1.9%
Africa	7,787	9,884	10,243	9,659	8,850	8,462	8,413	7,913	-5.9%	0.1%
Asia - Pacific	7,929	8,052	8,452	8,372	8,194	8,241	8,372	8,038	-4.0%	0.1%
Americas	20,994	21,012	21,390	23,192	24,633	26,738	27,780	26,926	-3.1%	1.6%
- North America	10,726	10,118	11,084	12,850	14,291	16,277	17,378	16,989	-2.2%	2.9%
- Central South America	10,268	10,894	10,306	10,342	10,342	10,461	10,401	9,937	-4.5%	-0.2%
World	75,182	82,199	83,208	86,557	86,982	89,274	92,071	92,357	0.3%	1.5%
European Union	3,570	2,802	2,074	1,601	1,530	1,488	1,576	1,564	-0.8%	-5.0%
MENA	27,206	29,962	29,531	32,016	31,349	31,357	32,666	34,396	5.3%	1.5%
OECD	21,859	20,177	18,862	19,802	20,980	22,926	23,920	23,403	-2.2%	0.4%
NON OECD	53,323	62,022	64,346	66,735	66,002	66,348	68,151	68,954	1.2%	1.6%
OPEC	32,492	36,169	35,854	38,536	37,588	37,598	38,961	40,193	3.2%	1.5%
NON OPEC	42,690	46,030	47,374	48,002	49,394	51,675	53,110	52,164	-1.8%	1.3%

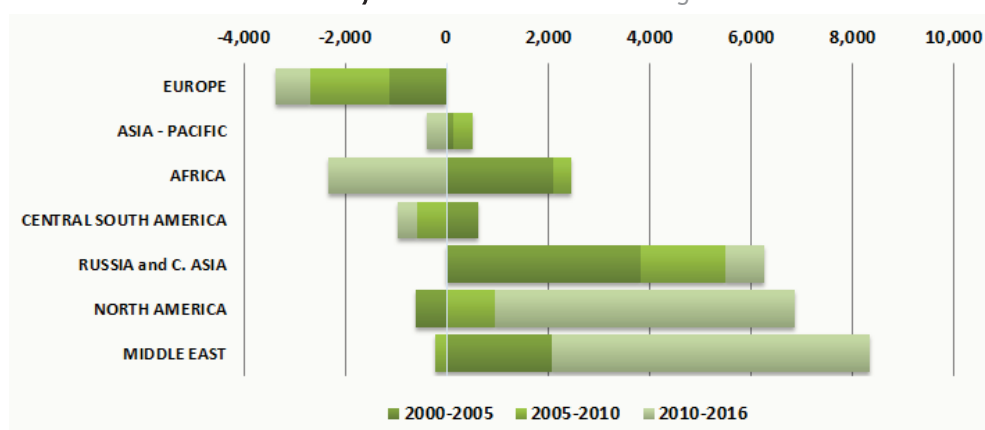
World Oil Production (2016)

92,357 thousand barrels/day



World Oil Production Growth (2000-2016)

17,175 thousand barrels/day



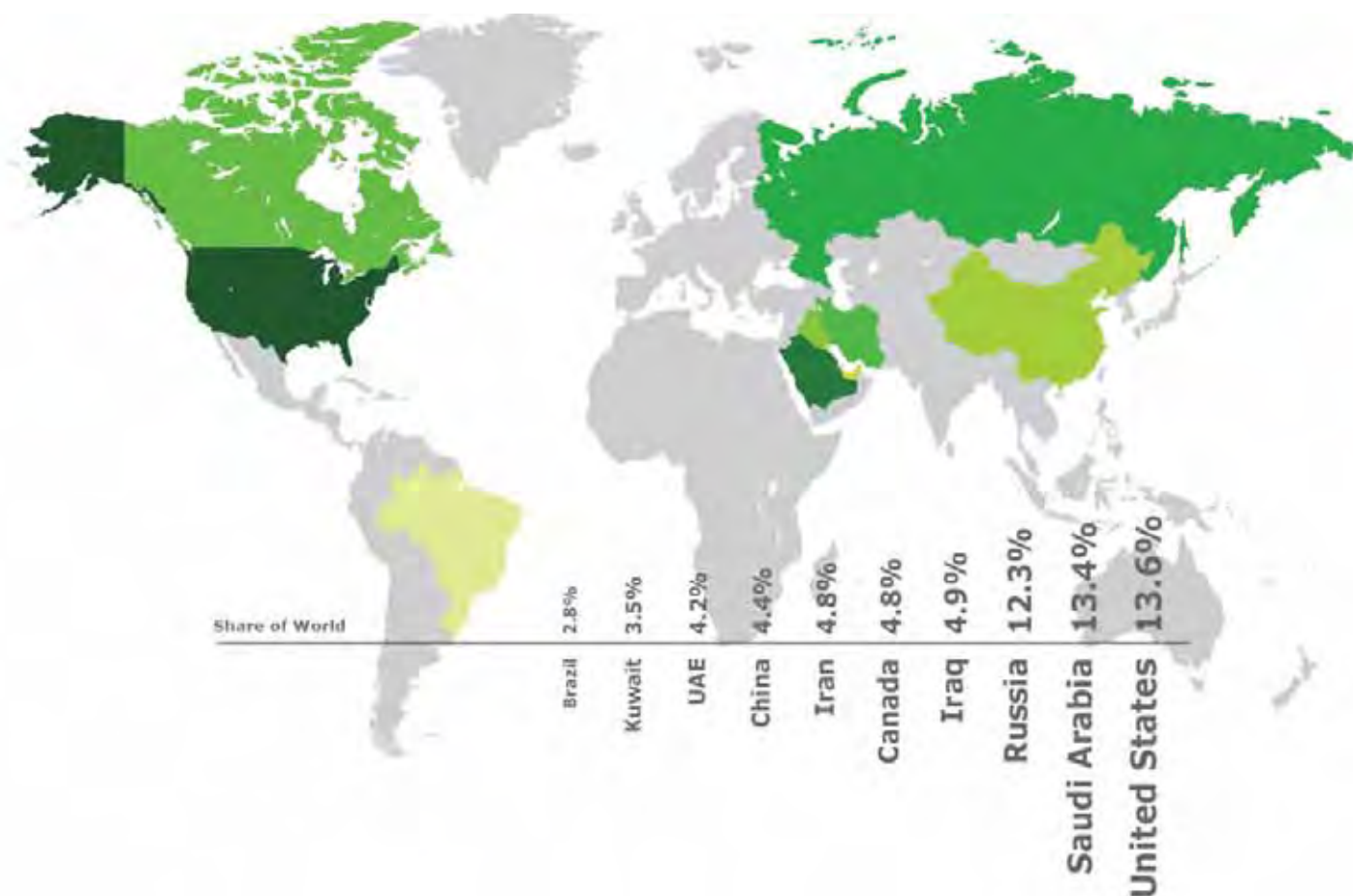
^(*) Data source: Eni's calculations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

The World Top 10 Producers (*)

Crude and non conventional oil, natural gas liquids
(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
United States	8,005	7,077	7,752	9,110	10,291	12,000	12,993	12,539	-3.5%	2.8%
Saudi Arabia	9,348	10,927	9,971	11,742	11,513	11,605	12,047	12,408	3.0%	1.8%
Russia	6,527	9,656	10,390	10,625	10,793	10,896	11,087	11,341	2.3%	5.5%
Iraq	2,582	1,833	2,430	3,031	3,163	3,425	4,088	4,503	10.2%	3.5%
Canada	2,722	3,041	3,332	3,740	4,000	4,278	4,385	4,450	1.5%	3.1%
Iran	3,760	4,225	4,215	3,551	3,289	3,437	3,596	4,395	22.2%	1.0%
China	3,261	3,638	4,078	4,175	4,182	4,247	4,337	4,032	-7.0%	1.3%
United Arab Emirates	2,622	2,994	2,831	3,384	3,503	3,572	3,769	3,865	2.6%	2.5%
Kuwait	2,160	2,548	2,498	2,985	3,109	3,090	3,097	3,194	3.1%	2.5%
Brazil	1,268	1,702	2,144	2,155	2,120	2,352	2,531	2,613	3.2%	4.6%
The World Top 10	42,254	47,622	49,640	54,498	55,963	58,901	61,930	63,340	2.3%	2.6%
Rest of the World	32,928	34,577	33,568	32,039	31,019	30,373	30,141	29,017	-3.7%	-0.8%
World	75,182	82,199	83,208	86,537	86,982	89,274	92,071	92,357	2.6%	1.4%

The World Top 10 (2016)



(*) Data source: *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017.

Countries (*)

Crude and non conventional oil, natural gas liquids
(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Europe	7,098	5,961	4,403	3,710	3,556	3,559	3,698	3,722	0.6%	-5.9%
Albania	6	8	13	18	21	24	25	25	-7.1%	9.1%
Austria	20	19	25	22	21	21	20	18	-10.6%	-0.5%
Belarus	37	36	35	50	29	27	26	25	-4.9%	-2.5%
Bulgaria	1	1	1	1	1	1	1	1	0.0%	4.4%
Croatia	28	21	18	14	14	12	14	15	8.4%	-3.0%
Czech Republic	8	12	6	7	6	5	4	4	6.0%	-3.6%
Denmark	363	388	255	201	175	165	156	141	-10.1%	-5.0%
Estonia	5	5	10	12	12	14	16	14	-11.8%	7.1%
France	44	36	31	27	25	23	24	23	-3.9%	-4.0%
Germany	86	113	76	74	75	68	71	71	-0.2%	-1.2%
Greece	6	2	2	2	1	1	1	3	153.2%	-3.9%
Hungary	39	37	25	23	26	20	21	22	6.0%	-3.4%
Italy	78	124	108	108	110	114	109	74	-31.4%	-0.3%
Netherlands	49	47	36	41	46	41	42	29	-32.3%	-3.5%
Norway	3,331	2,962	2,138	1,917	1,838	1,889	1,948	1,997	2.5%	-3.1%
Poland	15	28	19	20	29	30	31	31	1.9%	4.9%
Portugal	0	0	0	0	1	1	1	2	184.0%	
Romania	131	113	89	85	85	83	81	78	-4.4%	-3.2%
Serbia	20	13	18	23	24	22	21	20	-3.5%	0.0%
Slovakia	1	7	5	2	4	4	4	3	-29.9%	5.5%
Spain	5	3	3	7	16	13	11	6	-40.6%	1.9%
Turkey	53	44	48	45	46	47	48	50	2.2%	-0.4%
Ukraine	82	97	79	76	69	61	54	50	-8.0%	-3.0%
United Kingdom	2,694	1,845	1,365	954	886	870	970	1,028	6.0%	-5.0%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Russia and Central Asia	7,864	11,705	13,373	13,446	13,699	13,766	13,947	14,125	1.3%	3.7%
Russia	6,527	9,636	10,390	10,623	10,793	10,895	11,087	11,341	2.3%	3.5%
Azerbaijan	282	449	1,042	879	885	862	849	829	-2.4%	7.0%
Georgia	2	1	1	1	1	1	1	0	-9.5%	-9.3%
Kazakhstan	718	1,295	1,655	1,669	1,714	1,692	1,672	1,638	-2.0%	5.3%
Kyrgyzstan	2	2	1	2	1	1	1	1	-9.5%	-1.9%
Tajikistan	0	0	0	1	1	1	0	0		
Turkmenistan	158	201	196	204	237	249	273	253	-7.4%	3.0%
Uzbekistan	175	118	88	68	68	66	64	62	-2.7%	-6.2%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Middle East	23,510	25,588	25,366	28,157	28,048	28,508	29,861	31,628	5.9%	1.9%
Bahrain	198	198	192	183	209	213	213	209	-2.0%	0.3%
Iran	3,760	4,225	4,215	3,551	3,289	3,437	3,596	4,395	22.2%	1.0%
Iraq	2,582	1,833	2,430	3,031	3,163	3,425	4,088	4,503	10.2%	3.5%
Kuwait	2,160	2,548	2,498	2,985	3,109	3,090	3,097	3,194	3.1%	2.5%
Oman	958	777	871	925	955	951	989	1,012	2.3%	0.3%
Qatar	860	1,216	1,668	2,011	2,056	2,034	1,993	2,001	0.4%	5.4%
Saudi Arabia	9,548	10,927	9,971	11,742	11,513	11,605	12,047	12,408	3.0%	1.8%
Syria	573	448	385	171	59	33	27	25	-5.4%	-17.7%
United Arab Emirates	2,622	2,994	2,831	3,385	3,503	3,572	3,769	3,865	2.6%	2.5%
Yemen	450	421	306	174	193	148	43	16	-62.3%	-18.7%

(*) Data source: *Monthly Oil Data Services* © OECD/International Energy Agency, 2017.

Countries (*)

Crude and non conventional oil, natural gas liquids
(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Africa	7,787	9,884	10,243	9,656	8,850	8,462	8,413	7,913	-5.9%	0.5%
Algeria	1,436	1,931	1,720	1,619	1,573	1,585	1,590	1,598	0.5%	0.7%
Angola	745	1,245	1,820	1,854	1,792	1,732	1,830	1,783	-2.6%	5.6%
Cameroon	114	89	64	64	69	76	76	77	0.8%	-2.4%
Chad	0	170	130	140	132	123	117	118	0.9%	
Congo	265	247	314	281	250	266	257	238	-7.6%	-0.7%
Côte d'Ivoire	7	40	45	42	34	27	28	25	-9.3%	8.3%
Dem. Rep. Congo	23	25	25	24	24	23	22	21	-4.9%	-0.7%
Egypt	711	649	700	693	707	707	722	691	-4.3%	-0.2%
Equatorial Guinea	118	358	274	272	267	281	289	280	-3.1%	3.6%
Gabon	276	270	249	253	232	232	230	227	-1.1%	-1.2%
Ghana	7	6	7	81	104	107	106	92	-13.4%	17.4%
Libya	1,471	1,721	1,661	1,476	953	497	437	426	-2.6%	-7.5%
Mauritania	0	0	9	7	6	5	5	4	-9.5%	
Morocco	0	1	0	0	0	0	0	0	0.0%	-1.4%
Niger	0	0	0	13	18	17	17	17	0.0%	
Nigeria	2,160	2,546	2,555	2,482	2,293	2,330	2,258	1,938	-14.2%	-0.7%
South Africa	199	208	141	131	113	110	122	121	-0.7%	-3.1%
Sudan	177	305	465	156	218	275	253	205	-18.7%	0.9%
Tunisia	79	73	83	70	68	61	55	52	-4.1%	-2.4%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Asia - Pacific	7,929	8,052	8,432	8,372	5,194	6,241	8,572	8,038	-4.0%	0.1%
Australia	802	545	553	472	399	427	377	354	-6.1%	-5.0%
Bangladesh	4	6	5	5	4	4	4	4	-4.9%	-0.5%
Brunei	195	206	153	159	135	126	127	115	-9.4%	-3.3%
China	3,261	3,638	4,078	4,175	4,182	4,247	4,337	4,032	-7.0%	1.3%
East Timor	0	92	88	80	79	74	67	61	-9.5%	
India	770	771	914	898	888	876	868	848	-2.2%	0.6%
Indonesia	1,447	1,086	993	912	873	835	822	879	7.0%	-3.1%
Japan	17	18	18	16	14	13	12	11	-8.6%	-2.0%
Malaysia	711	794	717	657	619	647	706	709	0.5%	0.0%
Mongolia	0	1	6	10	14	20	19	18	-4.9%	33.6%
Myanmar	12	22	19	17	17	15	14	12	-11.9%	0.1%
New Zealand	45	37	60	47	41	46	48	41	-13.8%	-0.5%
Pakistan	58	66	66	76	86	83	82	80	-2.5%	2.1%
Papua New Guinea	64	54	31	27	25	35	53	57	7.9%	-0.7%
Philippines	1	23	20	16	15	17	17	17	-4.1%	19.7%
South Korea	13	10	21	21	19	20	22	24	7.6%	3.8%
Taiwan	1	1	0	0	0	0	0	0		-100.0%
Thailand	194	297	383	444	439	431	451	461	2.2%	5.6%
Vietnam	333	386	308	342	343	322	346	315	-9.1%	-0.4%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Americas	20,994	21,012	21,390	23,192	24,633	26,738	27,760	26,926	-3.1%	1.6%
Argentina	863	831	712	657	637	630	632	612	-3.1%	-2.1%
Barbados	1	1	1	1	1	1	1	1	-8.1%	-3.3%
Bolivia	39	58	51	58	68	74	74	70	-4.5%	3.8%
Brazil	1,268	1,702	2,144	2,155	2,120	2,352	2,531	2,613	3.2%	4.6%
Canada	2,722	3,041	3,332	3,740	4,000	4,278	4,385	4,450	1.5%	3.1%
Chile	9	8	13	11	11	9	7	5	-26.3%	-3.4%
Colombia	688	528	788	947	1,012	994	1,009	890	-11.8%	1.6%
Cuba	51	54	56	52	51	55	55	51	-7.8%	0.0%
Ecuador	404	534	468	502	518	551	541	547	1.3%	1.9%
Guatemala	21	18	12	10	10	10	10	8	-22.2%	-8.2%
Mexico	3,452	3,768	2,961	2,922	2,890	2,805	2,600	2,463	-5.3%	-2.1%
Peru	104	116	156	153	166	173	150	134	-10.5%	1.6%
Suriname	10	12	21	20	21	20	19	18	-4.9%	3.9%
Trinidad and Tobago	138	171	148	120	117	114	109	96	-11.7%	-2.2%
United States	8,005	7,077	7,752	9,110	10,291	12,000	12,993	12,539	-3.5%	2.8%
Venezuela	3,220	3,093	2,775	2,733	2,722	2,672	2,665	2,429	-8.9%	-1.7%

(*) Data source: *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017.

Cluster of Companies (*)

2000

2016

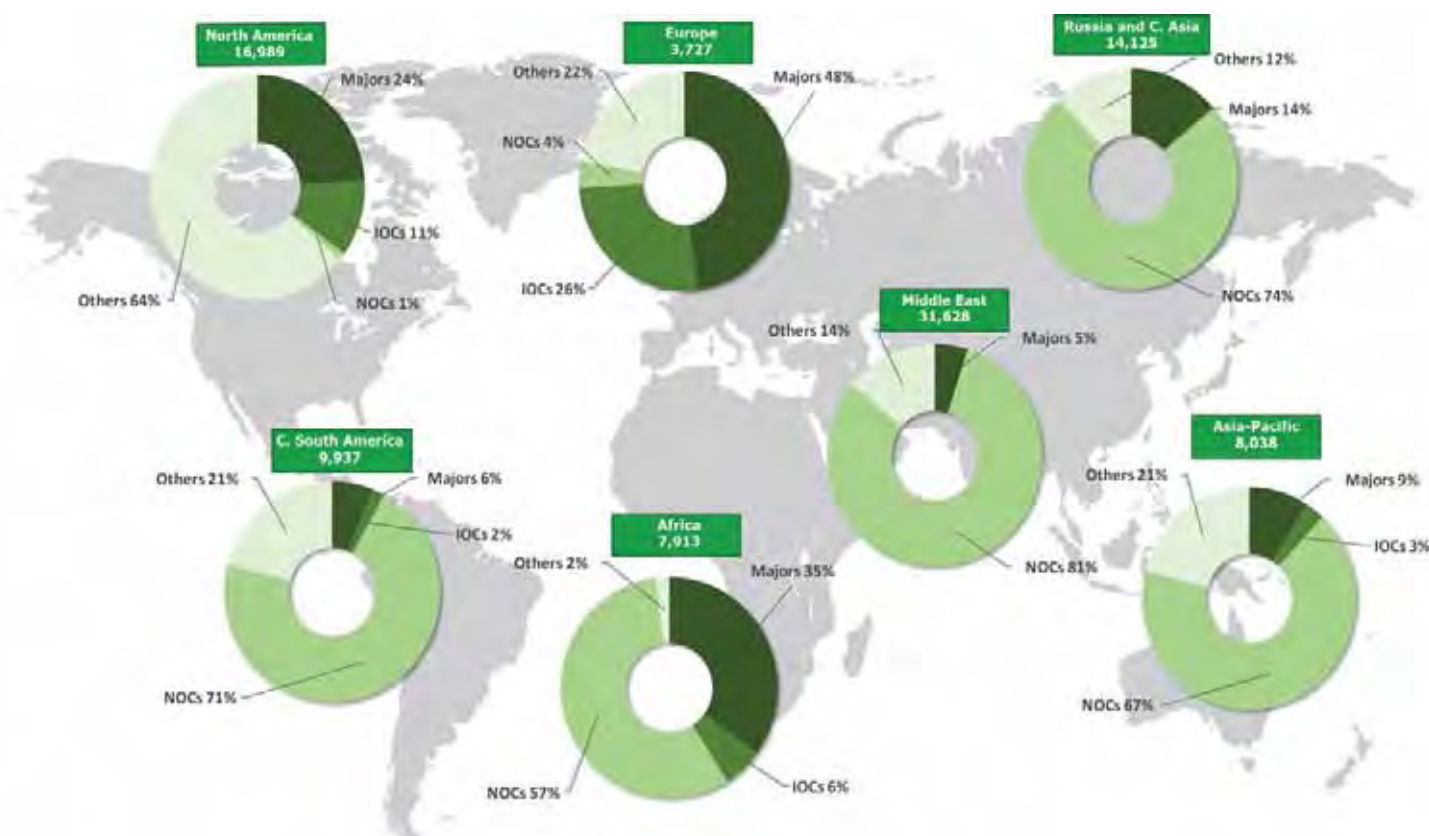
World: 75,182 thousand barrels/day

World 92,357 thousand barrels/day



2016

(thousand barrels/day)



(*) Majors: ExxonMobil, BP, Shell, Chevron, Total, Eni, Statoil, ConocoPhillips, Anadarko, Marathon Oil, Apache.

IOCs: BG, BHP Billiton, OMV, Repsol, Woodside Petroleum.

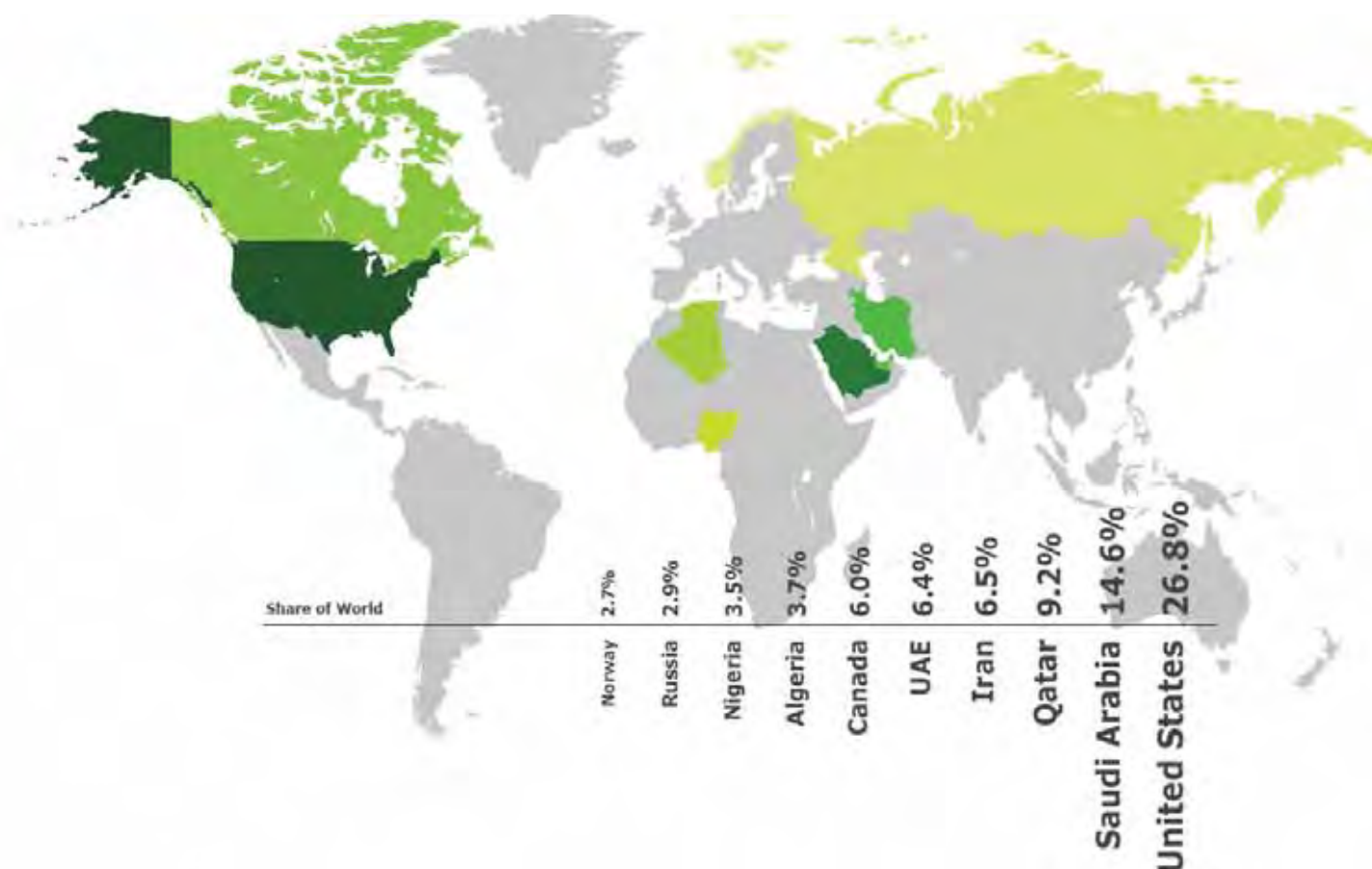
NOCs: ADNOC, Bahrain NOC, Bashneft, CNOOC, CNPC-PetroChina, CPC Taiwan, Dubai Petroleum, Ecopetrol, EGPC, Gazprom, INOC, Israel NOC, KazMunaiGaz, KNOC, KPC, Lukoil, Libyan NOC, MEDCO Energy, MOGE, Morocco NOC, Mubadala - Abu Dhabi, NIOC, NNPC, Novatek, Oil India, ONGC, Pakistan Oil Field, Pakistan Petroleum, PDO, PdVSA, Pemex, Pertamina, Petrobras, Petronas, PetroVietnam, PGNiG, PTTEP, QP, Rosneft, Saudi Aramco, Sinopec, SOCAR Azerbaijan, Sonangol, Sonatrach, Surgutneftegas, Syria Petroleum, Tatneft, Turkmenogas, Uzbekneftegas, YPF.

The World Top 10 Natural Gas Liquids Producers (*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
United States	1,911	1,717	2,074	2,408	2,606	3,014	3,342	3,495	4.6%	3.8%
Saudi Arabia	1,011	1,493	1,710	1,875	1,766	1,805	1,805	1,909	5.8%	4.1%
Qatar	173	442	898	1,136	1,175	1,174	1,192	1,198	0.5%	12.9%
Iran	75	346	510	547	607	625	749	848	13.1%	16.4%
United Arab Emirates	384	536	520	732	741	799	836	838	0.3%	5.0%
Canada	706	668	608	609	640	668	708	776	9.7%	0.6%
Algeria	630	603	515	454	425	465	481	487	1.2%	-1.6%
Nigeria	121	141	464	470	452	474	471	457	-3.0%	8.6%
Russia	50	145	251	251	287	319	368	377	2.5%	13.5%
Norway	124	272	267	306	305	327	338	347	2.8%	6.6%
The World Top 10	5,185	6,365	7,816	8,786	9,004	9,671	10,290	10,737	4.3%	4.7%
Rest of the world	2,012	2,229	2,496	2,481	2,429	2,402	2,317	2,315	-0.2%	0.9%
World	7,197	8,594	10,311	11,267	11,433	12,073	12,607	13,045	3.5%	3.8%

The World Top 10 (2016)

(*) Data source: *Monthly Oil Data Services* © OECD/International Energy Agency, 2017.

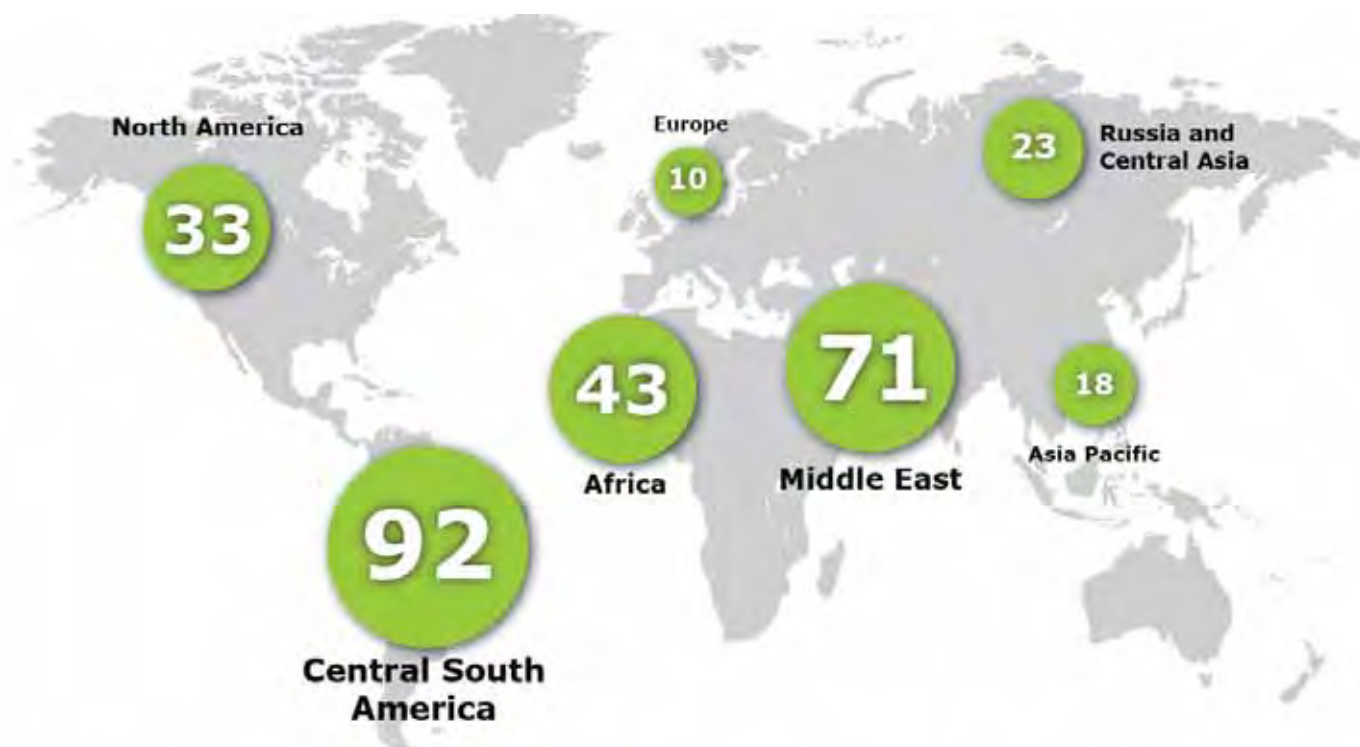
Areas and Aggregates ^(*)

(years)

	2000	2005	2010	2012	2013	2014	2015	2016
Europe	7	7	8	9	10	9	9	10
Russia and Central Asia	20	18	20	24	24	24	23	23
Middle East	81	80	86	78	78	77	74	71
Africa	33	31	33	35	38	40	40	43
Asia - Pacific	16	14	15	16	17	17	17	18
Americas	43	42	69	64	61	57	54	55
- North America	52	55	49	44	40	36	33	33
- Central South America	34	29	89	90	90	90	89	92
World	45	44	53	52	52	51	50	50
European Union	7	7	8	10	11	10	9	9
MENA	75	74	80	74	76	76	73	70
OECD	32	32	33	32	31	28	26	27
NON OECD	51	48	59	58	59	59	57	57
OPEC	72	70	92	86	88	88	85	84
NON OPEC	25	23	24	25	25	24	23	23

Reserves/Production Ratio (2016)

World: 50 years

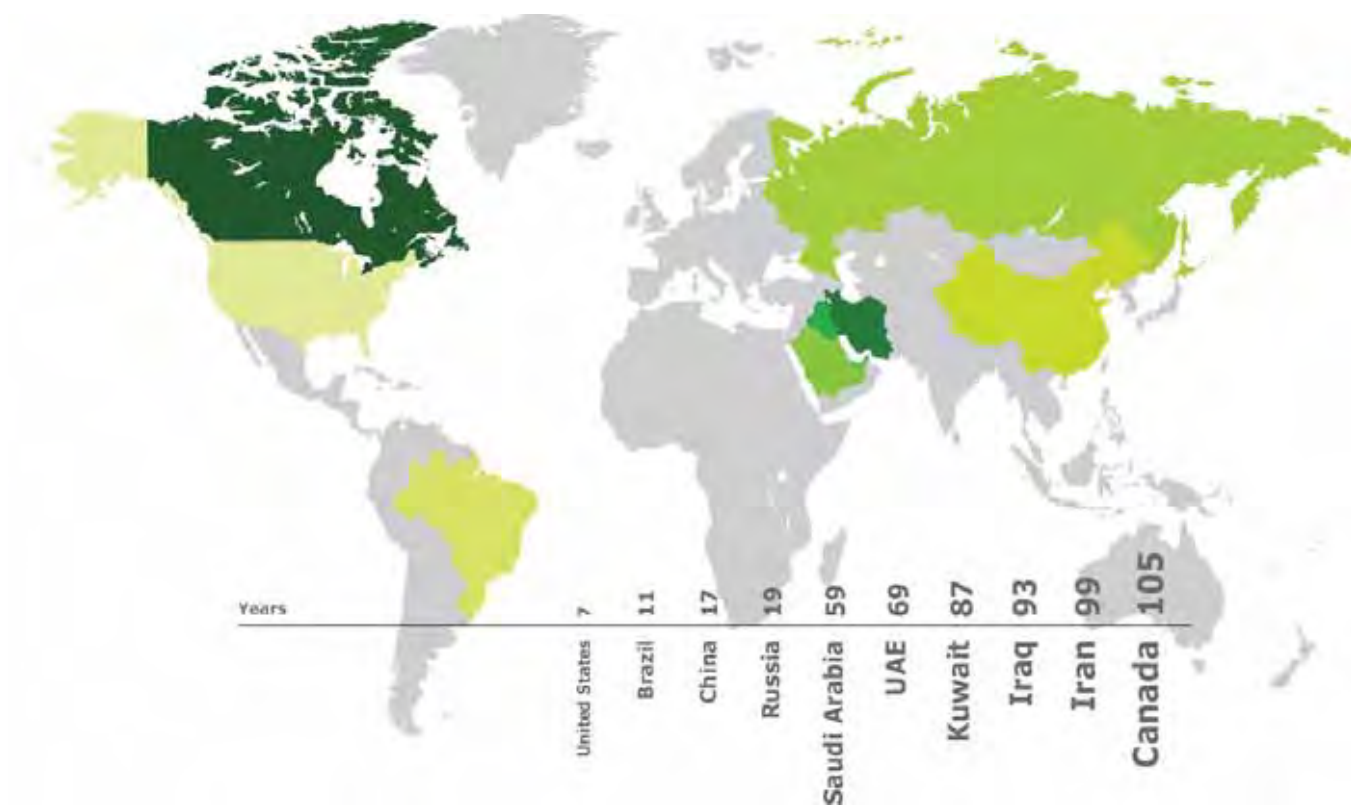


^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

The World Top 10 Producers Ranked by Reserves/Production Ratio^(*) (years)

	2000	2005	2010	2012	2013	2014	2015	2016
Canada	183	162	144	127	119	110	108	105
Iran	73	88	98	121	131	126	121	99
Iraq	119	172	161	127	125	114	95	93
Kuwait	122	109	111	93	89	90	90	87
United Arab Emirates	102	89	95	79	76	75	71	69
Saudi Arabia	77	66	73	62	63	63	61	59
Russia	20	17	16	21	20	20	20	19
China	20	14	14	16	16	16	16	17
Brazil	18	19	18	18	19	19	14	11
United States	8	9	9	10	10	9	7	7

The World Top 10 (2016)



^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries^(*)
(years)

	2000	2005	2010	2012	2013	2014	2015	2016
Europe	7	7	8	9	10	9	9	10
Albania	84	68	44	26	24	20	20	21
Austria	13	9	6	6	6	6	7	7
Belarus	16	15	17	18	20	21	22	23
Bulgaria	88	41	42	41	43	43	43	43
Croatia	9	9	11	14	15	16	14	13
Czech Republic	6	4	7	6	8	9	11	10
Denmark	8	9	10	10	11	10	10	10
France	10	12	8	9	10	10	10	10
Germany	13	9	10	9	10	11	10	11
Greece	5	11	12	17	20	23	23	9
Hungary	8	8	3	3	3	4	4	3
Italy ^(**)	20	10	14	15	14	15	15	21
Netherlands	6	6	24	17	9	10	9	11
Norway	8	7	7	8	9	8	7	9
Poland	23	9	14	22	16	15	14	14
Romania	24	11	18	19	19	20	20	21
Serbia	11	16	12	9	9	10	11	11
Slovakia	22	3	5	11	7	6	7	10
Spain	13	131	131	59	27	33	40	67
Turkey	16	19	16	17	17	16	16	19
Ukraine	14	11	14	14	16	18	21	23
United Kingdom	5	6	6	9	9	9	7	6

	2000	2005	2010	2012	2013	2014	2015	2016
Russia and Central Asia	20	18	20	24	24	24	23	23
Russia	20	17	16	21	20	20	20	19
Azerbaijan	11	43	18	22	22	22	23	23
Georgia	47	73	117	140	160	176	195	215
Kazakhstan	21	19	50	49	48	49	49	50
Kyrgyzstan	78	51	124	69	77	84	93	103
Tajikistan	88	100	168	55	60	66		
Turkmenistan	9	7	8	8	7	7	6	6
Uzbekistan	9	14	18	24	24	25	25	26

	2000	2005	2010	2012	2013	2014	2015	2016
Middle East	81	80	86	78	78	77	74	71
Bahrain	2	2	2	2	2	2	2	2
Iran	73	88	98	121	131	126	121	99
Iraq	119	172	161	127	125	114	95	93
Kuwait	122	109	111	93	89	90	90	87
Oman	17	20	17	16	14	15	15	15
Qatar	42	57	42	34	34	34	35	35
Saudi Arabia	77	66	73	62	63	63	61	59
Syria	11	18	18	40	115	210	257	272
United Arab Emirates	102	89	95	79	76	75	71	69
Yemen	15	19	27	47	43	56	190	505

^(*) Data source: Eni's calculations on *Enerdata Global Energy & CO₂ Data, Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 and other official data sources.

^(**) The original data are from Italian Ministry for Economic Development and *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017.

Countries^(*)
(years)

	2000	2005	2010	2012	2013	2014	2015	2016
Africa	33	31	33	35	38	40	40	43
Algeria	22	17	19	21	21	21	21	21
Angola	22	20	14	13	14	13	14	14
Cameroon	10	12	9	9	8	8	7	7
Chad		24	32	29	31	33	35	35
Congo	17	17	14	16	18	16	17	18
Côte d'Ivoire	42	7	6	7	8	10	10	11
Dem. Rep. Congo	24	21	20	20	21	22	23	25
Egypt	11	16	17	17	17	17	17	17
Equatorial Guinea	28	9	11	11	11	11	10	11
Gabon	24	22	22	22	24	24	24	24
Ghana	7	8	271	22	18	17	18	20
Libya	67	66	78	90	139	267	303	311
Mauritania			30	8	10	11	12	14
Morocco	21	4	13	12	13	13	13	13
Nigeria	37	39	40	41	44	44	45	52
Sudan	4	5	29	26	19	15	16	20
Tunisia	15	21	14	17	17	19	21	22

	2000	2005	2010	2012	2013	2014	2015	2016
Asia - Pacific	16	14	15	16	17	17	17	18
Australia	17	19	19	23	27	26	29	47
Bangladesh	42	13	16	17	18	19	20	21
Brunei	17	15	20	19	22	24	24	26
China	20	14	14	16	16	16	16	17
India	17	20	17	17	17	18	18	18
Indonesia	10	11	11	10	10	11	11	9
Japan	10	9	7	7	9	9	10	11
Malaysia	13	18	22	25	26	25	22	22
Myanmar	12	6	7	8	8	9	10	12
New Zealand	8	4	5	5	6	5	5	5
Pakistan	11	12	13	9	8	8	9	9
Papua New Guinea	16	12	8	16	17	12	8	7
Philippines		17	20	24	26	23	22	23
Taiwan	12	12						
Thailand	7	4	3	3	3	3	2	2
Vietnam	16	22	39	35	35	37	35	38

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries^(*)
(years)

	2000	2005	2010	2012	2013	2014	2015	2016
Americas	43	42	69	64	61	57	54	55
Argentina	9	7	10	10	10	10	10	10
Barbados	9	8	6	6	7	8	9	9
Bolivia	30	21	26	10	9	8	8	8
Brazil	18	19	18	18	19	19	14	11
Canada	183	162	144	127	119	110	108	105
Chile	48	54	32	37	40	49	61	82
Colombia	8	8	7	6	6	7	6	6
Cuba	16	38	6	7	7	6	6	7
Ecuador	31	27	42	45	47	41	42	41
Guatemala	19	14	19	23	24	24	24	31
Mexico	22	9	10	10	10	10	10	8
Peru	24	25	22	25	27	22	26	20
Suriname	22	26	11	11	10	11	11	10
Trinidad and Tobago	17	13	15	19	19	20	18	7
United States	8	9	9	10	10	9	7	7
Venezuela	65	71	293	298	300	308	309	340

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Areas and Aggregates ^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Europe	16,479	17,138	15,976	15,055	14,792	14,665	14,916	15,234	2.1%	-0.5%
Russia and Central Asia	3,243	3,303	3,376	3,748	3,929	4,157	4,151	4,315	4.0%	1.8%
Middle East	5,011	6,206	7,517	8,085	8,256	8,593	8,659	8,690	0.4%	3.5%
Africa	2,466	2,928	3,586	3,804	3,826	3,833	4,064	4,183	2.9%	3.4%
Asia - Pacific	20,885	24,178	27,481	29,304	30,151	30,713	31,844	32,875	3.2%	2.9%
Americas	29,060	30,862	30,403	30,227	30,795	31,021	31,358	31,262	-0.3%	0.5%
- North America	22,007	23,464	21,851	21,261	21,720	21,819	22,246	22,310	0.3%	0.1%
- Central South America	7,053	7,398	8,552	8,966	9,075	9,202	9,112	8,943	-1.9%	1.5%
World	77,144	84,015	88,359	90,223	91,749	92,902	94,993	96,561	1.7%	1.4%
European Union	14,672	15,163	14,001	13,056	12,800	12,737	12,866	13,113	1.9%	-0.7%
MENA	6,265	7,663	9,317	9,938	10,026	10,350	10,562	10,667	1.0%	3.4%
OECD	48,464	50,366	47,063	45,986	46,139	45,853	46,415	46,781	0.8%	-0.2%
NON OECD	28,680	34,249	41,276	44,237	45,610	47,128	48,577	49,780	2.5%	3.5%
OPEC	6,696	8,240	10,030	10,731	11,019	11,365	11,463	11,515	0.3%	3.4%
NON OPEC	70,448	76,375	78,309	79,491	80,730	81,617	83,510	85,046	1.8%	1.2%

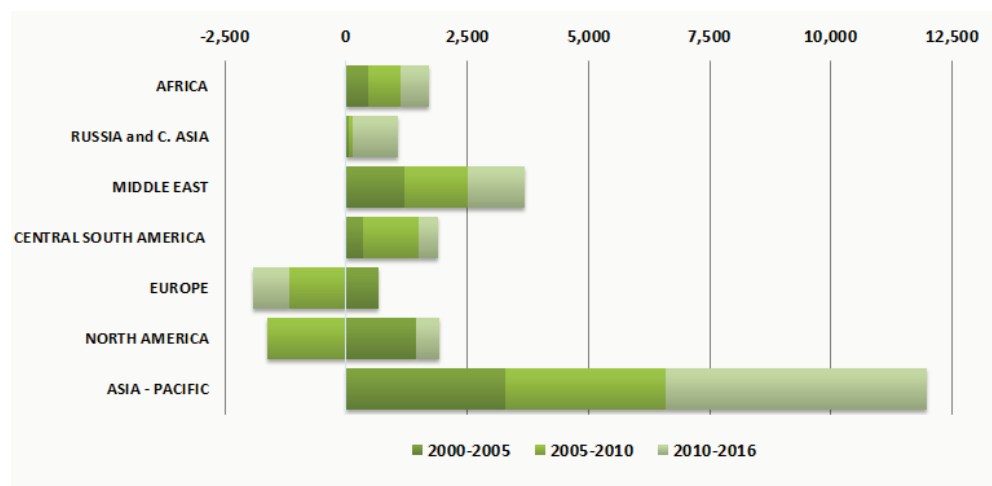
World Oil Consumption (2016)

96,561 thousand barrels/day



World Oil Consumption Growth (2000-2016)

19,417 thousand barrels/day

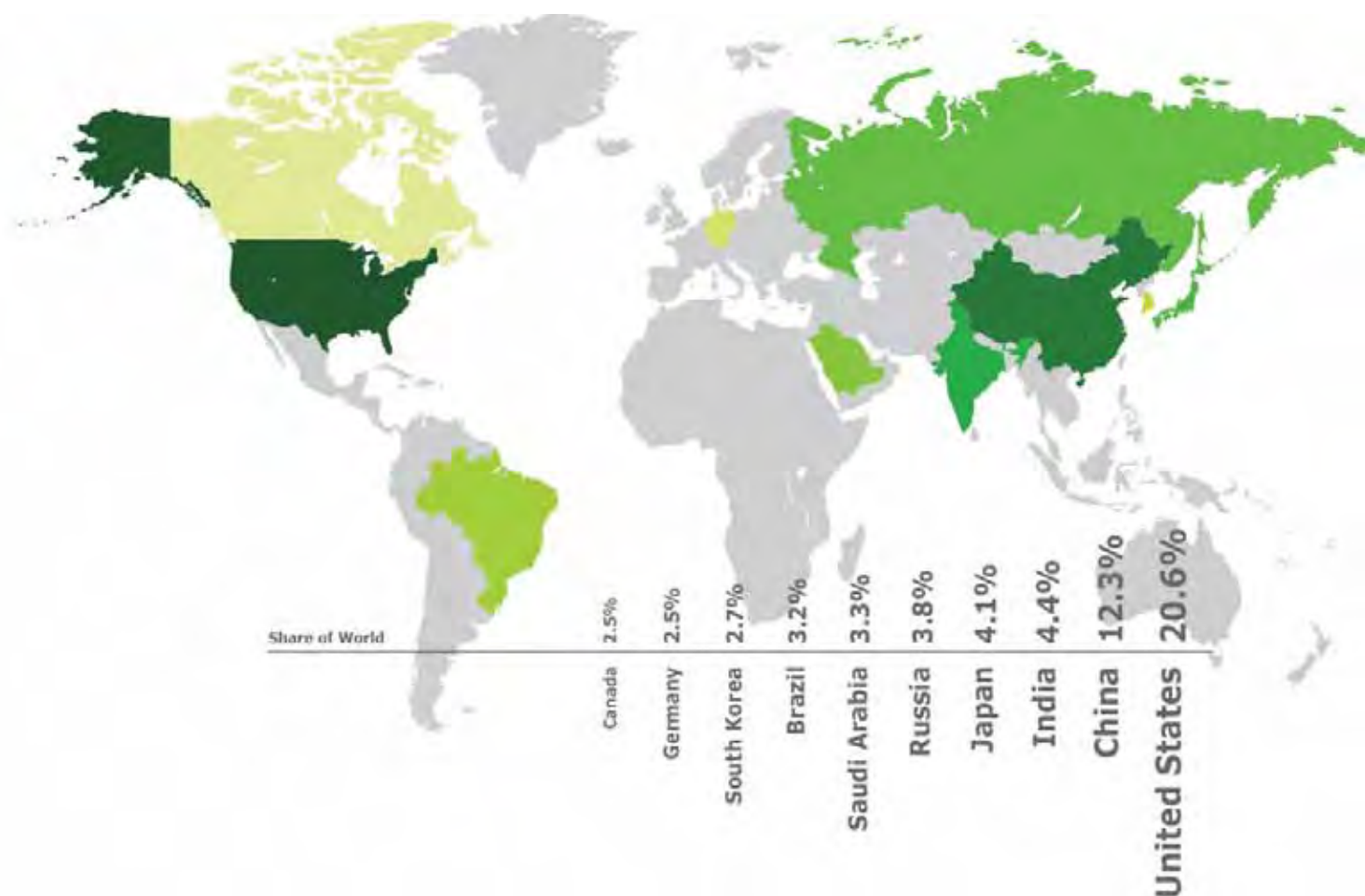
(*) Data source: Eni's calculations on *Monthly Oil Data Services* and *IEA Extended Balances* ° OECD/International Energy Agency, 2017 data.

The World Top 10 Consumers^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
United States	19,999	21,168	19,476	18,791	19,265	19,412	19,840	19,901	0.3%	0.0%
China	4,651	6,772	9,031	9,794	10,392	10,799	11,543	11,903	3.1%	6.0%
India	2,336	2,632	3,297	3,642	3,683	3,836	3,990	4,276	7.2%	3.9%
Japan	5,357	5,164	4,328	4,630	4,504	4,267	4,120	4,006	-2.8%	-1.8%
Russia	2,678	2,732	2,795	3,117	3,193	3,512	3,489	3,637	4.2%	1.9%
Saudi Arabia	1,571	1,941	2,674	2,980	2,964	3,191	3,293	3,220	-2.2%	4.6%
Brazil	2,135	2,173	2,774	2,968	3,112	3,244	3,192	3,076	-3.7%	2.5%
South Korea	2,135	2,191	2,269	2,322	2,328	2,348	2,407	2,566	6.6%	1.2%
Germany	2,767	2,624	2,467	2,389	2,435	2,374	2,372	2,422	2.1%	-0.8%
Canada	2,008	2,296	2,375	2,470	2,455	2,407	2,406	2,418	0.5%	1.2%
The World Top 10	45,636	49,694	51,485	53,103	54,332	55,389	56,632	57,423	1.4%	1.4%
Rest of the World	31,508	34,921	36,654	37,120	37,417	37,592	38,340	39,137	2.1%	1.4%
World	77,144	84,615	88,139	90,223	91,749	92,982	94,973	96,561	1.7%	1.4%

The World Top 10 (2016)



^(*) Data source: *Monthly Oil Data Services* and *IEA Extended Balances* © OECD/International Energy Agency, 2017.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Europe	16,479	17,138	15,976	15,055	14,792	14,885	14,916	15,234	2.1%	-0.5%
Albania	21	29	26	22	27	28	28	28	0.4%	1.9%
Austria	250	299	278	261	264	261	265	269	1.5%	0.4%
Belarus	119	148	151	208	145	163	160	158	-1.3%	1.8%
Belgium	610	664	664	603	623	619	648	659	1.7%	0.5%
Bosnia Herzegovina	23	23	34	31	29	30	31	32	3.6%	2.2%
Bulgaria	86	99	84	84	79	85	90	94	3.9%	0.6%
Croatia	82	94	78	72	68	67	70	72	2.6%	0.8%
Cyprus	50	57	52	53	47	47	47	47	0.6%	-0.4%
Czech Republic	170	213	201	194	187	200	193	176	-8.8%	0.2%
Denmark	210	183	187	155	155	154	154	158	2.5%	-1.7%
Estonia	21	26	26	30	30	29	28	28	-0.7%	1.7%
Finland	213	221	214	201	197	195	192	195	1.6%	-0.5%
France	2,091	1,990	1,822	1,739	1,714	1,692	1,691	1,689	-0.1%	-1.1%
Germany	2,767	2,624	2,467	2,389	2,435	2,374	2,572	2,422	2.1%	0.8%
Gibraltar	53	79	83	83	77	58	64	67	5.1%	1.6%
Greece	399	424	372	308	283	284	298	299	0.6%	-1.8%
Hungary	143	155	149	132	130	145	155	155	0.3%	0.5%
Iceland	16	17	15	17	15	16	17	19	12.4%	1.0%
Ireland	172	197	164	136	139	139	148	149	0.9%	-0.9%
Italy	1,854	1,781	1,544	1,370	1,260	1,266	1,266	1,267	0.1%	-2.4%
Kosovo	7	10	11	12	12	11	13	13	2.7%	4.0%
Latvia	32	36	38	34	35	35	36	37	2.8%	0.8%
Lithuania	59	59	56	55	53	52	53	54	2.5%	-0.5%
Luxembourg	48	65	60	59	58	57	56	56	-0.4%	0.9%
Macedonia	19	18	18	19	19	19	20	21	2.8%	0.7%
Malta	29	32	46	42	40	41	42	43	2.0%	2.6%
Moldova	13	14	17	16	17	17	17	18	1.8%	1.8%
Montenegro	2	6	6	6	6	6	6	6	3.0%	7.3%
Netherlands	932	1,090	1,030	998	991	991	946	991	4.9%	0.4%
Norway	209	222	229	215	218	211	218	220	0.9%	0.3%
Poland	411	471	568	533	505	506	528	581	10.1%	2.2%
Portugal	333	337	274	230	234	234	245	238	-2.8%	-2.1%
Romania	206	224	176	191	182	186	191	200	4.5%	-0.2%
Serbia	27	83	81	70	72	69	72	74	2.7%	6.0%
Slovakia	67	78	84	71	75	74	83	86	4.0%	1.6%
Slovenia	50	54	55	54	51	50	50	52	4.9%	0.3%
Spain	1,433	1,607	1,441	1,301	1,208	1,200	1,255	1,271	1.2%	-0.7%
Sweden	362	360	336	300	297	305	291	305	4.6%	-1.1%
Switzerland	270	267	261	246	251	230	230	218	-5.0%	-1.3%
Turkey	667	659	673	696	763	765	878	945	7.6%	2.2%
Ukraine	276	307	293	286	274	238	225	229	1.9%	-1.2%
United Kingdom	1,765	1,819	1,626	1,535	1,527	1,520	1,545	1,593	3.1%	-0.6%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Russia and Central Asia^(**)	3,243	3,303	3,376	3,748	3,929	4,157	4,151	4,310	4.0%	1.8%
Russia	2,678	2,732	2,795	3,117	3,193	3,512	3,489	3,637	4.2%	1.9%
Armenia	6	9	9	9	8	8	8	8	3.3%	1.7%
Azerbaijan	106	104	74	90	97	96	96	95	-1.4%	-0.7%
Georgia	18	17	22	22	22	24	25	26	4.3%	2.3%
Kazakhstan	208	198	233	257	348	262	265	266	0.5%	1.6%
Kyrgyzstan	15	14	27	36	36	25	26	27	2.7%	3.6%
Tajikistan	3	6	11	16	18	22	24	25	5.7%	14.2%
Turkmenistan	104	120	126	136	144	150	157	166	5.7%	3.0%
Uzbekistan	106	103	80	66	63	59	61	65	6.0%	-3.0%

(*) Data source: *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017.(**) Data source: Eni's estimates on *Monthly Oil Data Services* and *IEA Extended Balances* ° OECD/International Energy Agency, 2017 data.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Middle East	5,011	6,206	7,517	8,085	8,256	8,593	8,659	8,690	0.4%	3.5%
Bahrain	34	64	62	63	61	59	60	61	2.2%	3.6%
Iran	1,419	1,723	1,831	1,843	2,045	2,039	1,983	1,959	-1.2%	2.0%
Iraq	471	575	655	782	856	881	827	851	2.8%	3.8%
Israel	252	233	251	285	235	221	225	229	2.1%	-0.6%
Jordan	101	112	103	147	141	156	161	167	3.5%	3.2%
Kuwait	216	327	450	483	449	462	458	468	2.0%	4.9%
Lebanon	93	97	120	140	140	149	152	155	2.1%	3.2%
Oman	64	72	127	156	157	178	192	197	2.5%	7.3%
Qatar	48	89	182	213	213	234	282	299	6.1%	12.1%
Saudi Arabia	1,571	1,941	2,674	2,980	2,964	3,191	3,293	3,220	-2.2%	4.6%
Syria	228	324	299	201	153	139	129	125	-3.4%	-3.7%
United Arab Emirates	416	511	617	665	696	748	780	847	8.6%	4.6%
Yemen	98	139	146	126	146	136	117	113	-4.0%	0.9%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Africa	2,466	2,928	3,586	3,604	3,828	3,833	4,064	4,183	2.9%	3.4%
Algeria	240	271	352	396	418	433	459	454	-1.2%	4.1%
Angola	37	42	103	115	132	143	151	156	3.0%	9.4%
Benin	10	19	35	37	40	43	44	47	4.9%	9.8%
Cameroon	21	22	34	37	39	39	40	41	3.6%	4.2%
Congo	4	6	12	14	16	16	17	18	3.9%	9.5%
Côte d'Ivoire	27	24	24	33	36	42	44	46	4.7%	3.4%
Dem. Rep. Congo	8	13	16	18	27	36	38	41	6.3%	10.8%
Egypt	539	688	798	834	711	680	808	880	8.9%	1.1%
Ethiopia	23	33	45	52	59	64	68	71	5.0%	7.3%
Gabon	14	15	20	22	24	24	25	26	5.0%	4.2%
Ghana	39	49	72	90	97	89	92	96	4.7%	5.8%
Kenya	61	62	84	81	87	90	94	98	3.9%	3.0%
Libya	244	264	304	262	278	272	263	260	-1.2%	0.4%
Morocco	147	193	257	277	277	269	277	285	3.1%	4.2%
Mozambique	10	11	16	18	19	22	24	25	5.6%	6.0%
Nigeria	224	300	274	280	285	268	263	254	-3.2%	0.8%
Senegal	31	36	58	38	41	43	45	47	5.1%	2.6%
South Africa	431	496	585	611	633	628	660	664	0.7%	2.7%
Sudan	43	77	112	113	114	113	115	117	2.2%	6.5%
Tanzania	18	30	35	56	59	59	62	66	6.0%	8.5%
Tunisia	84	91	88	85	88	96	96	97	1.2%	0.9%
Zambia	11	14	13	19	20	22	23	24	3.6%	5.1%
Zimbabwe	23	14	13	28	29	27	27	27	0.6%	1.0%
Others Africa	178	207	256	291	298	311	329	342	3.9%	4.2%

(*) Data source: *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Asia - Pacific	20,885	24,178	27,461	29,304	30,151	30,713	31,844	32,875	3.2%	2.9%
Australia	872	962	1,055	1,095	1,121	1,119	1,123	1,119	-0.4%	1.6%
Bangladesh	66	80	80	106	106	114	125	135	7.5%	4.6%
Brunei	13	14	16	17	17	16	17	18	5.4%	2.1%
China	4,851	6,772	9,031	9,794	10,592	10,799	11,545	11,903	3.1%	6.0%
Hong Kong	250	290	416	347	354	341	376	374	-1.1%	2.6%
India	2,336	2,632	3,297	3,642	3,683	3,836	3,990	4,276	7.2%	3.9%
Indonesia	1,152	1,342	1,513	1,613	1,613	1,652	1,740	1,807	3.9%	2.9%
Japan	5,357	5,164	4,328	4,630	4,504	4,267	4,120	4,006	-2.8%	-1.8%
Malaysia	445	509	586	613	714	733	768	804	4.6%	3.8%
Myanmar	37	42	24	45	59	90	96	101	5.0%	6.5%
Nepal	15	16	22	25	27	31	32	33	3.9%	5.1%
New Zealand	134	153	153	152	154	157	161	166	3.6%	1.4%
North Korea	20	18	17	16	18	17	16	16	0.4%	-1.4%
Pakistan	374	336	410	425	455	483	501	523	4.4%	2.1%
Philippines	350	312	314	310	328	349	378	408	7.5%	0.9%
Singapore	729	859	1,163	1,228	1,222	1,214	1,256	1,324	5.4%	3.8%
South Korea	2,135	2,191	2,269	2,322	2,328	2,348	2,407	2,566	6.6%	1.2%
Sri Lanka	76	96	88	108	94	104	110	118	5.4%	2.7%
Taiwan	868	991	1,025	958	970	982	994	1,005	0.9%	0.9%
Thailand	748	1,008	1,128	1,248	1,331	1,349	1,336	1,388	3.9%	3.9%
Vietnam	165	263	395	343	352	390	412	434	5.3%	6.2%
Others Asia - Pacific	93	126	173	285	307	322	339	358	5.4%	8.8%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Americas	29,060	30,862	30,403	30,227	30,795	31,021	31,358	31,262	-0.3%	0.5%
Argentina	549	570	690	758	749	787	769	768	0.0%	2.1%
Bolivia	40	47	63	77	78	83	88	91	3.5%	5.2%
Brazil	2,135	2,173	2,774	2,968	3,112	3,244	3,192	3,076	-3.7%	2.3%
Canada	2,008	2,296	2,375	2,470	2,455	2,407	2,406	2,418	0.5%	1.2%
Chile	240	272	323	332	340	337	342	347	1.7%	2.3%
Colombia	270	263	267	318	314	328	342	349	2.0%	1.6%
Costa Rica	37	43	49	50	52	52	55	57	3.2%	2.7%
Cuba	196	178	214	200	189	193	195	197	1.2%	0.0%
Dominican Republic	123	119	120	121	116	111	114	116	2.6%	-0.4%
Ecuador	147	195	246	256	268	287	288	285	-1.0%	4.2%
El Salvador	37	45	44	44	44	46	46	47	1.6%	1.5%
Guatemala	61	72	71	72	82	100	102	104	1.9%	3.4%
Haiti	10	14	14	16	18	19	20	20	1.3%	4.3%
Honduras	28	43	46	51	51	55	56	57	1.4%	4.5%
Jamaica	66	70	50	50	55	54	54	54	1.2%	-1.2%
Mexico	2,062	2,069	2,096	2,102	2,090	2,040	2,007	1,952	-2.7%	-0.3%
Netherlands Antilles	74	79	73	59	58	61	63	64	2.4%	-0.9%
Nicaragua	24	27	29	30	29	31	33	34	3.4%	2.2%
Panama	84	87	125	134	135	140	144	150	3.9%	3.6%
Paraguay	23	25	35	38	38	40	42	44	3.6%	4.1%
Peru	163	160	202	223	227	222	246	256	3.8%	2.8%
Trinidad and Tobago	29	47	47	44	50	46	45	45	-0.6%	2.7%
United States	19,999	21,168	19,476	18,791	19,265	19,412	19,840	19,901	0.3%	0.0%
Uruguay	43	43	52	65	58	52	52	53	0.5%	1.3%
Venezuela	497	647	808	823	777	728	672	629	-6.5%	1.5%
Others Americas	113	112	114	134	143	145	148	150	1.3%	1.8%

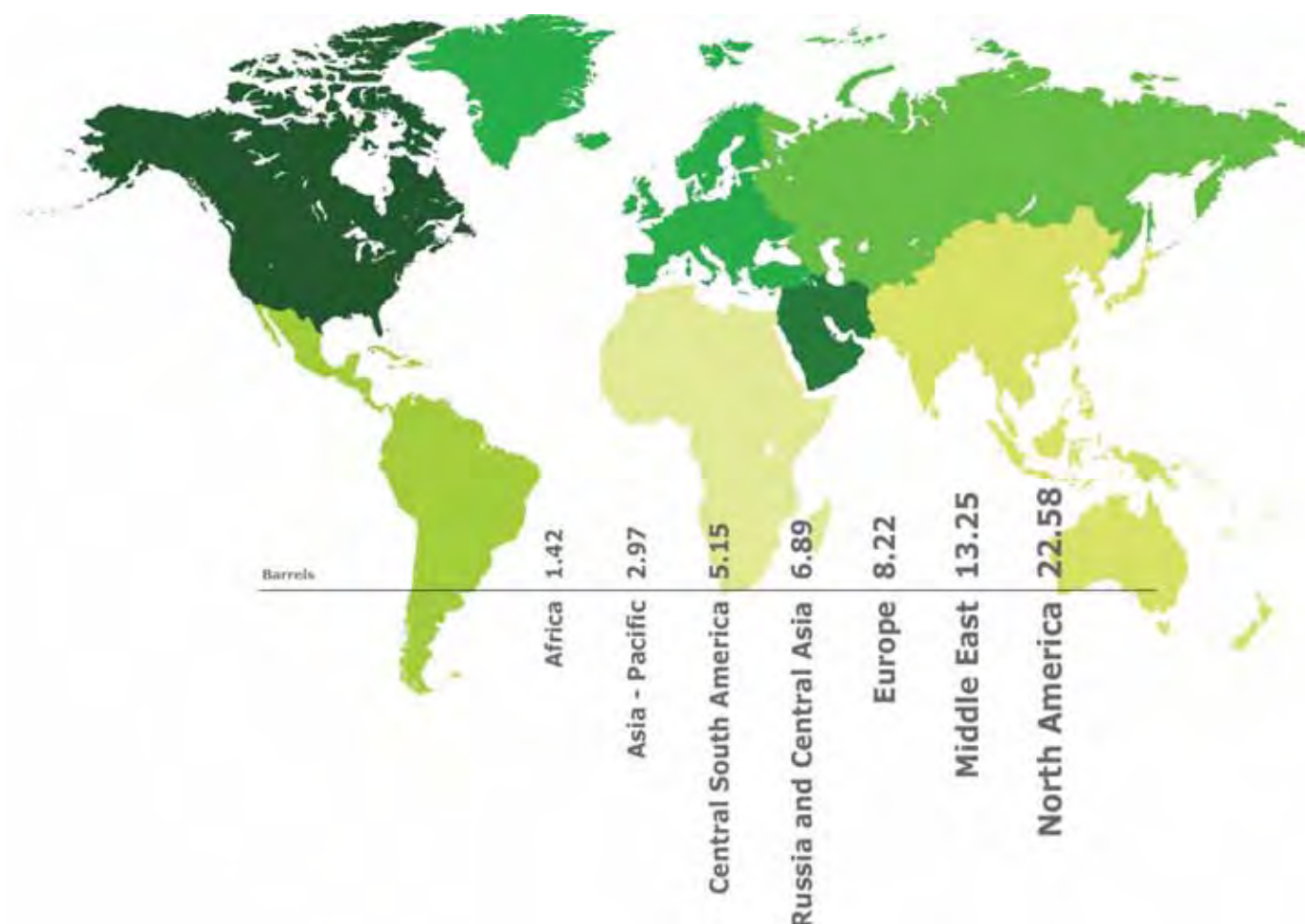
(*) Data source: *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017.

Areas and Aggregates (*)

(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016
Europe	9.39	9.60	8.80	8.24	8.07	7.98	8.08	8.22
Russia and Central Asia	5.44	5.54	5.56	6.11	6.37	6.70	6.66	6.89
Middle East	10.92	12.09	12.87	13.27	13.30	13.59	13.45	13.25
Africa	1.23	1.29	1.40	1.43	1.40	1.37	1.41	1.42
Asia - Pacific	2.23	2.44	2.63	2.75	2.80	2.83	2.90	2.97
Americas	12.72	12.72	11.84	11.54	11.64	11.60	11.62	11.47
- North America	25.63	26.06	23.18	22.21	22.51	22.43	22.69	22.58
- Central South America	4.95	4.85	5.26	5.39	5.40	5.41	5.30	5.15
World	9.59	9.73	9.65	9.84	9.67	9.68	9.72	9.74
European Union	11.08	11.26	10.24	9.51	9.31	9.25	9.32	9.46
MENA	7.35	8.18	8.94	9.17	9.08	9.20	9.22	9.15
OECD	15.36	15.39	13.87	13.38	13.34	13.18	13.26	13.27
NON OECD	2.10	2.35	2.65	2.77	2.82	2.87	2.92	2.96
OPEC	7.45	8.20	8.86	9.05	9.08	9.16	9.06	8.89
NON OPEC	4.43	4.53	4.38	4.36	4.38	4.38	4.43	4.46

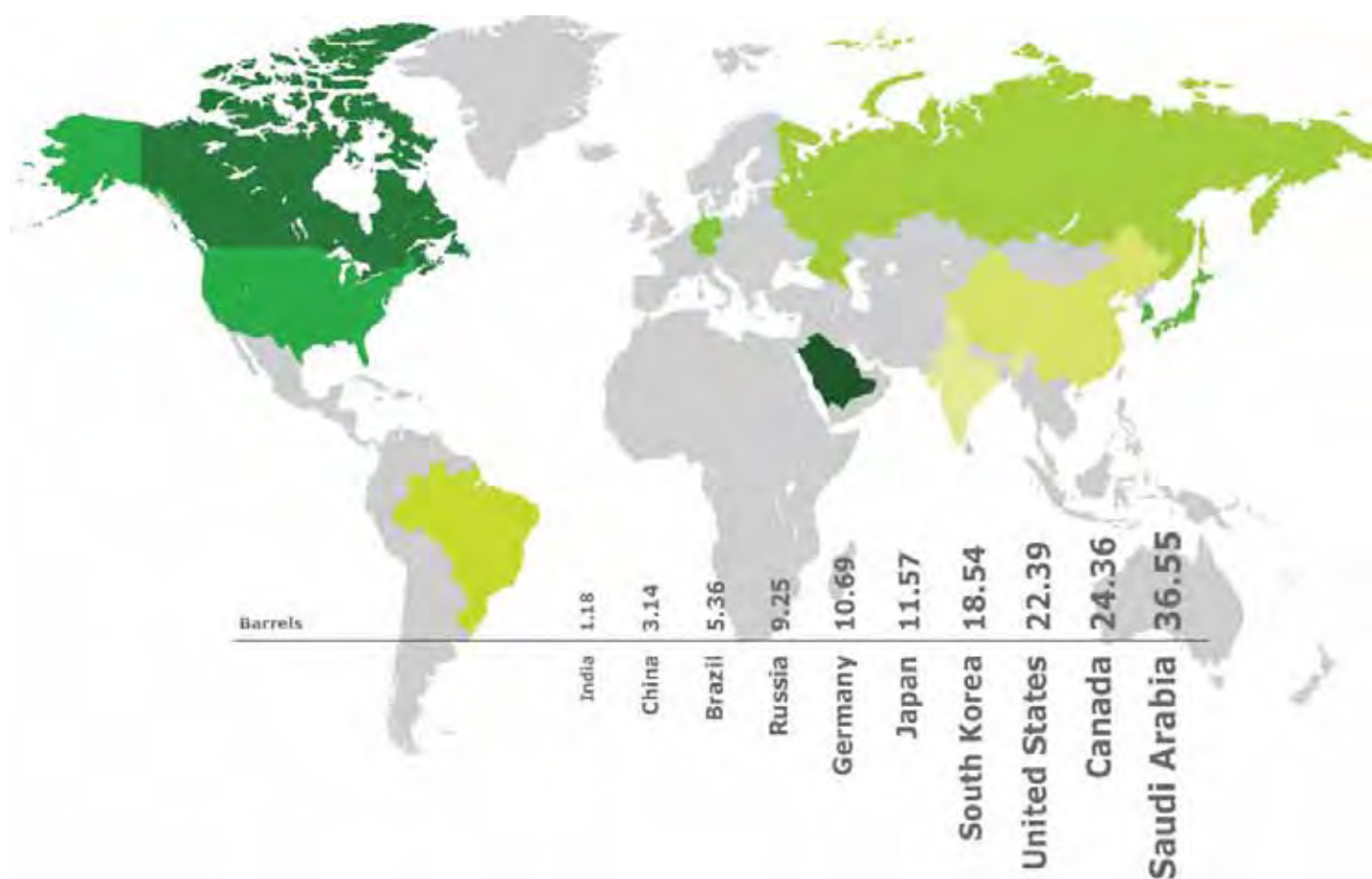
Per Capita Consumption (2016)

(*) Data source: Eni's calculations on *Monthly Oil Data Services*, IEA *Extended Balances* ° OECD/International Energy Agency, 2017 and IHS Global Insight data.

The World Top 10 Consumers Ranked by Per Capita Consumption^(*) (barrels)

	2000	2005	2010	2012	2013	2014	2015	2016
Saudi Arabia	26.81	28.63	34.74	36.88	35.82	37.71	38.10	36.55
Canada	23.91	26.03	25.53	25.99	25.53	24.75	24.51	24.36
United States	25.81	26.06	22.92	21.79	22.18	22.18	22.49	22.39
South Korea	16.87	16.80	16.87	17.08	17.05	17.11	17.47	18.54
Japan	15.55	14.84	12.41	13.29	12.95	12.28	11.88	11.57
Germany	12.40	11.78	11.22	10.84	11.02	10.70	10.60	10.69
Russia	6.68	6.94	7.13	7.94	8.13	8.94	8.88	9.25
Brazil	4.43	4.21	5.10	5.35	5.56	5.75	5.61	5.36
China	1.34	1.89	2.46	2.64	2.78	2.88	3.06	3.14
India	0.81	0.84	0.98	1.05	1.05	1.08	1.11	1.18

The World Top 10 (2016)



^(*) Data source: Eni's calculations on *Monthly Oil Data Services*, *IEA Extended Balances* ° OECD/International Energy Agency, 2017 and IHS Global Insight data.

Countries^(*)
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016
Europe	9.39	9.60	8.80	8.24	8.07	7.98	8.08	8.22
Albania	2.49	3.48	3.20	2.82	3.38	3.55	3.57	3.59
Austria	11.33	13.25	12.07	11.25	11.36	11.19	11.30	11.44
Belarus	4.38	5.59	5.81	7.98	5.59	6.28	6.16	6.09
Belgium	21.68	22.95	22.19	19.86	20.38	20.12	20.93	21.14
Bosnia Herzegovina	2.19	2.22	3.23	2.95	2.78	2.85	2.99	3.10
Bulgaria	3.91	4.72	4.16	4.19	3.99	4.33	4.61	4.83
Croatia	6.78	7.83	6.59	6.11	5.78	5.76	6.03	6.21
Cyprus	19.30	20.00	18.87	16.97	14.99	14.76	14.64	14.59
Czech Republic	6.04	7.59	6.99	6.73	6.51	6.93	6.70	6.10
Denmark	14.36	12.36	11.01	10.13	10.05	9.93	9.95	10.16
Estonia	5.48	7.00	7.26	8.38	8.27	7.97	7.70	7.67
Finland	15.02	15.36	14.58	13.50	13.20	12.83	12.75	12.91
France	12.30	11.86	10.56	9.99	9.80	9.63	9.58	9.53
Germany	12.40	11.78	11.22	10.84	11.02	10.70	10.60	10.69
Greece	13.30	13.98	12.16	10.05	9.33	9.42	9.92	10.01
Hungary	5.11	5.60	5.44	4.85	4.76	5.35	5.75	5.77
Iceland	20.77	21.07	16.90	18.68	17.25	17.89	18.41	20.55
Ireland	16.34	17.07	12.99	10.66	10.87	10.84	11.51	11.54
Italy	11.84	11.08	9.46	8.37	7.69	7.73	7.73	7.73
Kosovo	1.50	2.06	2.35	2.44	2.46	2.31	2.59	2.56
Latvia	4.93	5.90	6.55	6.14	6.31	6.42	6.60	6.83
Lithuania	6.15	6.46	6.51	6.61	6.53	6.53	6.66	6.89
Luxembourg	40.17	51.69	43.18	40.61	39.17	37.12	36.06	35.34
Macedonia	3.35	3.17	3.20	3.24	3.24	3.23	3.57	3.67
Malta	26.66	28.80	40.87	36.80	35.05	35.61	36.52	37.06
Moldova	1.33	1.46	1.71	1.67	1.72	1.77	1.78	1.81
Montenegro	1.19	3.49	3.74	3.45	3.33	3.41	3.53	3.64
Netherlands	21.40	24.35	22.60	21.74	21.52	21.45	20.39	21.31
Norway	16.98	17.49	17.07	15.66	15.67	14.97	15.29	15.24
Poland	3.90	4.47	5.37	5.04	4.77	4.78	4.99	5.49
Portugal	11.83	11.73	9.44	7.99	8.17	8.22	8.62	8.42
Romania	3.41	3.81	3.17	3.50	3.35	3.46	3.58	3.77
Serbia	1.33	4.09	4.04	3.54	3.67	3.52	3.72	3.84
Slovakia	4.54	5.32	5.65	4.80	5.06	4.97	5.55	5.77
Slovenia	9.18	9.81	9.87	9.57	9.08	8.91	8.77	9.19
Spain	12.84	13.38	11.29	10.18	9.49	9.47	9.94	10.07
Sweden	14.89	14.53	13.06	11.48	11.25	11.47	10.88	11.29
Switzerland	13.75	13.14	12.15	11.18	11.27	10.24	10.10	9.50
Turkey	3.85	3.55	3.40	3.40	3.65	3.60	4.07	4.33
Ukraine	2.09	2.40	2.35	2.30	2.21	1.93	1.83	1.87
United Kingdom	10.94	10.99	9.45	8.79	8.70	8.59	8.66	8.81

	2000	2005	2010	2012	2013	2014	2015	2016
Russia and Central Asia ^(**)	5.44	5.54	5.56	6.11	6.37	6.70	6.66	6.89
Russia	6.68	6.94	7.13	7.94	8.13	8.94	8.88	9.25
Armenia	0.76	1.09	1.11	1.07	0.95	0.95	0.98	1.01
Azerbaijan	4.78	4.42	2.97	3.53	3.72	3.64	3.59	3.50
Georgia	1.40	1.42	1.92	1.93	2.01	2.13	2.27	2.38
Kazakhstan	5.03	4.69	5.21	5.58	7.43	5.50	5.48	5.43
Kyrgyzstan	1.13	0.99	1.77	2.31	2.30	1.58	1.62	1.64
Tajikistan	0.18	0.31	0.52	0.71	0.81	0.99	1.02	1.06
Turkmenistan	8.46	9.22	9.11	9.62	10.00	10.28	10.69	11.17
Uzbekistan	1.57	1.44	1.05	0.84	0.79	0.73	0.74	0.78

(*) Data source: Eni's calculations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 and IHS Global Insight data.

(**) Data source: Eni's calculations on *Monthly Oil Data Services, IEA Extended Balances* ° OECD/International Energy Agency, 2017 and IHS Global Insight data.

Countries^(*)

(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016
Middle East	10.92	12.09	12.87	13.27	13.30	13.59	13.45	13.25
Bahrain	18.80	26.93	18.03	17.37	16.37	15.71	15.77	15.90
Iran	7.87	8.97	9.00	8.83	9.67	9.52	9.15	8.94
Iraq	7.30	7.77	7.75	8.66	9.16	9.12	8.29	8.27
Israel	15.30	12.90	12.36	13.53	10.95	10.14	10.17	10.22
Jordan	7.72	7.64	5.78	7.70	7.15	7.68	7.74	7.86
Kuwait	40.83	52.78	53.63	51.54	45.58	44.97	42.97	42.59
Lebanon	10.55	8.85	10.08	10.39	9.64	9.68	9.48	9.45
Oman	10.35	10.48	15.71	16.05	14.70	15.35	15.64	15.46
Qatar	29.72	38.71	37.63	38.51	37.05	39.29	45.98	47.62
Saudi Arabia	26.81	28.63	34.74	36.88	35.82	37.71	38.10	36.55
Syria	5.09	6.51	5.26	3.67	2.90	2.71	2.55	2.46
United Arab Emirates	49.74	41.58	27.04	27.13	28.11	30.05	31.10	33.37
Yemen	2.02	2.47	2.26	1.85	2.09	1.89	1.60	1.50

	2000	2005	2010	2012	2013	2014	2015	2016
Africa	1.23	1.29	1.40	1.43	1.40	1.37	1.41	1.42
Algeria	2.81	2.97	3.57	3.86	4.00	4.06	4.22	4.10
Angola	0.90	0.86	1.78	1.84	2.05	2.16	2.21	2.21
Benin	0.55	0.85	1.33	1.36	1.41	1.47	1.49	1.53
Cameroon	0.49	0.45	0.61	0.63	0.64	0.62	0.62	0.63
Congo	0.49	0.67	1.11	1.17	1.30	1.31	1.35	1.37
Côte d'Ivoire	0.59	0.49	0.43	0.57	0.61	0.69	0.71	0.72
Dem. Rep. Congo	0.06	0.08	0.09	0.10	0.13	0.18	0.18	0.19
Egypt	2.88	3.11	3.55	3.55	2.96	2.80	3.22	3.44
Ethiopia	0.13	0.16	0.19	0.21	0.23	0.24	0.25	0.26
Gabon	4.09	3.96	4.58	4.90	5.23	5.12	5.23	5.37
Ghana	0.75	0.84	1.08	1.28	1.35	1.21	1.23	1.26
Kenya	0.72	0.64	0.76	0.69	0.73	0.73	0.74	0.75
Libya	16.67	16.60	17.71	15.22	16.22	15.88	15.12	14.98
Morocco	1.85	2.32	2.92	3.06	3.02	2.90	2.94	2.99
Mozambique	0.20	0.19	0.24	0.25	0.26	0.30	0.31	0.32
Nigeria	0.66	0.78	0.63	0.61	0.60	0.55	0.53	0.50
Senegal	1.16	1.17	1.07	1.00	1.05	1.07	1.09	1.11
South Africa	3.50	3.74	4.14	4.22	4.33	4.24	4.42	4.41
Sudan	0.46	0.73	0.94	1.19	1.17	1.14	1.14	1.14
Tanzania	0.19	0.28	0.28	0.42	0.43	0.41	0.42	0.43
Tunisia	3.18	3.30	3.02	2.86	2.90	3.13	3.11	3.12
Zambia	0.37	0.43	0.34	0.47	0.47	0.50	0.52	0.52
Zimbabwe	0.68	0.40	0.34	0.69	0.70	0.64	0.63	0.62

(*) Data source: Eni's calculations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 and IHS Global Insight data.

Countries^(*)
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016
Asia - Pacific	2.23	2.44	2.63	2.75	2.80	2.83	2.90	2.97
Australia	16.66	17.33	17.04	17.45	17.58	17.28	17.11	16.79
Bangladesh	0.18	0.20	0.19	0.25	0.25	0.26	0.28	0.30
Brunei	14.08	13.75	15.25	15.47	15.09	14.34	14.58	15.16
China	1.34	1.89	2.46	2.64	2.78	2.88	3.06	3.14
Hong Kong	13.45	15.48	21.71	17.84	18.04	17.21	18.96	18.59
India	0.81	0.84	0.98	1.05	1.05	1.08	1.11	1.18
Indonesia	1.99	2.17	2.29	2.37	2.34	2.37	2.47	2.53
Japan	15.55	14.84	12.41	13.29	12.95	12.28	11.88	11.57
Malaysia	6.94	7.20	7.61	7.71	8.85	8.94	9.25	9.54
Myanmar	0.28	0.31	0.17	0.31	0.40	0.62	0.65	0.68
Nepal	0.23	0.23	0.30	0.33	0.36	0.40	0.41	0.42
New Zealand	12.68	13.49	12.76	12.49	12.63	12.71	12.96	13.31
North Korea	0.32	0.28	0.25	0.24	0.26	0.25	0.23	0.23
Pakistan	0.99	0.80	0.88	0.87	0.92	0.95	0.97	0.99
Philippines	1.64	1.32	1.23	1.18	1.23	1.28	1.37	1.45
Singapore	67.92	69.72	83.58	84.56	82.54	80.45	81.81	84.84
South Korea	16.87	16.80	16.87	17.08	17.05	17.11	17.47	18.54
Sri Lanka	1.47	1.79	1.58	1.93	1.68	1.84	1.93	2.03
Taiwan	14.28	15.92	16.17	14.72	15.17	15.32	15.47	15.56
Thailand	4.35	5.58	6.17	6.78	7.21	7.27	7.17	7.43
Vietnam	0.75	1.14	1.63	1.39	1.41	1.54	1.61	1.68

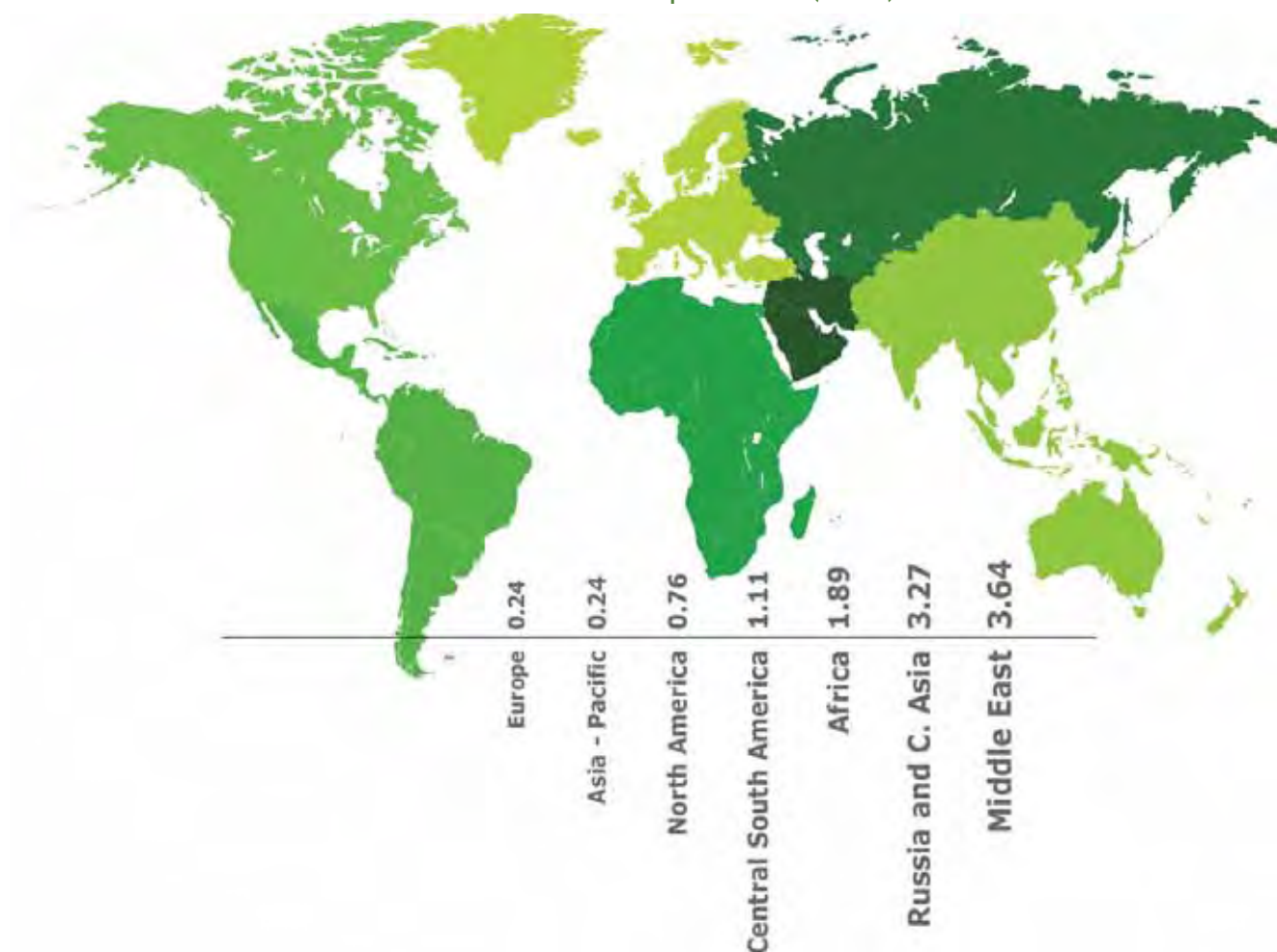
	2000	2005	2010	2012	2013	2014	2015	2016
Americas	12.72	12.72	11.84	11.54	11.64	11.60	11.62	11.47
Argentina	5.41	5.31	6.11	6.57	6.43	6.69	6.46	6.40
Bolivia	1.76	1.87	2.32	2.74	2.73	2.88	2.99	3.05
Brazil	4.43	4.21	5.10	5.35	5.56	5.75	5.61	5.36
Canada	23.91	26.03	25.53	25.99	25.53	24.75	24.51	24.36
Chile	5.77	6.18	6.93	6.98	7.06	6.92	6.95	6.99
Colombia	2.44	2.21	2.12	2.47	2.42	2.51	2.59	2.62
Costa Rica	3.42	3.73	3.90	3.93	4.02	4.02	4.16	4.25
Cuba	6.44	5.76	6.90	6.44	6.07	6.18	6.25	6.32
Dominican Republic	5.26	4.71	4.42	4.36	4.17	3.88	3.93	3.99
Ecuador	4.26	5.14	6.06	6.07	6.24	6.59	6.50	6.34
El Salvador	2.34	2.74	2.63	2.66	2.62	2.72	2.77	2.80
Guatemala	1.90	2.00	1.75	1.72	1.91	2.29	2.28	2.28
Haiti	0.43	0.56	0.52	0.58	0.62	0.66	0.67	0.67
Honduras	1.65	2.27	2.22	2.39	2.39	2.54	2.53	2.53
Jamaica	9.20	9.56	6.68	6.60	7.21	7.06	7.01	7.07
Mexico	7.32	6.88	6.45	6.29	6.17	5.94	5.77	5.54
Netherlands Antilles	165.53	178.84	146.88	114.16	111.80	115.13	116.59	118.02
Nicaragua	1.73	1.82	1.82	1.85	1.80	1.90	1.95	2.00
Panama	10.17	9.53	12.56	13.05	12.96	13.23	13.37	13.68
Paraguay	1.57	1.55	2.08	2.18	2.16	2.25	2.31	2.36
Peru	2.30	2.12	2.51	2.70	2.71	2.62	2.87	2.94
Trinidad and Tobago	8.42	13.34	12.92	11.87	13.63	12.28	12.10	11.98
United States	25.81	26.06	22.92	21.79	22.18	22.18	22.49	22.39
Uruguay	4.70	4.70	5.66	7.01	6.20	5.57	5.57	5.58
Venezuela	7.42	8.82	10.17	10.06	9.37	8.66	7.88	7.29

(*) Data source: Eni's calculations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 and IHS Global Insight data.

Areas and Aggregates ^(*)

	2000	2005	2010	2012	2013	2014	2015	2016
Europe	0.43	0.35	0.28	0.25	0.24	0.24	0.25	0.24
Russia and Central Asia	2.42	3.54	3.96	3.59	3.49	3.31	3.36	3.27
Middle East	4.69	4.12	3.37	3.48	3.40	3.32	3.45	3.64
Africa	3.16	3.38	2.86	2.54	2.31	2.21	2.07	1.89
Asia - Pacific	0.38	0.33	0.31	0.29	0.27	0.27	0.26	0.24
Americas	0.72	0.68	0.70	0.77	0.80	0.86	0.89	0.86
- North America	0.49	0.43	0.51	0.60	0.66	0.75	0.78	0.76
- Central South America	1.46	1.47	1.21	1.15	1.14	1.14	1.14	1.11
World	0.97	0.97	0.94	0.96	0.95	0.96	0.97	0.96
European Union	0.24	0.18	0.15	0.12	0.12	0.12	0.12	0.12
MENA	4.34	3.91	3.17	3.22	3.13	3.03	3.09	3.22
OECD	0.45	0.40	0.40	0.43	0.45	0.50	0.52	0.50
NON OECD	1.86	1.81	1.56	1.51	1.45	1.41	1.40	1.39
OPEC	4.85	4.39	3.57	3.59	3.41	3.31	3.39	3.49
NON OPEC	0.61	0.60	0.60	0.60	0.61	0.63	0.64	0.61

Production/Consumption Ratio (2016)

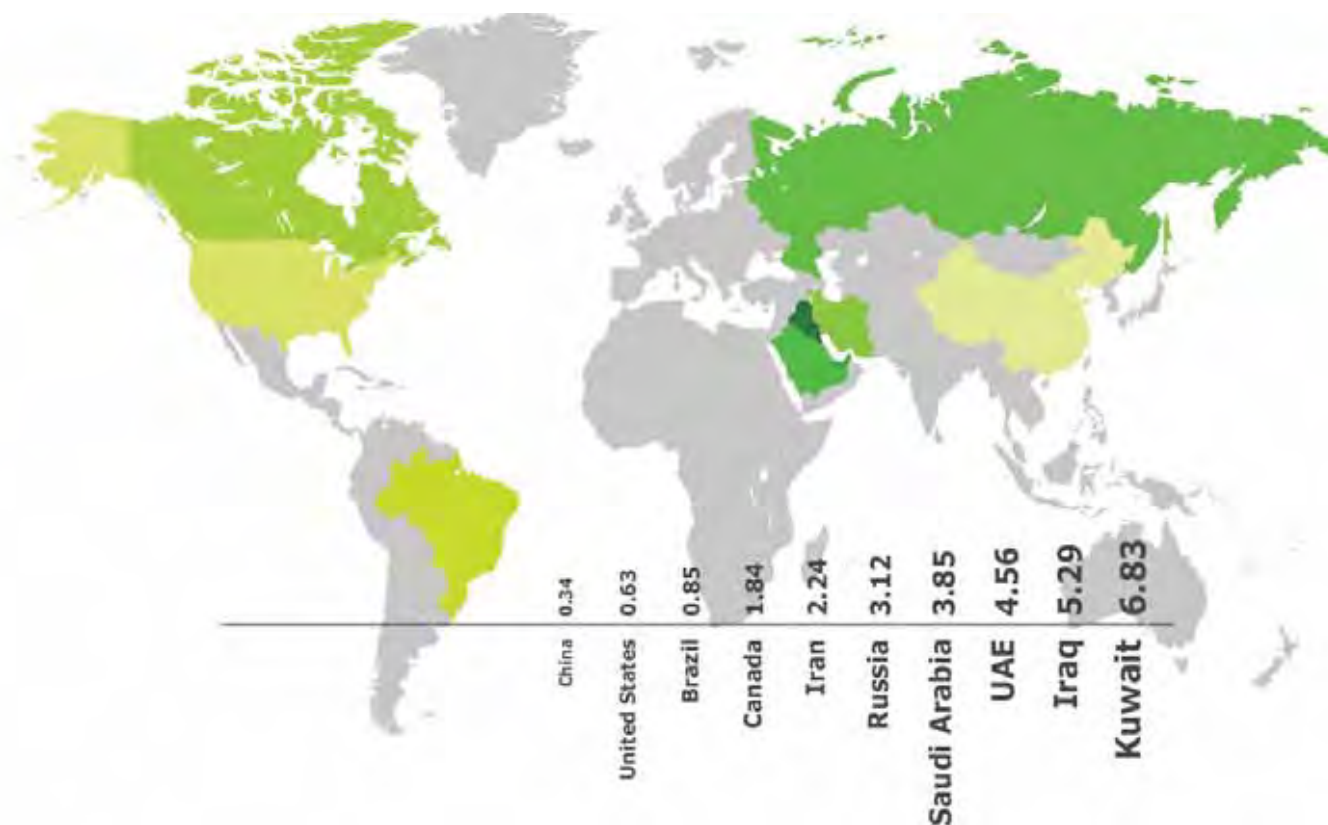


^(*) Data source: Eni's calculations on *Monthly Oil Data Services* and *IEA Extended Balances* ° OECD/International Energy Agency, 2017 data.

The World Top 10 Producers Ranked by Production/Consumption Ratio^(*)

	2000	2005	2010	2012	2013	2014	2015	2016
Kuwait	10.01	7.78	5.56	6.18	6.93	6.68	6.76	6.83
Iraq	5.48	3.19	3.71	3.88	3.69	3.89	4.94	5.29
United Arab Emirates	6.31	5.87	4.59	5.09	5.03	4.77	4.83	4.56
Saudi Arabia	5.95	5.63	3.73	3.94	3.88	3.64	3.66	3.85
Russia	2.44	3.53	3.72	3.41	3.38	3.10	3.10	3.12
Iran	2.65	2.45	2.30	1.93	1.61	1.69	1.81	2.24
Canada	1.36	1.32	1.40	1.51	1.63	1.78	1.82	1.84
Brazil	0.59	0.78	0.77	0.73	0.68	0.73	0.79	0.85
United States	0.40	0.33	0.40	0.48	0.53	0.62	0.65	0.63
China	0.70	0.54	0.45	0.43	0.40	0.39	0.38	0.34

The World Top 10 (2016)



^(*) Data source: Eni's calculations on *Monthly Oil Data Services* and *IEA Extended Balances* - © OECD/International Energy Agency, 2017 data.

Countries^(*)

	2000	2005	2010	2012	2013	2014	2015	2016
Europe	0.43	0.35	0.28	0.25	0.24	0.24	0.25	0.24
Albania	0.27	0.28	0.49	0.82	0.77	0.85	0.87	0.81
Austria	0.08	0.06	0.09	0.09	0.08	0.08	0.08	0.07
Belarus	0.31	0.24	0.22	0.15	0.20	0.17	0.16	0.16
Bulgaria	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Croatia	0.34	0.23	0.23	0.19	0.20	0.19	0.20	0.21
Czech Republic	0.04	0.05	0.03	0.04	0.03	0.02	0.02	0.02
Denmark	1.73	2.12	1.52	1.29	1.13	1.08	1.01	0.89
Estonia	0.22	0.18	0.38	0.39	0.41	0.48	0.57	0.51
France	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Germany	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Greece	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.01
Hungary	0.27	0.24	0.17	0.18	0.20	0.14	0.14	0.14
Italy	0.04	0.07	0.07	0.08	0.09	0.09	0.09	0.06
Netherlands	0.05	0.04	0.03	0.04	0.05	0.04	0.04	0.03
Norway	15.94	13.37	9.34	8.90	8.42	8.94	8.93	9.07
Poland	0.04	0.06	0.03	0.04	0.06	0.06	0.06	0.05
Portugal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Romania	0.64	0.51	0.51	0.45	0.47	0.44	0.42	0.39
Serbia	0.73	0.16	0.22	0.33	0.33	0.32	0.29	0.27
Slovakia	0.02	0.09	0.06	0.03	0.05	0.06	0.05	0.03
Spain	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00
Turkey	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.05
Ukraine	0.29	0.31	0.27	0.27	0.25	0.26	0.24	0.22
United Kingdom	1.53	1.01	0.84	0.62	0.58	0.57	0.63	0.65

	2000	2005	2010	2012	2013	2014	2015	2016
Russia and Central Asia (**)	2.42	3.54	3.96	3.59	3.49	3.31	3.36	3.27
Russia	2.44	3.53	3.72	3.41	3.38	3.10	3.18	3.12
Azerbaijan	2.65	4.32	14.07	9.72	9.14	8.97	8.85	8.75
Georgia	0.12	0.08	0.04	0.03	0.03	0.02	0.02	0.02
Kazakhstan	3.48	6.53	7.11	6.49	4.93	6.46	6.32	6.16
Kyrgyzstan	0.10	0.16	0.03	0.04	0.04	0.05	0.05	0.04
Tajikistan	0.13	0.06	0.02	0.04	0.03	0.02	0.00	0.00
Turkmenistan	1.52	1.68	1.56	1.49	1.65	1.67	1.74	1.52
Uzbekistan	1.65	1.15	1.11	1.04	1.09	1.13	1.05	0.97

	2000	2005	2010	2012	2013	2014	2015	2016
Middle East	4.69	4.12	3.37	3.48	3.40	3.32	3.45	3.64
Bahrain	5.75	3.10	3.08	2.88	3.45	3.63	3.57	3.43
Iran	2.65	2.45	2.30	1.93	1.61	1.69	1.81	2.24
Iraq	5.48	3.19	3.71	3.88	3.69	3.89	4.94	5.29
Kuwait	10.01	7.78	5.56	6.18	6.93	6.68	6.76	6.83
Oman	15.08	10.79	6.87	5.94	6.07	5.34	5.14	5.13
Qatar	17.80	13.70	9.17	9.46	9.64	8.70	7.08	6.69
Saudi Arabia	5.95	5.63	3.73	3.94	3.88	3.64	3.66	3.85
Syria	2.51	1.38	1.29	0.85	0.39	0.23	0.21	0.20
United Arab Emirates	6.31	5.87	4.59	5.09	5.03	4.77	4.83	4.56
Yemen	4.57	3.04	2.09	1.38	1.32	1.09	0.37	0.14

(*) Data source: Eni's calculations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

(**) Data source: Eni's calculations on *Monthly Oil Data Services* and *IEA Extended Balances* ° OECD/International Energy Agency, 2017 data.

Countries^(*)

	2000	2005	2010	2012	2013	2014	2015	2016
Africa	5.16	5.38	2.86	2.54	2.31	2.21	2.07	1.89
Algeria	5.99	7.14	4.88	4.09	3.76	3.66	3.46	3.52
Angola	20.11	29.63	17.63	16.17	13.60	12.10	12.08	11.42
Benin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cameroon	5.33	3.99	1.86	1.72	1.75	1.95	1.91	1.86
Congo	63.44	38.14	25.41	20.49	15.95	16.49	15.08	13.40
Côte d'Ivoire	0.26	1.66	1.89	1.28	0.94	0.66	0.63	0.54
Dem. Rep. Congo	2.91	1.96	1.60	1.34	0.90	0.63	0.57	0.51
Egypt	1.32	1.02	0.88	0.83	0.99	1.03	0.89	0.79
Gabon	20.07	18.06	12.74	11.55	9.68	9.67	9.15	8.61
Ghana	0.18	0.12	0.10	0.90	1.07	1.21	1.15	0.95
Libya	6.04	6.52	5.47	5.63	3.42	1.82	1.66	1.64
Morocco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nigeria	9.66	8.48	9.24	8.88	8.04	8.69	8.60	7.62
South Africa	0.46	0.42	0.24	0.21	0.18	0.19	0.18	0.18
Sudan	4.12	3.97	4.15	1.38	1.91	2.44	2.20	1.75
Tunisia	0.92	0.80	0.94	0.83	0.78	0.63	0.57	0.54

	2000	2005	2010	2012	2013	2014	2015	2016
Asia - Pacific	0.38	0.33	0.31	0.29	0.27	0.27	0.26	0.24
Australia	0.92	0.57	0.53	0.43	0.36	0.38	0.34	0.32
Bangladesh	0.06	0.08	0.06	0.04	0.04	0.04	0.03	0.03
Brunei	15.29	15.09	9.32	9.25	7.95	7.71	7.50	6.45
China	0.70	0.54	0.45	0.43	0.40	0.39	0.38	0.34
India	0.33	0.29	0.28	0.25	0.24	0.23	0.22	0.20
Indonesia	1.26	0.81	0.66	0.57	0.54	0.51	0.47	0.49
Malaysia	1.60	1.56	1.22	1.07	0.87	0.88	0.92	0.88
Myanmar	0.00	0.01	0.25	0.22	0.23	0.22	0.20	0.18
New Zealand	0.33	0.24	0.39	0.31	0.27	0.30	0.30	0.25
Pakistan	0.15	0.19	0.16	0.18	0.19	0.17	0.16	0.15
Philippines	0.00	0.07	0.06	0.05	0.05	0.05	0.05	0.04
South Korea	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Thailand	0.26	0.29	0.34	0.36	0.33	0.32	0.34	0.33
Vietnam	2.02	1.46	0.78	1.00	0.97	0.83	0.84	0.72

	2000	2005	2010	2012	2013	2014	2015	2016
Americas	0.72	0.68	0.70	0.77	0.80	0.86	0.89	0.86
Argentina	1.57	1.46	1.03	0.87	0.85	0.80	0.82	0.80
Bolivia	0.97	1.24	0.81	0.76	0.87	0.89	0.84	0.77
Brazil	0.59	0.78	0.77	0.73	0.68	0.73	0.79	0.85
Canada	1.36	1.32	1.40	1.51	1.63	1.78	1.82	1.84
Chile	0.04	0.03	0.04	0.03	0.03	0.03	0.02	0.01
Colombia	2.55	2.01	2.95	2.98	3.22	3.03	2.95	2.55
Cuba	0.26	0.31	0.26	0.26	0.27	0.29	0.28	0.26
Ecuador	2.74	2.76	1.89	1.96	1.93	1.92	1.88	1.92
Guatemala	0.34	0.26	0.17	0.14	0.12	0.10	0.09	0.07
Mexico	1.67	1.82	1.41	1.39	1.38	1.38	1.30	1.26
Peru	0.64	0.73	0.77	0.69	0.73	0.78	0.61	0.53
Trinidad and Tobago	4.72	3.60	3.16	2.75	2.33	2.50	2.41	2.14
United States	0.40	0.33	0.40	0.48	0.53	0.62	0.65	0.63
Venezuela	6.47	4.78	3.44	3.32	3.50	3.67	3.97	3.86

(*) Data source: Eni's calculations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

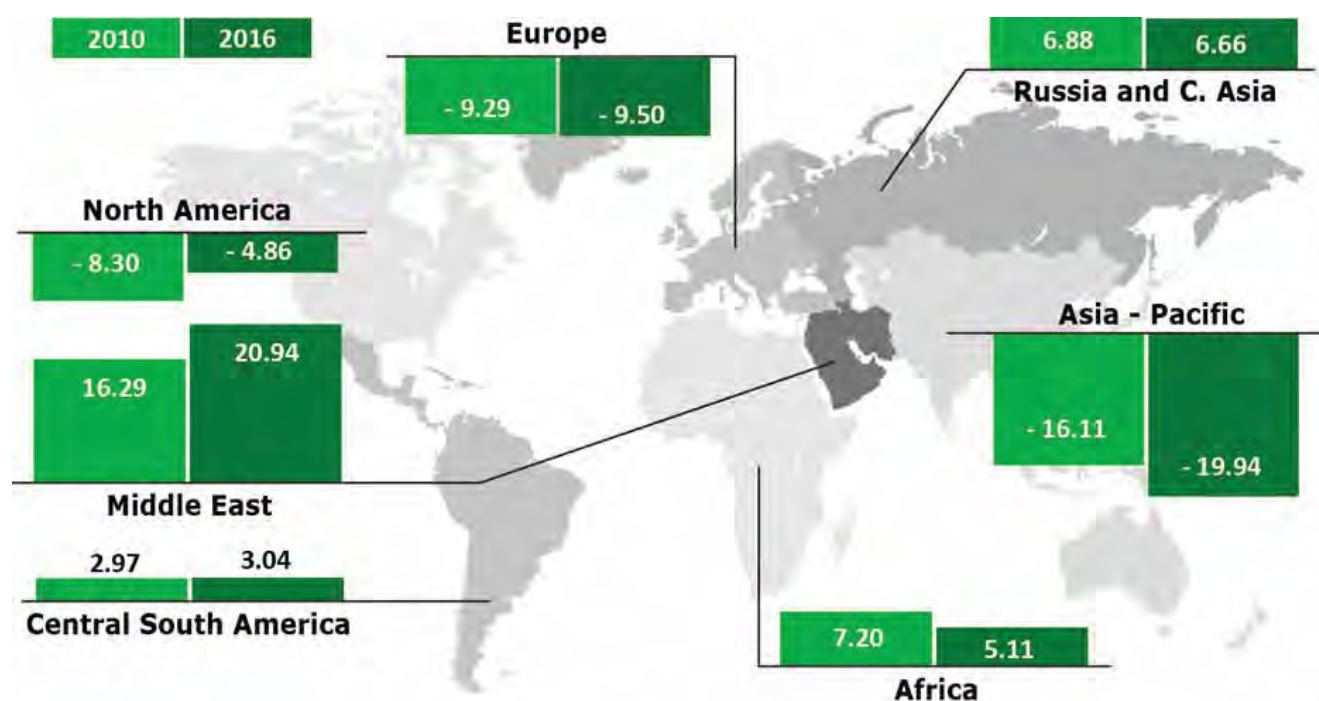
Crude Surplus Deficit by Area (*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ (2016-2015)	Δ (2016-2000)
Europe	-7,538	-9,478	-9,288	-9,616	-9,135	-9,077	-9,663	-9,501	162	-1,863
Russia and Central Asia	3,160	5,915	6,880	6,477	6,616	6,342	6,578	6,657	79	3,497
Middle East	15,857	17,252	16,287	18,383	18,361	18,756	19,766	20,939	1,173	5,083
Africa	4,566	6,614	7,196	6,911	6,074	5,615	5,651	5,112	-539	546
Asia - Pacific	-10,990	-13,488	-16,109	-18,541	-18,684	-18,645	-19,337	-19,939	-602	-8,949
Americas	-6,382	-6,698	-5,350	-3,664	-2,673	-1,384	-971	-1,823	-852	4,559
- North America	-9,184	-9,737	-8,297	-6,833	-5,752	-4,736	-4,462	-4,858	-396	4,326
- Central South America	2,803	3,039	2,966	3,169	3,079	3,357	3,491	3,036	-456	233
World	-1,427	116	-364	-50	559	1,606	2,024	1,447	-578	2,874

Crude Surplus Deficit by Area (2010 and 2016)

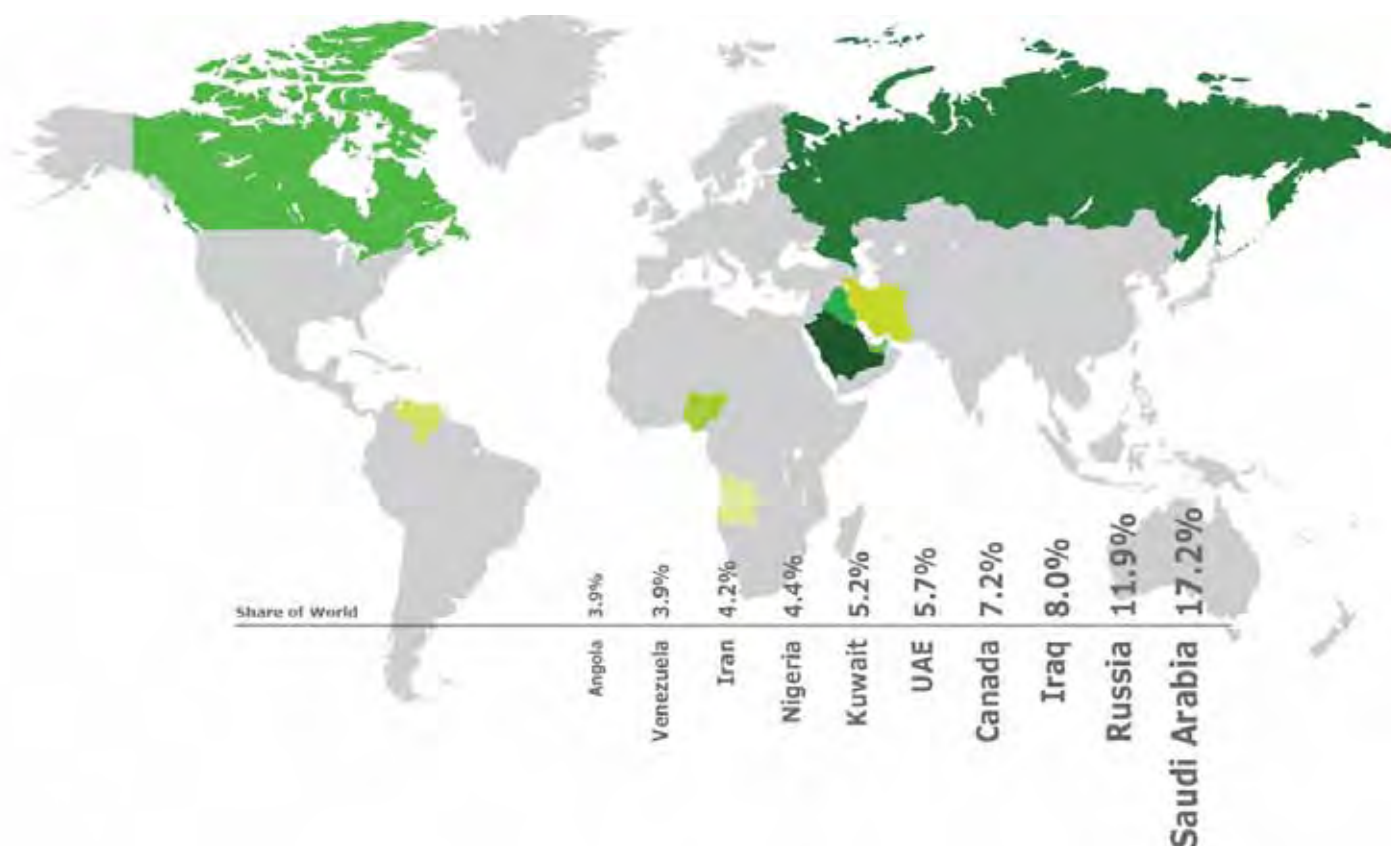
million barrel/day

(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 and ICIS Consulting data.

The World Top 10 Exporters^(*)Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Saudi Arabia	6,251	7,470	5,792	7,427	7,539	7,098	7,107	7,406	4.2%	1.1%
Russia	2,916	5,100	4,912	4,780	4,719	4,500	4,882	5,132	5.1%	3.6%
Iraq	2,063	1,400	1,892	2,429	2,391	2,518	3,009	3,457	14.9%	3.3%
Canada	1,384	1,578	1,948	2,402	2,621	2,849	3,029	3,119	3.0%	5.2%
United Arab Emirates	1,940	2,184	2,145	2,467	2,598	2,605	2,596	2,471	-4.8%	1.5%
Kuwait	1,218	1,660	1,380	2,031	2,025	1,995	2,061	2,226	8.0%	3.8%
Nigeria	2,163	2,313	2,369	2,276	2,088	2,120	2,036	1,892	-7.1%	-0.8%
Iran	2,289	2,417	2,269	1,133	1,021	1,071	1,014	1,802	77.7%	-1.5%
Venezuela	2,015	2,290	1,820	1,741	1,857	1,729	1,779	1,678	-5.7%	-1.1%
Angola	753	1,202	1,720	1,667	1,670	1,625	1,726	1,672	-3.1%	5.1%
The World Top 10	23,992	27,613	26,247	28,353	28,529	28,110	29,238	30,855	5.5%	1.9%
Rest of the World	15,556	15,859	14,732	13,329	12,478	11,983	12,379	12,295	-0.7%	-1.5%
World	38,548	43,472	40,979	41,682	41,007	40,093	41,617	43,150	-2.2%	0.5%

The World Top (2016)



^(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries^(*)Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Europe										
Albania	0	0	9	17	21	19	18	16	-100%	
Austria	1	0	0	0	0	0	0	0		-100.0%
Belarus	7	27	0	35	32	32	32	31	-5.3%	9.6%
Croatia	1	0	0	0	0	0	0	0		-100.0%
Czech Republic	2	1	0	0	1	1	1	1	0.0%	-8.2%
Denmark	275	273	154	121	123	96	90	78	-14.3%	-7.6%
France	0	0	0	0	2	0	0	0		
Germany	64	14	14	4	1	1	7	2	-69.7%	-19.5%
Greece	0	18	17	5	3	1	2	3	95.0%	
Hungary	0	7	0	0	1	0	2	1	-26.9%	
Ireland	0	0	2	0	4	0	0	0		
Italy	0	15	6	15	10	7	14	12	-12.4%	
Lithuania	6	3	2	2	1	1	1	1	-4.4%	-11.1%
Netherlands	4	21	10	11	11	12	6	7	12.4%	3.7%
Norway	2,875	2,316	1,586	1,294	1,187	1,191	1,223	1,363	11.4%	-4.6%
Poland	3	5	4	4	8	8	5	4	-12.2%	3.5%
Romania	0	0	2	1	1	1	2	1	-30.0%	
Slovakia	0	1	0	0	0	0	1	0	-74.1%	-3.3%
Sweden	0	0	0	1	0	0	0	0		
Ukraine	5	2	0	0	0	1	0	0	-100.0%	-100.0%
United Kingdom	1,719	978	733	573	608	564	589	616	4.5%	-6.2%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Russia and Central Asia										
Azerbaijan	113	286	853	695	685	658	656	633	-3.5%	11.4%
Georgia	2	1	1	1	1	1	3	3	-9.5%	3.9%
Kazakhstan	588	1,093	1,386	1,389	1,381	1,307	1,297	1,271	-2.0%	4.9%
Russia	2,916	5,100	4,912	4,780	4,719	4,500	4,882	5,132	5.1%	3.6%
Turkmenistan	32	50	26	62	72	64	90	39	-56.4%	1.3%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Middle East										
Iran	2,289	2,417	2,269	1,133	1,021	1,071	1,014	1,802	77.7%	-1.5%
Iraq	2,063	1,400	1,892	2,429	2,391	2,518	3,009	3,457	14.9%	3.3%
Kuwait	1,218	1,660	1,380	2,031	2,025	1,995	2,061	2,226	8.0%	3.8%
Oman	895	718	694	715	772	748	789	803	1.8%	-0.7%
Qatar	607	697	650	653	648	635	524	517	-1.3%	-1.0%
Saudi Arabia	6,251	7,470	5,792	7,427	7,539	7,098	7,107	7,406	4.2%	1.1%
Syria	331	208	163	0	0	0	0	0		-100.0%
United Arab Emirates	1,940	2,184	2,145	2,467	2,598	2,605	2,596	2,471	-4.8%	1.5%
Yemen	368	296	183	123	104	79	31	24	-22.5%	-15.7%

(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries^(*)

Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Africa										
Algeria	449	974	714	690	609	510	523	530	1.3%	1.0%
Angola	753	1,202	1,720	1,667	1,670	1,625	1,726	1,672	-3.1%	5.1%
Cameroon	113	82	56	52	57	64	73	74	2.0%	-2.6%
Chad	0	174	122	101	85	82	78	79	0.9%	
Congo	249	228	291	251	225	226	197	181	-8.3%	-2.0%
Côte d'Ivoire	7	40	38	29	25	18	20	21	5.5%	7.4%
Dem. Rep. Congo	24	25	22	24	25	21	21	16	-22.2%	-2.3%
Egypt	197	41	188	190	194	198	205	194	-5.6%	-0.1%
Equatorial Guinea	114	329	253	254	249	262	271	261	-3.7%	5.3%
Gabon	264	253	243	238	216	216	207	204	-1.2%	-1.6%
Ghana	0	0	0	84	99	108	104	68	-34.3%	
Libya	997	1,336	1,345	1,284	866	341	330	310	-5.9%	-7.0%
Mauritania	0	0	8	7	7	6	5	5	-9.5%	
Mozambique	0	0	1	1	1	1	1	1	0.0%	
Nigeria	2,163	2,313	2,369	2,276	2,088	2,120	2,036	1,892	-7.1%	-0.8%
Sudan	132	236	362	45	40	36	35	6	-85.6%	-17.8%
South Africa	4	0	0	0	0	0	0	0		-100.0%
Tunisia	61	59	77	55	46	46	38	25	-32.9%	-5.3%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Asia-Pacific										
Australia	380	226	311	260	204	242	219	198	-9.7%	-4.0%
Brunei	183	198	148	139	117	108	112	105	-5.8%	-3.4%
China	207	162	61	49	32	12	57	59	2.4%	-7.6%
Indonesia	610	433	323	316	322	301	372	395	6.2%	-2.7%
Malaysia	347	382	345	241	217	238	288	306	6.2%	-0.8%
Mongolia	0	1	6	10	14	19	22	21	-4.9%	34.7%
Myanmar	2	7	0	3	3	3	2	1	-47.5%	-3.8%
New Zealand	24	12	47	35	29	34	34	31	-7.4%	1.8%
Pakistan	9	0	0	0	1	0	0	0	0.0%	-16.5%
Papua New Guinea	73	47	9	0	29	16	0	0		-100.0%
Philippines	0	15	19	15	14	17	14	15	7.4%	
Singapore	0	3	9	10	11	12	18	19	3.4%	
Thailand	9	66	29	43	27	7	1	1	-28.6%	-13.1%
Vietnam	308	361	161	189	171	189	187	152	-18.8%	-4.3%

^(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries^(*)

Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Americas										
Argentina	278	149	56	60	10	39	38	47	23.9%	10.5%
Barbados	1	1	1	1	1	1	1	1	-8.1%	-2.2%
Bolivia	4	4	0	0	7	9	13	12	-9.7%	7.9%
Brazil	19	275	632	534	397	519	737	799	8.3%	26.5%
Canada	1,384	1,578	1,948	2,402	2,621	2,849	3,029	3,119	3.0%	5.2%
Colombia	385	229	470	624	651	642	635	514	-19.0%	1.8%
Costa Rica	0	0	0	1	0	0	0	0		
Ecuador	239	344	326	338	368	407	401	382	-4.7%	3.0%
Guatemala	19	16	10	9	9	8	9	8	-10.9%	-5.4%
Mexico	1,831	2,002	1,446	1,324	1,258	1,207	1,235	1,265	2.5%	-2.3%
Peru	14	13	19	16	15	16	8	9	16.8%	-2.3%
Suriname	2	0	0	0	0	0	0	0		-100.0%
Trinidad and Tobago	52	72	45	31	34	33	31	37	18.7%	-2.2%
United States	51	33	42	61	122	341	452	514	13.8%	15.5%
Venezuela	2,015	2,290	1,820	1,741	1,857	1,729	1,779	1,678	-5.7%	-1.1%

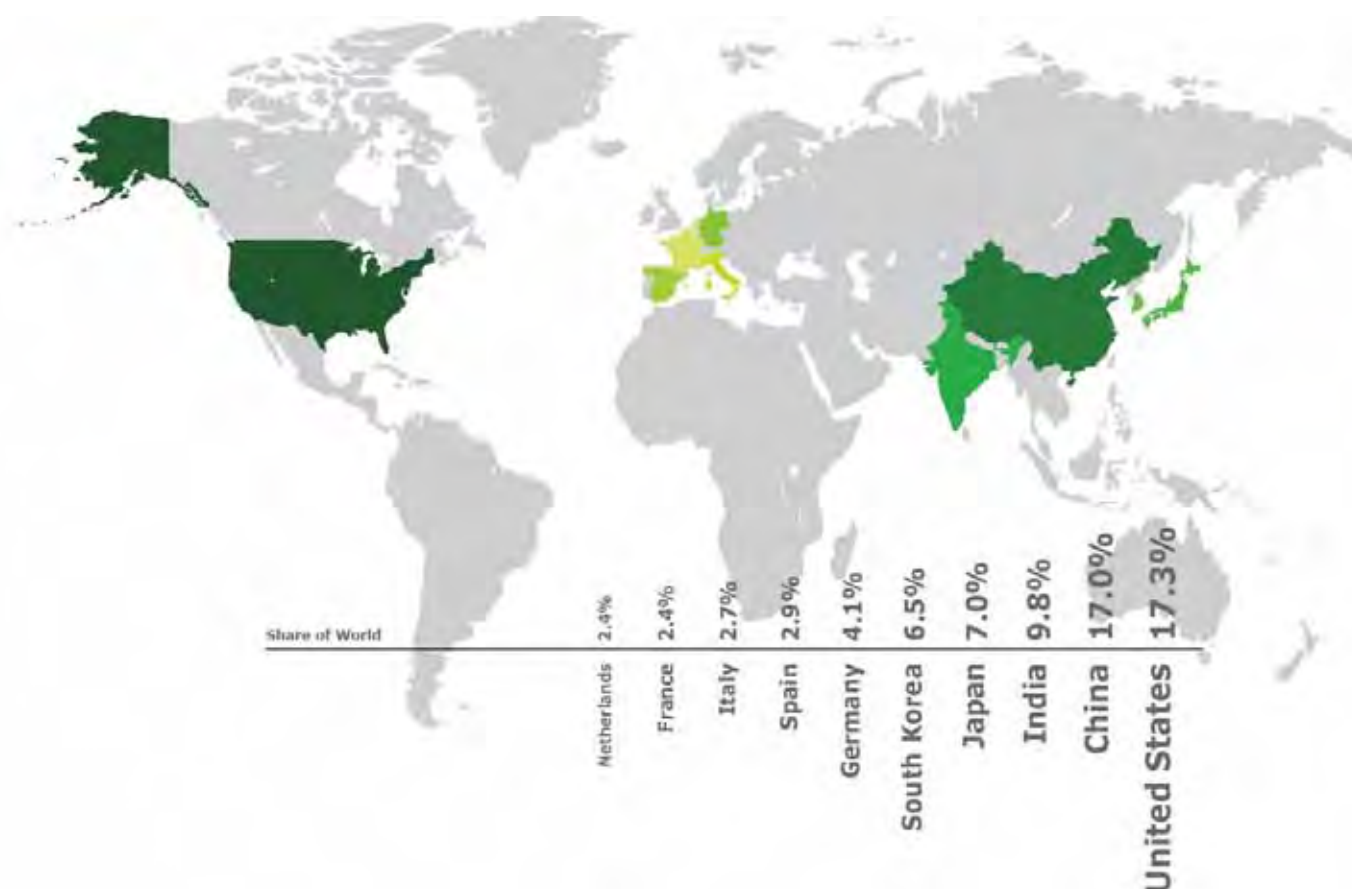
^(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

The World Top 10 Importers^(*)

Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
United States	9,682	10,777	9,690	8,657	7,852	7,477	7,507	7,792	3.8%	-1.5%
China	1,409	2,543	4,767	5,435	5,650	6,184	6,728	7,643	13.6%	11.1%
India	1,510	2,026	3,535	3,767	3,857	3,861	4,135	4,397	6.5%	6.9%
Japan	4,205	4,093	3,436	3,435	3,375	3,212	3,203	3,137	-2.1%	-1.8%
South Korea	2,437	2,309	2,355	2,535	2,427	2,453	2,755	2,905	5.4%	1.1%
Germany	2,074	2,246	1,865	1,870	1,812	1,789	1,825	1,825	0.0%	-0.8%
Spain	1,150	1,191	1,049	1,174	1,157	1,181	1,293	1,283	-0.7%	0.7%
Italy	1,673	1,790	1,570	1,373	1,167	1,077	1,251	1,218	-2.6%	-2.0%
France	1,698	1,685	1,283	1,136	1,099	1,067	1,135	1,085	-4.4%	-2.8%
Netherlands	1,093	1,046	1,023	997	942	950	1,046	1,083	3.6%	-0.1%
The World Top 10	26,931	29,707	30,372	30,378	29,340	29,252	30,878	32,169	+4.8%	+2.2%
Rest of the World	12,244	13,890	12,499	12,867	12,593	12,269	12,579	12,576	0.0%	0.2%
World	39,175	43,598	42,871	43,244	41,933	41,522	43,457	44,745	+1.0%	0.7%

The World Top (2016)



^(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries(*)

Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Europe										
Albania	0	0	0	0	0	1	1	1	-10.0%	
Austria	143	157	159	149	156	150	162	147	-9.2%	0.2%
Belarus	240	386	295	433	425	450	458	434	-5.3%	3.8%
Belgium	678	639	668	635	552	644	642	637	-0.6%	-0.4%
Bosnia-Herzegovina	11	5	23	21	21	19	19	19	0.0%	3.7%
Bulgaria	100	121	109	118	113	102	121	132	8.6%	1.4%
Croatia	80	81	72	47	50	38	47	46	-3.3%	-3.4%
Cyprus	23	0	0	0	0	0	0	0	-100.0%	-100.0%
Czech Republic	114	155	155	141	131	147	143	107	-25.3%	-0.4%
Denmark	82	54	54	74	93	69	83	77	-7.9%	-0.4%
Finland	212	191	215	205	219	219	203	221	9.0%	0.1%
France	1,698	1,685	1,283	1,136	1,099	1,067	1,135	1,085	-4.4%	-2.8%
Germany	2,074	2,246	1,865	1,870	1,812	1,789	1,825	1,825	0.0%	-0.8%
Greece	387	374	403	417	389	417	442	489	6.2%	1.2%
Hungary	110	129	115	109	108	121	124	120	-3.2%	0.2%
Ireland	59	65	61	59	63	54	73	64	-12.2%	0.5%
Italy	1,673	1,790	1,570	1,373	1,167	1,077	1,251	1,218	-2.6%	-2.0%
Latvia	2	0	0	0	0	0	0	0	-100.0%	-100.0%
Lithuania	95	179	180	170	179	169	170	162	-4.4%	3.4%
Macedonia	16	20	17	5	1	0	0	0	-100.0%	-100.0%
Netherlands	1,093	1,046	1,023	997	942	950	1,046	1,003	-5.6%	-0.1%
Norway	18	16	11	28	37	22	22	11	-52.7%	-3.3%
Poland	360	358	454	493	467	474	530	491	-7.3%	2.0%
Portugal	235	261	220	221	244	211	282	269	-4.6%	0.9%
Romania	98	179	120	105	109	138	136	153	13.2%	2.9%
Serbia	6	62	38	21	33	29	37	38	5.1%	12.7%
Slovakia	107	110	109	108	117	106	118	117	-1.6%	0.6%
Slovenia	2	0	0	0	0	0	0	0	-100.0%	-100.0%
Spain	1,150	1,191	1,049	1,174	1,157	1,181	1,295	1,283	-0.7%	0.7%
Sweden	419	402	397	414	334	374	402	394	-2.1%	-0.4%
Switzerland	92	95	90	68	97	98	56	59	5.2%	-2.8%
Turkey	433	468	339	390	371	350	501	499	-0.4%	0.9%
Ukraine	116	292	155	30	15	4	5	11	126.9%	-13.9%
United Kingdom	845	1,044	953	1,073	1,006	931	847	792	-6.5%	-0.4%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Russia and Central Asia										
Georgia	0	0	0	0	0	0	3	2	-9.5%	
Kazakhstan	20	75	120	118	150	19	19	19	0.0%	-0.3%
Kyrgyzstan	0	0	0	0	0	0	0	0	-100.0%	-100.0%
Russia	119	49	0	0	0	15	30	8	-72.4%	-15.4%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Middle East										
Bahrain	71	80	85	94	69	64	66	71	7.2%	0.1%
Iran	13	42	13	1	0	0	0	0	-100.0%	-100.0%
Israel	211	204	221	222	218	228	234	234	0.0%	0.6%
Jordan	74	90	68	71	62	63	69	69	0.0%	-0.4%
Syria	0	0	0	0	58	83	88	80	-8.1%	
Yemen	16	0	0	0	0	0	0	0	-100.0%	-100.0%

(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries(*)

Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Africa										
Algeria	6	6	7	6	3	6	6	6	5.1%	-0.4%
Cameroon	31	30	34	35	37	39	40	41	2.0%	1.8%
Côte d'Ivoire	59	76	59	68	71	65	64	68	5.5%	0.9%
Egypt	0	50	73	58	59	61	73	67	-8.7%	
Ghana	26	39	33	24	26	14	6	4	-34.3%	-10.9%
Kenya	49	35	31	20	11	12	0	0		-100.0%
Madagascar	9	10	0	0	0	0	0	0		-100.0%
Morocco	143	144	109	112	116	108	56	52	-6.7%	-6.1%
Senegal	18	20	13	16	17	18	27	27	0.0%	2.7%
Somalia	2	0	0	0	0	0	0	0		-100.0%
South Africa	459	474	385	415	440	444	461	470	1.8%	0.1%
Tunisia	24	23	4	23	24	25	19	12	-32.9%	-4.1%
Zambia	1	8	13	13	12	11	13	13	0.0%	21.6%

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Asia-Pacific										
Australia	372	379	469	495	446	435	315	330	5.0%	-0.7%
Bangladesh	26	22	26	26	24	27	22	22	0.7%	-1.0%
China	1,409	2,543	4,767	5,435	5,650	6,184	6,728	7,643	13.6%	11.1%
India	1,510	2,026	3,335	3,767	3,867	3,861	4,135	4,397	6.3%	6.9%
Indonesia	224	332	284	269	332	342	397	409	3.0%	3.8%
Japan	4,205	4,093	3,436	3,435	3,375	3,212	3,203	3,137	-2.1%	-1.8%
Malaysia	148	164	159	204	186	200	173	185	6.8%	1.4%
Myanmar	15	0	0	0	0	0	0	0		-100.0%
New Zealand	90	90	98	105	103	99	102	107	4.9%	1.1%
North Korea	8	10	11	11	12	11	10	10	0.0%	1.5%
Pakistan	144	176	136	151	164	170	190	175	-8.1%	1.2%
Papua New Guinea	0	18	20	22	25	22	13	14	7.9%	
Philippines	314	215	184	178	154	178	213	229	7.4%	-1.9%
Singapore	842	1,180	934	974	902	837	868	898	3.4%	0.4%
South Korea	2,437	2,309	2,355	2,535	2,427	2,453	2,755	2,905	5.4%	1.1%
Sri Lanka	47	40	36	33	35	36	35	35	0.0%	-1.8%
Taiwan	743	1,045	876	885	837	863	841	859	2.1%	0.9%
Thailand	676	828	849	895	895	832	904	883	-2.4%	1.7%

(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Countries^(*)

Crude and conventional oil
(barrels)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Americas										
Argentina	26	4	0	4	0	10	17	22	31.1%	-1.1%
Brazil	399	343	339	345	395	350	298	164	-44.9%	-5.4%
Canada	914	928	770	736	650	554	570	770	35.0%	-1.1%
Chile	193	204	158	168	186	181	169	169	-0.4%	-0.9%
Colombia	4	7	0	0	0	0	0	0		-100.0%
Costa Rica	1	11	10	0	0	0	0	0		-100.0%
Cuba	29	39	107	101	97	90	95	103	8.4%	8.2%
Dominican Republic	41	42	28	26	27	27	16	16	0.0%	-5.5%
El Salvador	19	20	15	9	0	0	0	0		-100.0%
Guatemala	17	5	0	0	0	0	0	0		-100.0%
Jamaica	21	9	23	24	23	19	24	24	0.0%	0.9%
Nicaragua	16	15	15	10	13	14	15	15	0.0%	-0.4%
Netherlands Antilles	222	232	89	171	176	196	183	183	0.0%	-1.2%
Panama	44	0	0	0	0	0	0	0		-100.0%
Paraguay	2	1	0	0	0	0	0	0		-100.0%
Peru	62	98	97	92	86	85	87	102	16.8%	3.1%
Trinidad and Tobago	97	92	68	57	80	57	78	93	18.7%	-0.3%
United States	9,682	10,777	9,690	8,657	7,852	7,477	7,507	7,792	3.8%	-1.3%
Uruguay	35	41	39	40	37	37	40	40	0.0%	0.8%

^(*) Data source: Eni's estimates on Enerdata *Global Energy & CO₂ Data, Monthly Oil Data Services* °OECD/International Energy Agency, 2017 and other official data sources.

Oil

Crude Future Prices and Open Interests

ICE Brent Price 1 Month^(*)

(US\$/barrel)



WTI vs Brent 1 Month Differential^(*)

(US\$/barrel)



ICE Brent Open Interests^(*)

(no. contracts)



CME WTI Open Interests^(*)

(no. contracts)



Crude Future Prices and Open Interests^(*)

	2000	2005	2010	2012	2013	2014	2015	2016	Δ y/y (2016-2015)	CAGR (2016-2000)
Crude Future Prices										
(US\$/bbl/barrel)										
ICE Brent	28.5	55.3	80.3	111.7	108.7	99.5	53.6	45.1	-15.8%	2.9%
CME WTI	30.3	56.7	79.6	94.1	98.0	92.9	48.8	43.5	-10.9%	2.3%
Open Interests										
(no. contracts)										
ICE Brent	59,977	66,966	167,819	183,520	211,366	207,033	251,331	296,083	17.8%	10.5%
CME WTI	90,066	163,617	237,859	209,811	213,670	218,360	302,858	354,535	17.1%	8.4%

^(*) Data source: ICE London and CME New York.

production quality

World

Europe

Russia and Central Asia

Middle East

Africa

Asia - Pacific

Americas

Crude Production by Quality (Gravity and Sulphur Content) (*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Share in total 2000 2016	
World (A)	68,490	74,817	74,997	77,451	77,702	79,465	81,785	81,734		
Ultra Light	1,560	2,023	2,528	2,854	2,996	3,260	3,421	3,354	2.3%	4.1%
Light & Sweet	15,119	13,988	14,331	14,210	14,319	14,905	15,284	14,955	22.1%	18.3%
Light & Medium Sour	2,794	3,022	3,614	3,911	3,993	3,951	4,097	4,115	4.1%	5.0%
Light & Sour	2,414	2,284	2,216	2,354	2,572	2,407	2,514	2,534	3.5%	3.1%
Medium & Sweet	7,135	8,682	8,036	8,102	8,042	8,386	8,659	7,629	10.4%	9.3%
Medium & Medium Sour	2,437	2,765	2,985	2,847	2,946	3,231	3,253	3,331	3.6%	4.1%
Medium & Sour	27,917	31,271	30,294	32,217	31,596	31,881	32,287	33,863	40.8%	41.4%
Heavy & Sweet	1,138	1,456	2,145	1,956	1,830	1,870	2,017	2,269	1.7%	2.8%
Heavy & Medium Sour	1,515	1,892	2,269	2,196	2,237	2,079	2,023	1,720	2.2%	2.1%
Heavy & Sour	5,456	6,461	5,740	5,968	6,309	6,625	7,410	7,199	8.0%	8.8%
Unassigned production: (B)	1,005	973	838	836	863	870	821	765	1.5%	0.9%
% Unassigned production (B/A)	1.5	1.3	1.1	1.1	1.1	1.1	1.0	0.9		

Crude Production by Gravity(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Share in total 2000 2016	
World	68,490	74,817	74,997	77,451	77,702	79,465	81,785	81,734		
Light	21,887	21,317	22,689	23,329	23,880	24,523	25,315	24,957	32.0%	30.5%
Medium	37,489	42,718	41,315	43,166	42,584	43,498	44,199	44,823	54.7%	54.8%
Heavy	8,109	9,809	10,154	10,120	10,376	10,574	11,450	11,189	11.8%	13.7%
Unassigned production	1,005	973	838	836	863	870	821	765	1.5%	0.9%

Crude Production by Sulphur Content(*)

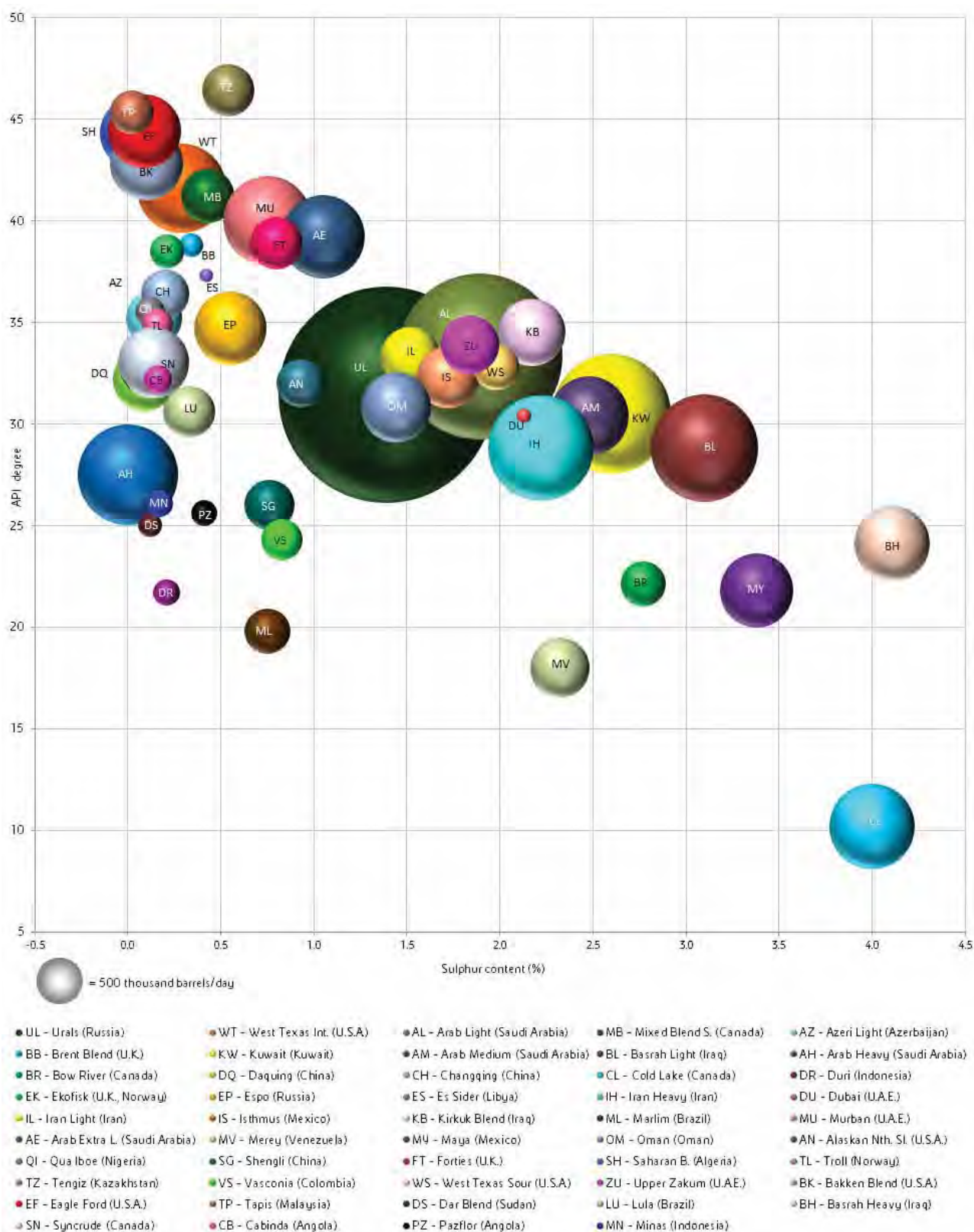
(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Share in total 2000 2016	
World	68,490	74,817	74,997	77,451	77,702	79,465	81,785	81,734		
Sweet	24,953	26,149	27,040	27,122	27,187	28,421	29,381	28,207	36.4%	34.5%
Medium Sour	6,745	7,679	8,869	8,955	9,176	9,261	9,372	9,165	9.8%	11.2%
Sour	35,787	40,016	38,250	40,539	40,477	40,913	42,211	43,596	52.3%	53.3%
Unassigned production	1,005	973	838	836	863	870	821	765	1.5%	0.9%

(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

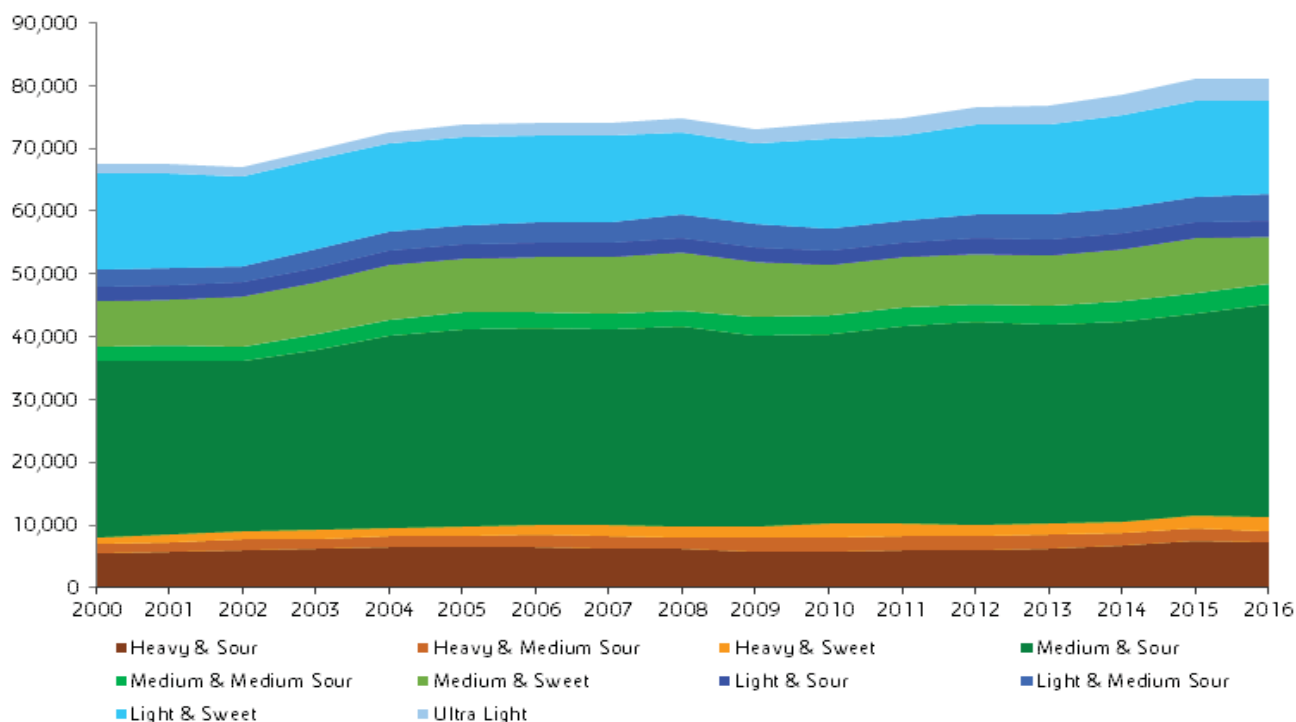
Quality and Production Volume of Main 2016 Crudes (*)

(thousand barrels/day)

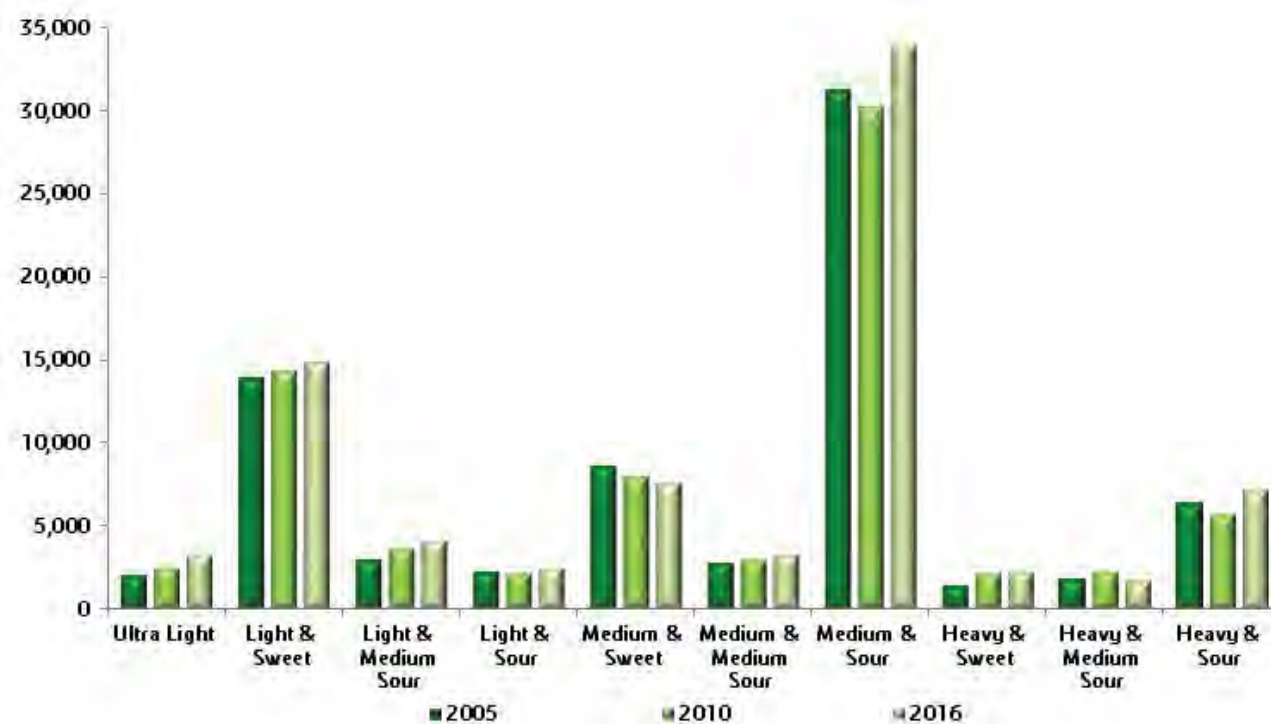


(*) Data source: Eni.

Crude Production by Quality^(*)
(thousand barrels/day)



Crude Production by Quality^(*)
(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

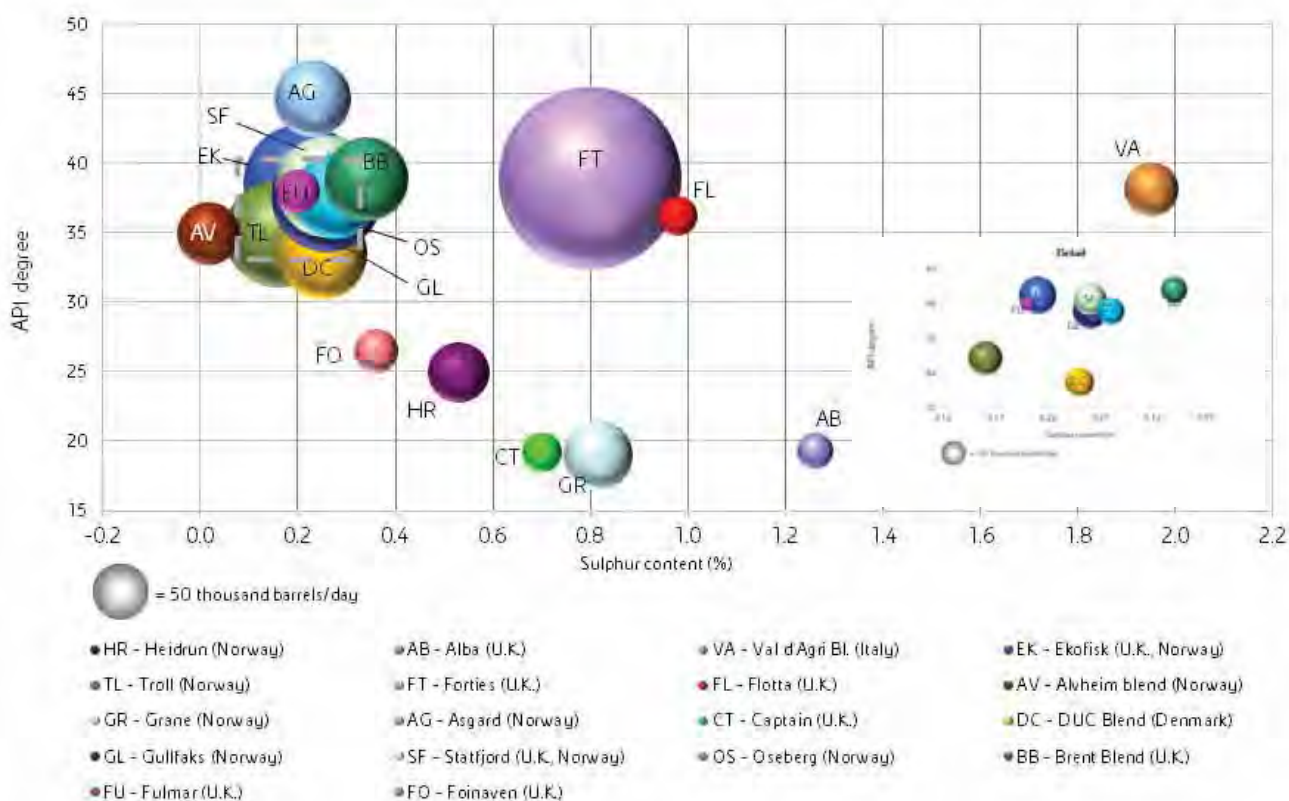
Crude Production by Quality^(*)

(thousand barrels/day)

	2009	2010	2011	2012	2013	2014	2015	2016	Share of total	
									2009	2016
Europe (A)	6,753	5,586	4,128	3,504	3,333	3,354	3,495	3,519		
Ultra Light	124	272	267	506	505	327	338	347	1.8%	9.9%
Light & Sweet	4,449	3,248	1,751	1,439	1,335	1,422	1,486	1,445	65.9%	41.1%
Light & Medium Sour	33	108	648	434	460	428	526	582	0.5%	16.5%
Light & Sour	20	88	68	80	80	81	77	51	0.3%	1.4%
Medium & Sweet	1,026	891	552	505	478	454	428	481	15.2%	13.7%
Medium & Medium Sour										
Medium & Sour	172	1	29	10	10	13	15	6	2.5%	0.2%
Heavy & Sweet	17	31	75	62	19	28	26	33	0.3%	0.9%
Heavy & Medium Sour	307	398	275	221	194	151	163	157	4.5%	4.5%
Heavy & Sour	99	79	58	47	44	45	40	40	1.5%	1.1%
Unassigned production (B)	506	470	404	398	407	405	396	377	7.5%	10.7%
% Unassigned production (B/A)	7.5	8.4	9.8	11.4	12.2	12.1	11.3	10.7		

Quality and Production Volume of Main Crudes 2016 ^(**)

(thousand barrels/day)

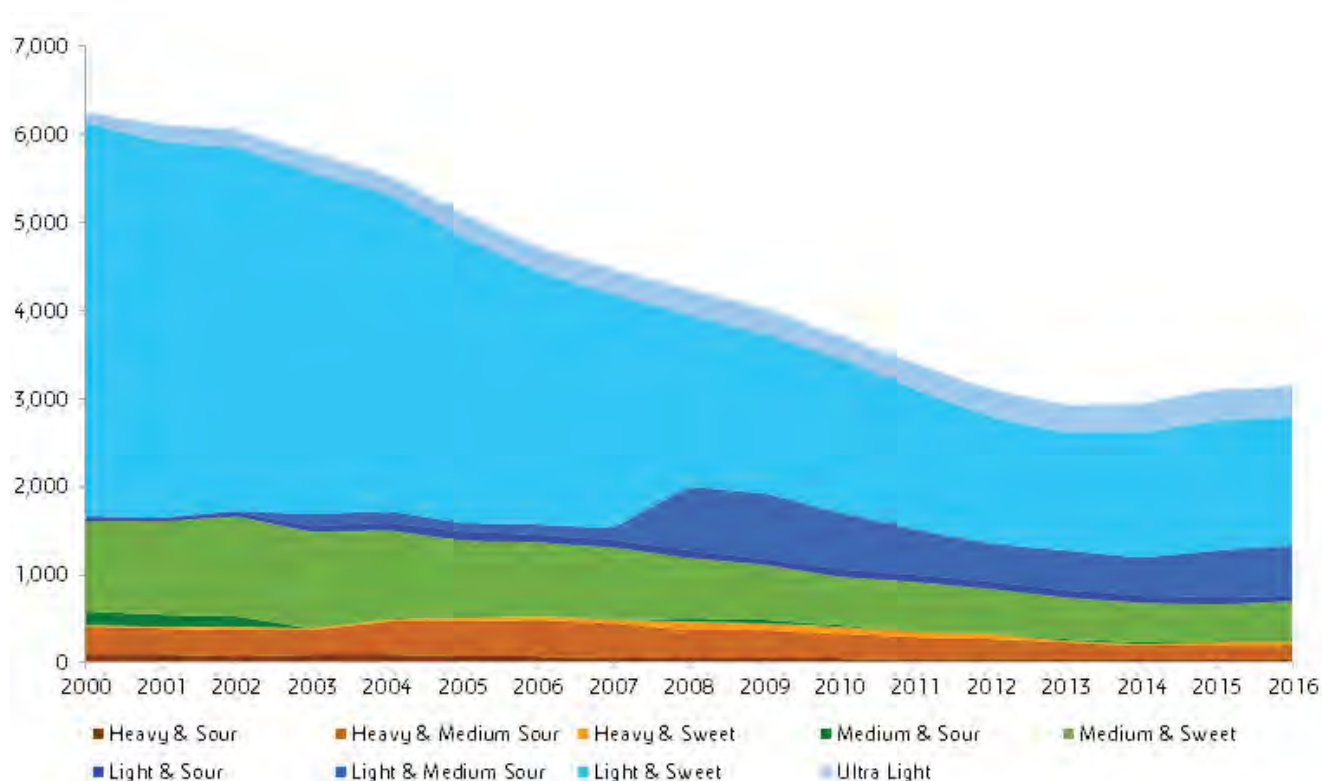


^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

^(**) Data source: Eni.

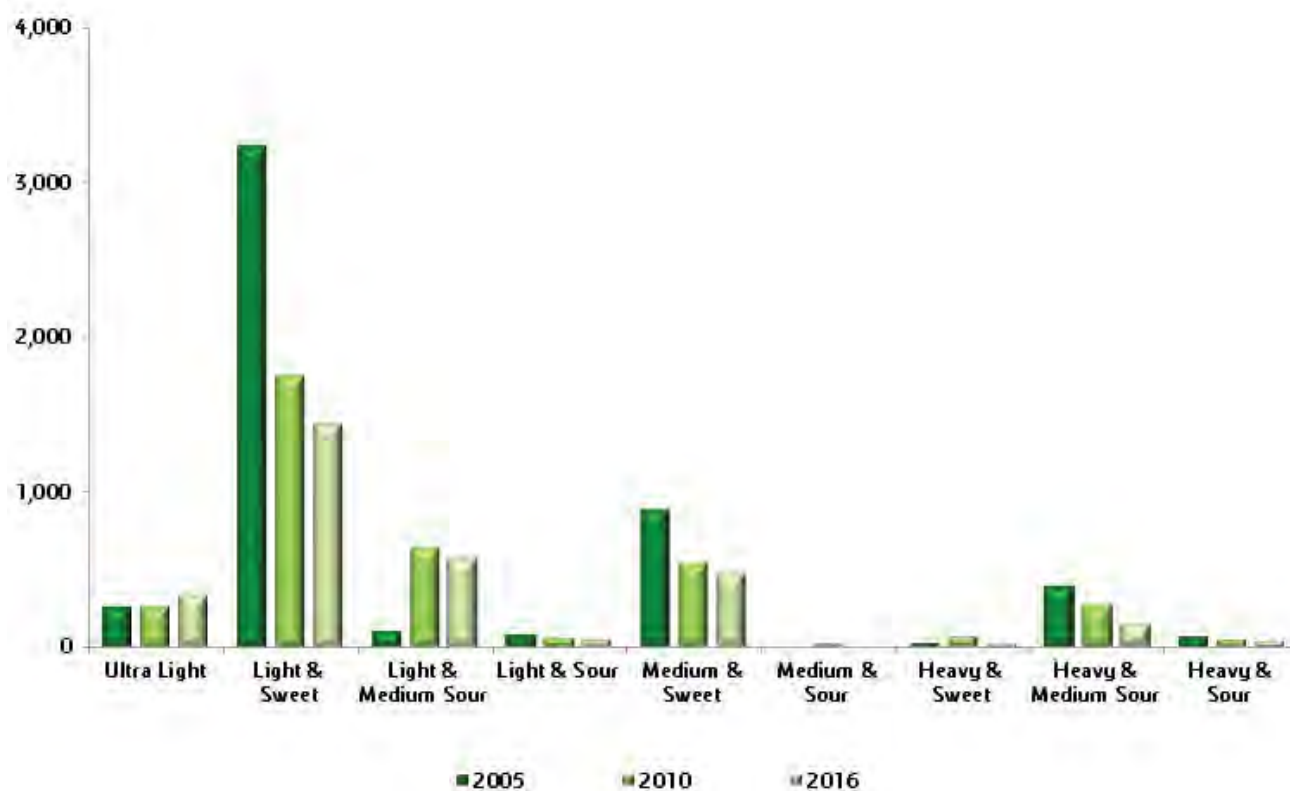
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*) (thousand barrels/day)

	2010	2005	2010	2015	2015	2015	2016	2016	Share of total	
									2000	2016
Denmark	363	388	255	201	175	165	156	141		
Light & Sweet	131	121	24	12	7	8	8	9	36.1%	6.4%
Medium & Sweet	232	267	231	189	168	157	148	132	63.9%	93.6%
Italy	74	114	96	101	102	106	100	71		
Light & Sweet	31	4	6	3	1	1	1		41.3%	
Light & Sour	20	88	68	80	80	81	77	51	27.6%	71.7%
Medium & Sour	2	1							2.2%	
Heavy & Sour	21	21	21	18	20	24	23	20	29.0%	27.8%
Norway	3,331	2,962	2,138	1,917	1,838	1,889	1,948	1,997		
Ultra Light	124	272	267	306	305	327	338	347	3.7%	17.4%
Light & Sweet	2,465	1,913	1,316	1,105	1,070	1,137	1,207	1,188	74.0%	59.5%
Light & Medium Sour			31	31	23	19	13	14		0.7%
Medium & Sweet	560	459	273	288	275	272	249	309	16.8%	15.5%
Medium & Sour			29	10	10	13	15	6		0.3%
Heavy & Medium Sour	182	318	221	177	155	121	126	133	5.5%	6.7%
United Kingdom	2,480	1,652	1,235	886	811	788	894	934		
Light & Sweet	1,823	1,210	404	319	257	276	270	248	73.5%	26.6%
Light & Medium Sour	33	108	617	403	437	409	513	568	1.3%	60.8%
Medium & Sweet	234	165	48	29	35	24	31	41	9.4%	4.4%
Medium & Sour	170								6.9%	
Heavy & Sweet	17	31	75	62	19	28	26	33	0.7%	3.5%
Heavy & Medium Sour	125	80	54	44	39	30	37	24	5.0%	2.6%
Heavy & Sour	78	58	37	29	24	21	17	20	3.1%	2.1%

^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

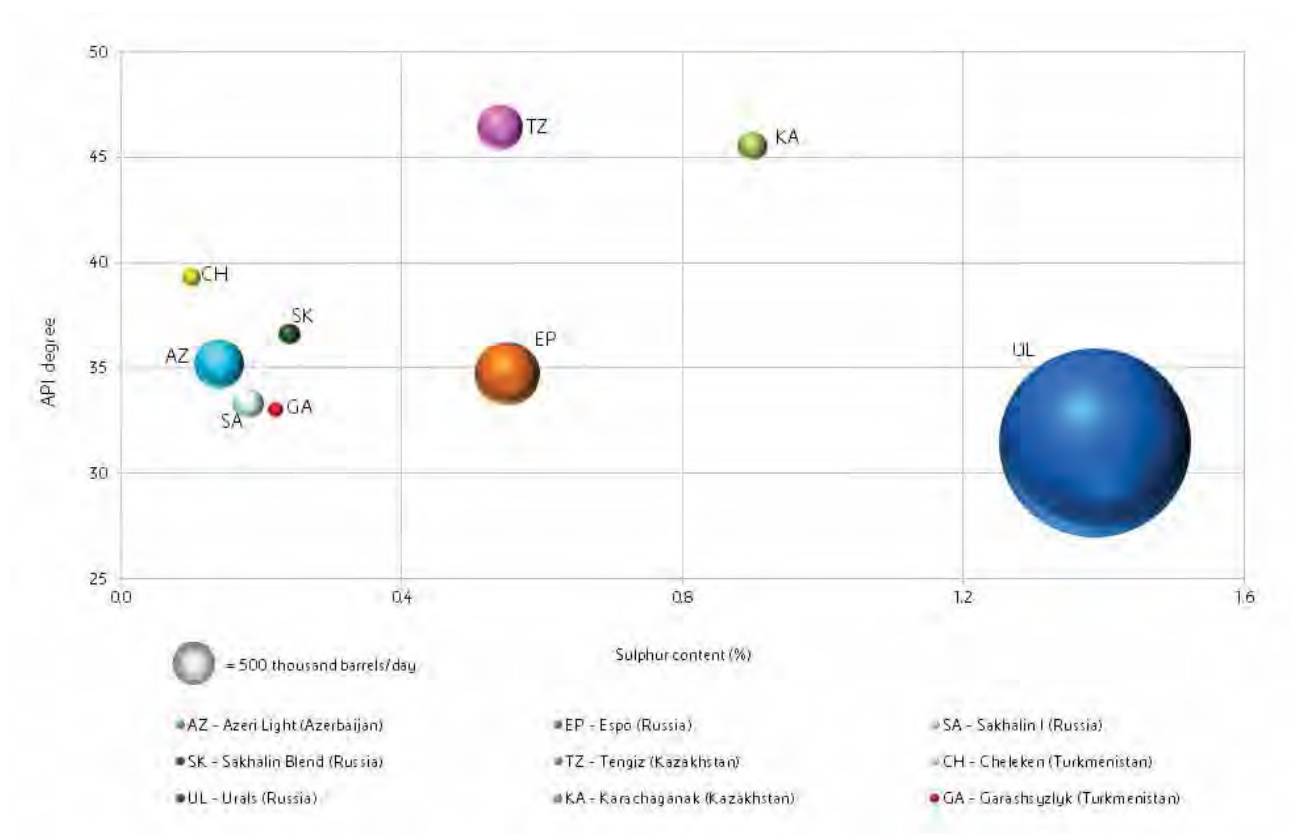
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2015	2014	2013	2012	Share of Crude	
									2000	2012
Russia and Central Asia (A)	7,778	11,666	13,334	13,408	13,660	13,727	13,908	14,085		
Ultra Light	173	264	342	325	353	386	433	447	2.2%	3.2%
Light & Sweet	307	322	1,892	1,207	1,231	1,078	1,091	1,040	4.0%	7.4%
Light & Medium Sour	611	1,196	1,129	1,614	1,698	1,667	1,648	1,588	7.9%	11.3%
Light & Sour	66	58	33	21	20	19	18	15	0.9%	0.1%
Medium & Sweet	266	462	212	134	131	299	343	380	3.4%	2.7%
Medium & Medium Sour	2	3	319	627	742	950	1,059	1,072	0.0%	7.6%
Medium & Sour	6,329	9,352	9,395	9,471	9,477	9,322	9,310	9,538	81.4%	67.7%
Heavy & Sweet	15	6	10	6	5	4	5	5	0.2%	0.0%
Heavy & Medium Sour										
Heavy & Sour										
Unassigned production (B)	9	4	2	3	3	2	2	1	0.1%	0.0%
% Unassigned production (B/A)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Quality and Production Volume of Main Crudes 2016 ^(**)

(thousand barrels/day)

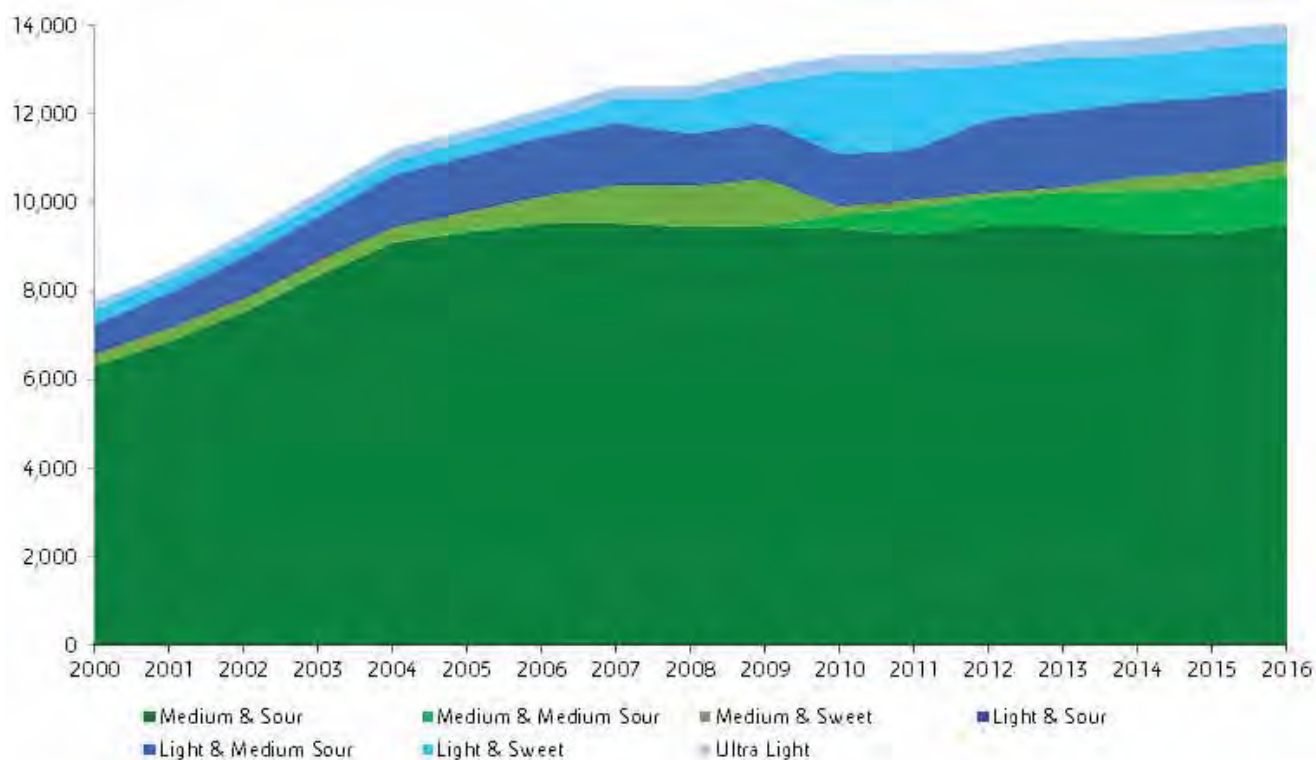


^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

^(**) Data source: Eni.

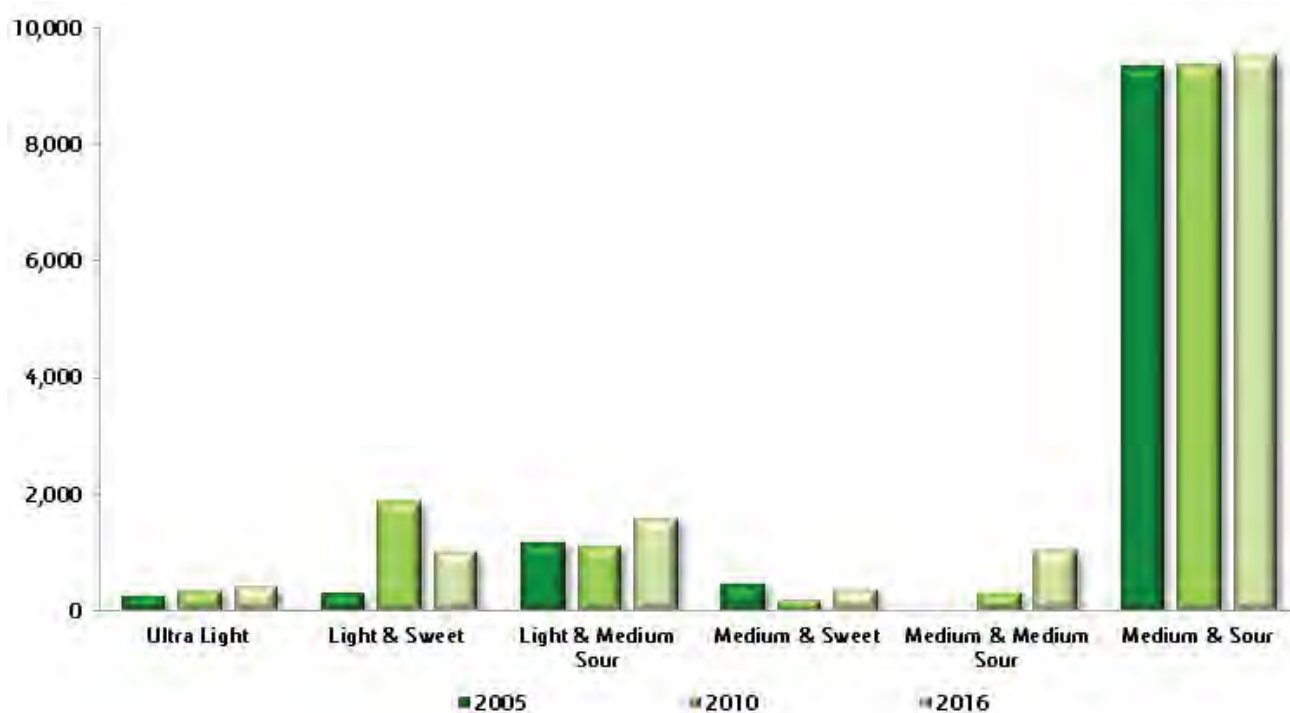
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*) (thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Sweet/Total	
									2010	2016
Azerbaijan	281	448	1,041	878	884	861	848	828		
Light & Sweet	149	145	1,012	850	856	832	820	802	53.0%	96.9%
Medium & Sweet	132	303	29	28	28	29	28	26	47.0%	3.1%
Kazakhstan	718	1,295	1,655	1,669	1,714	1,692	1,672	1,638		
Ultra Light	107	99	80	64	56	58	56	61	14.9%	3.7%
Light & Sweet			518							
Light & Medium Sour	611	1,196	1,057	1,605	1,658	1,634	1,616	1,578	85.1%	96.3%
Russia	6,527	9,636	10,390	10,623	10,793	10,895	11,087	11,341		
Ultra Light	50	145	251	251	287	319	368	377	0.8%	3.3%
Light & Sweet	148	139	261	253	249	111	110	108	2.3%	1.0%
Light & Medium Sour			72	9	41	33	32	10		0.1%
Medium & Sweet			96	15		161	210	238		2.1%
Medium & Medium Sour			318	627	741	950	1,059	1,070		9.4%
Medium & Sour	6,329	9,352	9,392	9,469	9,476	9,321	9,309	9,538	97.0%	84.1%
Turkmenistan	159	201	196	204	237	249	273	253		
Ultra Light		4	1	3	4	3	3	3		1.3%
Light & Sweet	10	33	99	102	125	134	160	129	6.4%	50.9%
Medium & Sweet	134	159	87	92	103	109	106	116	84.1%	46.0%
Heavy & Sweet	15	6	10	6	5	4	5	5	9.4%	1.8%
Uzbekistan	85	62	50	31	30	28	26	24		
Ultra Light	16	16	10	7	6	6	6	6	19.3%	24.4%
Light & Sweet		5	2	1	1	1	1	1		5.1%
Light & Sour	66	58	33	21	20	19	18	15	78.3%	62.8%
Medium & Medium Sour	2	3	1	1	1			2	2.5%	7.7%
Medium & Sour			3	1	1	1	1			

^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

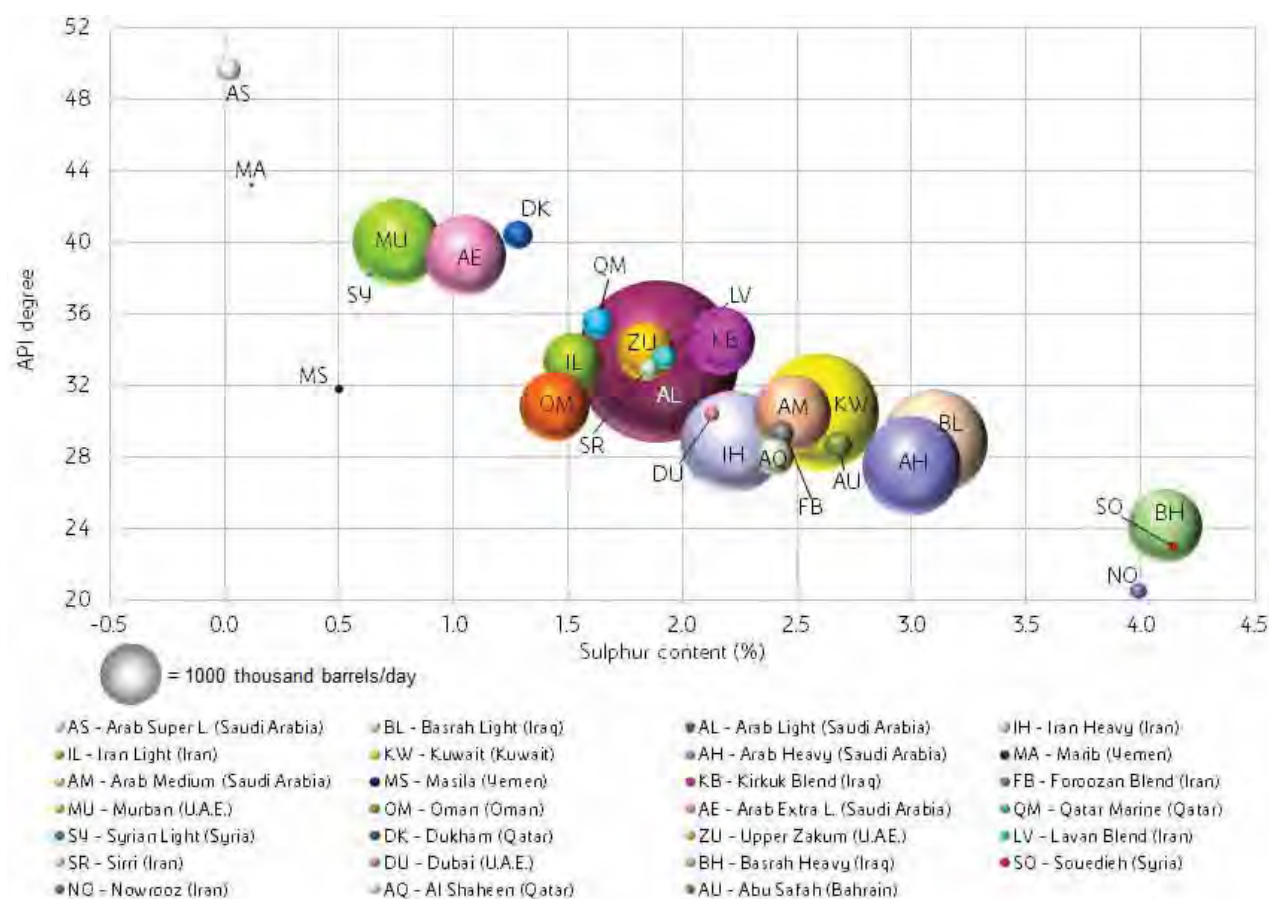
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	Share of total	Share of total
Middle East	21,796	22,918	22,170	24,395	24,264	24,604	25,812	27,371											
Ultra Light	173	442	898	1,136	1,175	1,174	1,192	1,198	0.8%	4.4%									
Light & Sweet	352	251	176	173	167	145	129	121	1.6%	0.4%									
Light & Medium Sour	1,549	1,504	1,390	1,431	1,448	1,484	1,566	1,601	7.1%	5.8%									
Light & Sour	2,299	2,121	2,050	2,189	2,411	2,247	2,367	2,440	10.5%	8.9%									
Medium & Sweet																			
Medium & Medium Sour	258	272	164	96	117	87	24	13	1.2%	0.0%									
Medium & Sour	16,702	17,725	16,887	18,908	18,540	18,971	19,263	20,714	76.6%	75.7%									
Heavy & Sweet																			
Heavy & Medium Sour																			
Heavy & Sour	464	603	605	462	406	495	1,271	1,285	2.1%	4.7%									

Quality and Production Volume of Main Crudes 2016 ^(**)

(thousand barrels/day)

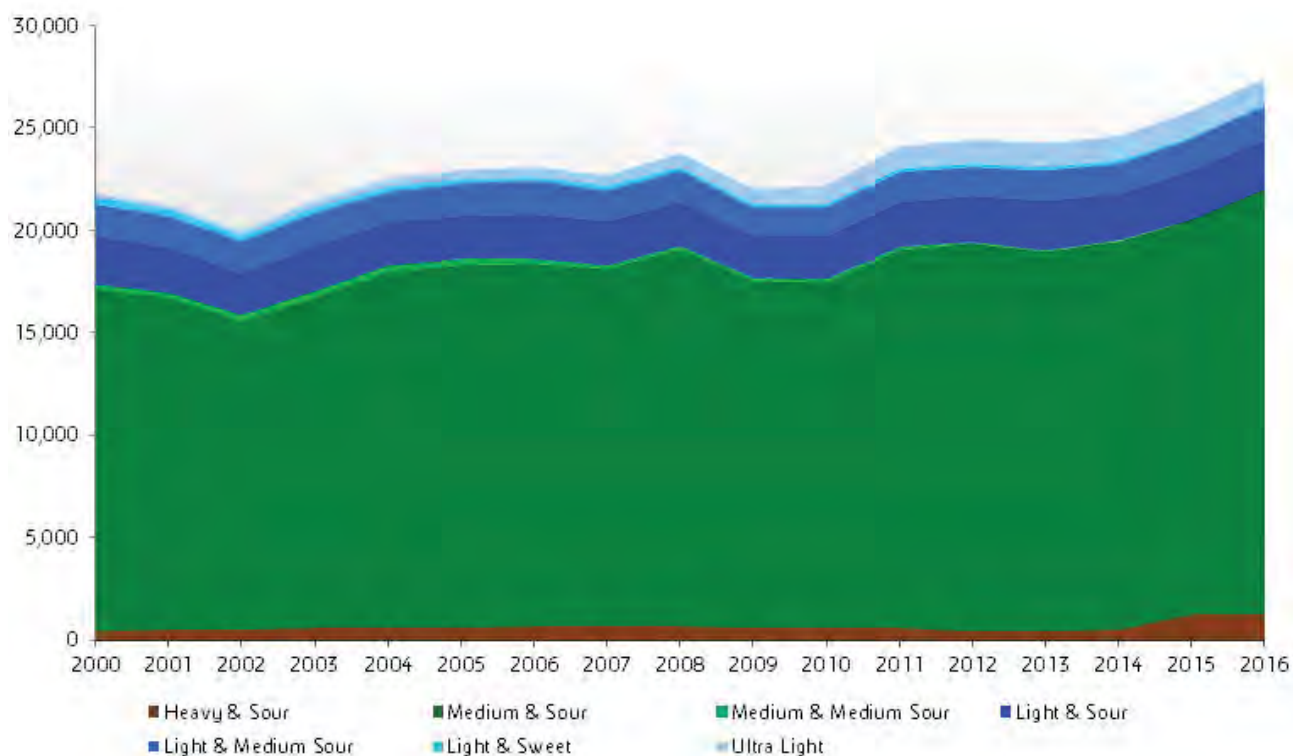


^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

^(**) Data source: Eni.

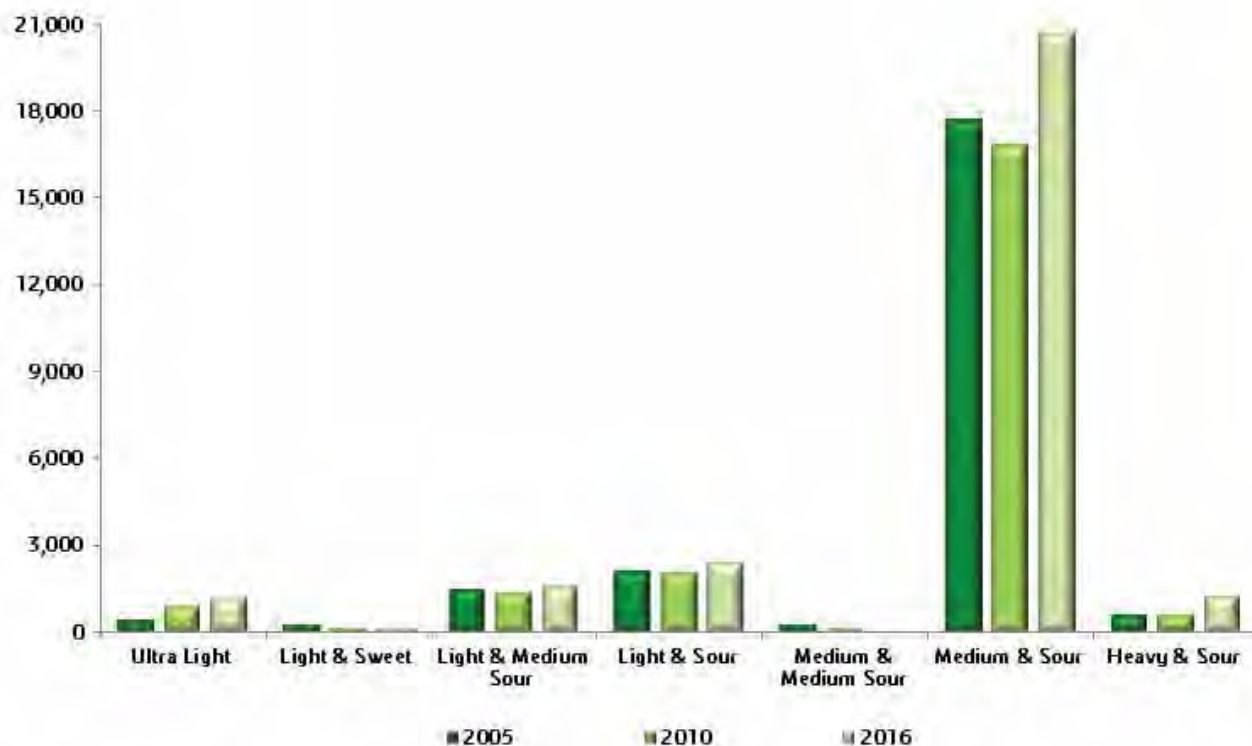
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*)

(thousand barrels/day)

	2006	2007	2008	2009	2010	2011	2012	2013	Change % 2013-2010	
Bahrain	187	187	182	172	198	202	202	198		
Medium & Sour	187	187	182	172	198	202	202	198	100.0%	100.0%
Iran	3,685	3,879	3,705	3,004	2,682	2,812	2,846	3,547		
Medium & Sour	3,685	3,771	3,558	2,893	2,569	2,690	2,727	3,421	100.0%	96.4%
Heavy & Sour		108	147	111	112	121	120	126		3.6%
Iraq	2,567	1,813	2,364	2,952	3,080	3,338	4,002	4,413		
Medium & Sour	2,567	1,813	2,364	2,952	3,080	3,336	2,932	3,268	100.0%	74.1%
Heavy & Sour							1,071	1,145		25.9%
Kuwait	2,045	2,423	2,298	2,735	2,809	2,790	2,787	2,884		
Medium & Sour	1,889	2,268	2,157	2,590	2,674	2,609	2,751	2,884	92.4%	100.0%
Heavy & Sour	156	155	140	139	135	181	35		7.6%	
Oman	956	774	865	919	947	943	982	1,004		
Medium & Sour	956	774	865	919	947	943	982	1,004	100.0%	100.0%
Qatar	860	1,216	1,636	1,876	1,904	1,879	1,844	1,848		
Ultra Light	173	442	698	1,130	1,175	1,174	1,192	1,198	20.1%	64.8%
Light & Sour	584	556	452	430	416	390	356	354	87.9%	19.2%
Medium & Sour	104	218	286	304	313	314	296	296	12.0%	16.0%
Saudi Arabia	8,278	9,353	8,177	9,765	9,664	9,717	10,160	10,416		
Light & Sweet	162	115	56	114	111	105	115	110	2.0%	1.1%
Light & Sour	1,269	1,076	1,101	1,124	1,330	1,201	1,331	1,397	15.3%	13.4%
Medium & Sour	6,690	8,007	6,879	8,407	8,088	8,230	8,677	8,902	80.8%	85.5%
Heavy & Sour	156	155	140	139	135	181	35		1.9%	
Syria	545	413	350	146	45	23	19	17		
Light & Medium Sour	393	228	172	74	22	11	9	4	72.2%	23.1%
Heavy & Sour	151	185	178	72	23	12	10	13	27.8%	76.9%
United Arab Emirates	2,238	2,458	2,511	2,653	2,762	2,773	2,933	3,027		
Light & Medium Sour	1,150	1,276	1,218	1,358	1,426	1,473	1,557	1,597	51.6%	52.8%
Light & Sour	445	489	497	629	665	656	679	689	19.9%	22.7%
Medium & Medium Sour	12	7							0.5%	
Medium & Sour	625	686	597	666	671	643	696	742	27.9%	24.5%
Yemen	437	400	284	154	173	128	38	18		
Light & Sweet	190	135	120	58	55	40	13	3	43.5%	20.5%
Medium & Medium Sour	247	265	164	96	117	87	24	13	56.5%	79.5%

^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

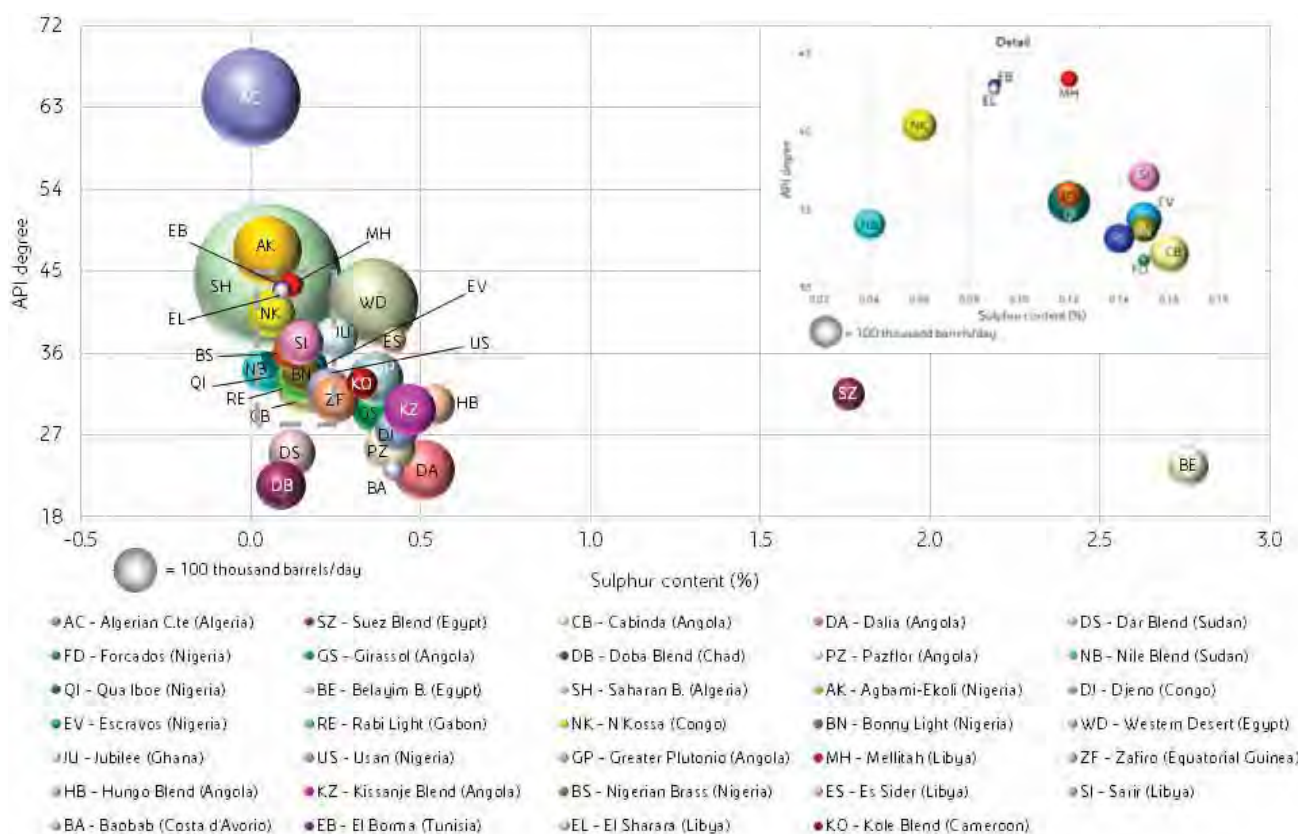
Crude Production by Quality^(*)

(thousand barrels/day)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Africa (A)	7,495	9,536	9,873	9,315	8,550	8,170	8,109	7,605		
Ultra Light	630	603	567	498	468	508	525	531	8.4%	7.0%
Light & Sweet	4,178	4,652	5,356	5,035	4,460	4,007	3,812	3,627	55.7%	47.7%
Light & Medium Sour			77	60	33	31	39	34		0.5%
Light & Sour	22	20	30	28	26	24	21	19	0.3%	0.3%
Medium & Sweet	1,759	2,798	2,366	2,333	2,071	2,167	2,254	2,045	23.5%	26.9%
Medium & Medium Sour	23	290	189	173	248	293	315	321	0.3%	4.2%
Medium & Sour	727	532	395	370	340	319	368	428	9.7%	5.6%
Heavy & Sweet	46	224	454	417	482	513	465	405	0.6%	5.3%
Heavy & Medium Sour	61	56	309	283	282	197	216	192	0.8%	2.5%
Heavy & Sour		159	131	103	101	97	92			
Unassigned production (B)	49	1	0	14	18	13	3	2	0.7%	0.0%
% Unassigned production (B/A)	0.7	0.0	0.0	0.1	0.2	0.2	0.0	0.0		

Quality and Production Volume of Main Crudes 2016^(**)

(thousand barrels/day)

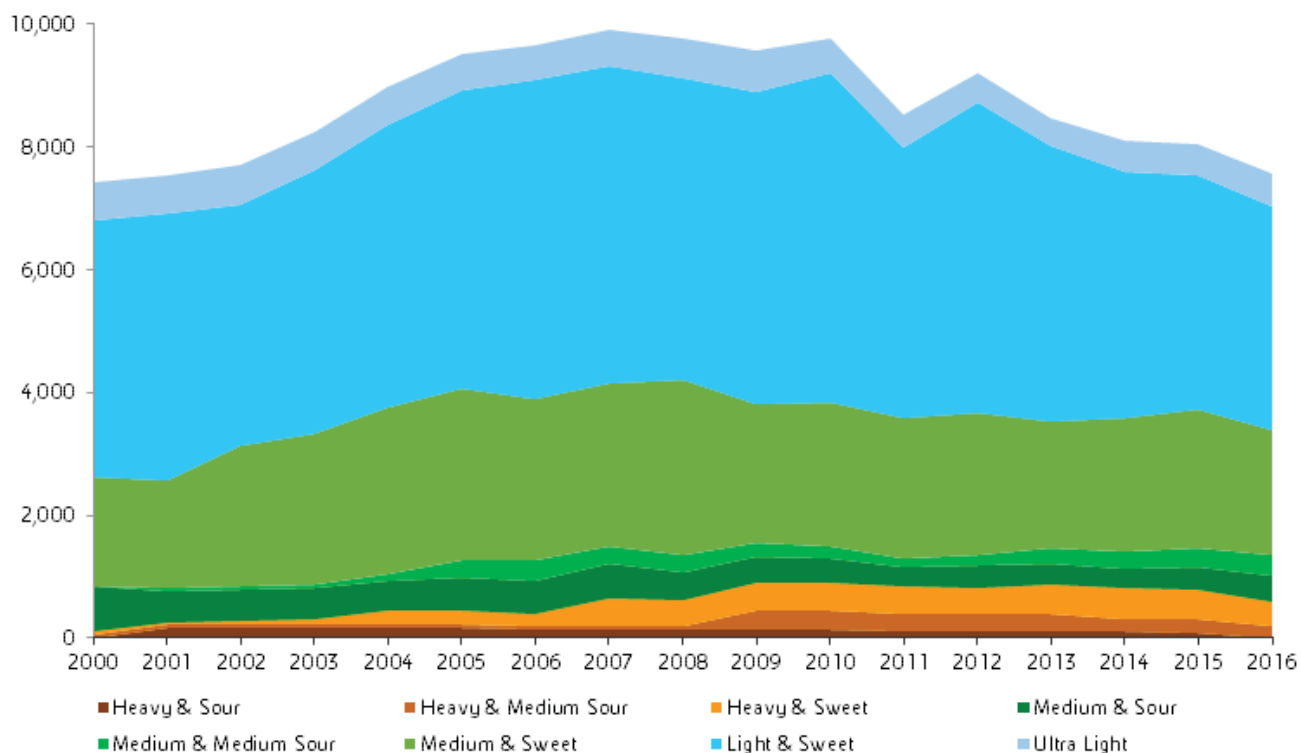


^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

^(**) Data source: Eni.

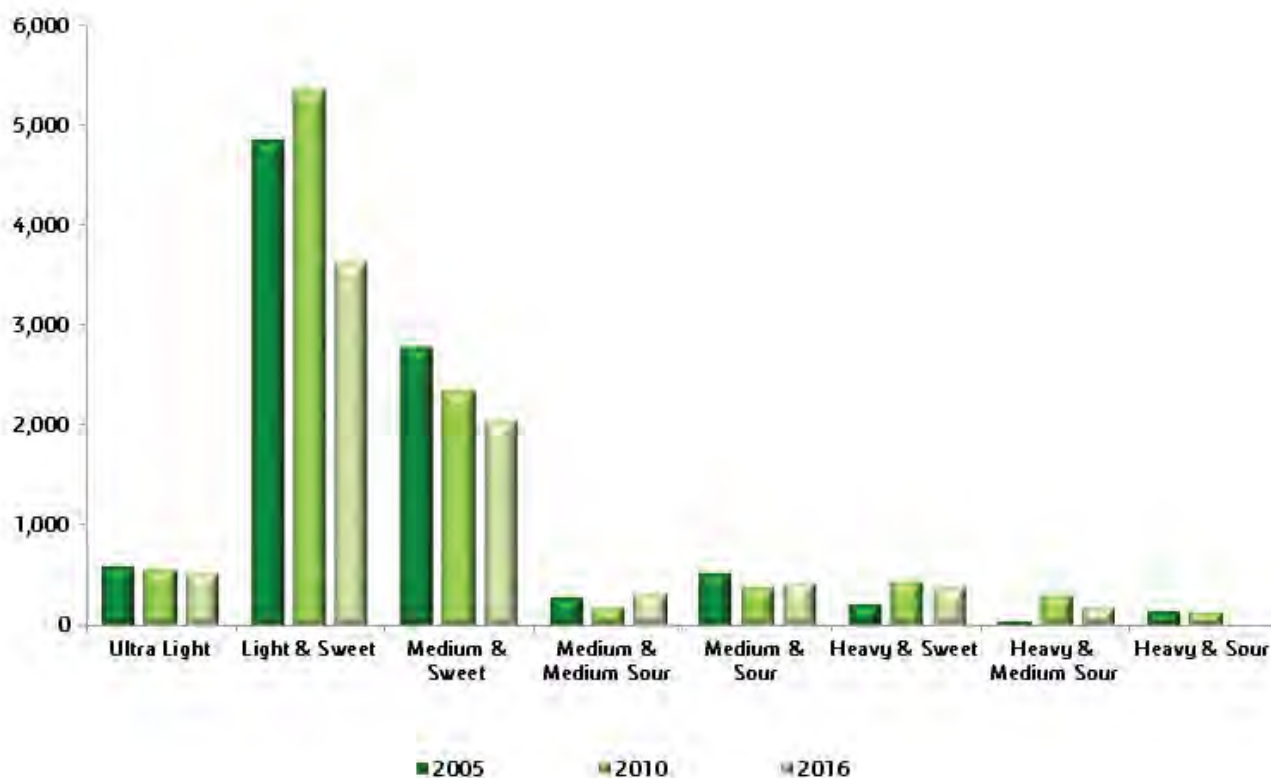
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*) (thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Share of total 2000-2016	
Algeria	1,436	1,931	1,720	1,619	1,573	1,585	1,590	1,598		
Ultra Light	630	603	515	454	425	465	481	487	43.9%	30.5%
Light & Sweet	806	1,327	1,205	1,165	1,148	1,121	1,109	1,111	56.1%	69.5%
Angola	745	1,228	1,750	1,784	1,718	1,659	1,760	1,708		
Light & Sweet	355	280	356	281	222	254	248	245	47.6%	14.3%
Medium & Sweet	329	657	921	873	769	727	827	892	44.2%	52.2%
Medium & Medium Sour		235	165	153	230	277	306	251		14.7%
Heavy & Sweet				194	215	203	163	128		7.5%
Heavy & Medium Sour	61	56	309	283	282	197	216	192	8.2%	11.3%
Cameroon	114	89	64	64	69	76	76	77		
Medium & Sweet	68	54	38	39	41	45	46	46	60.0%	60.0%
Heavy & Sweet	46	36	26	26	28	30	31	31	40.0%	40.0%
Chad	0	170	130	140	132	123	117	118		
Heavy & Sweet	0	170	130	140	132	123	117	118		100.0%
Congo	256	239	307	269	236	249	240	221		
Light & Sweet	131	121	180	144	136	110	114	130	51.2%	58.8%
Medium & Sweet	125	118	127	125	100	139	126	91	48.8%	41.2%
Cote d'Ivoire	7	40	45	42	34	27	28	25		
Medium & Sweet	7	22	21	24	20	17	11	7	100.0%	29.5%
Heavy & Sweet	0	19	24	18	14	10	16	18		70.5%
Dem. Rep. Congo	23	25	25	24	24	23	22	21		
Medium & Sweet	23	25	25	24	24	23	22	21	100.0%	100.0%
Egypt	640	618	663	653	670	672	682	652		
Light & Sweet	109	146	319	361	394	401	416	406	17.0%	62.2%
Medium & Sour	531	313	213	189	175	174	175	246	85.0%	37.8%
Heavy & Sour	0	159	131	103	101	97	92			
Equatorial Guinea	118	358	274	272	267	281	289	280		
Ultra Light	0	0	52	44	44	44	44	44		15.7%
Light & Sweet	9	71							7.7%	
Medium & Sweet	105	247	222	228	223	237	245	174	88.9%	62.0%
Medium & Medium Sour	4	40						63	5.5%	22.4%

^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*)

(thousand barrels/day)

	2002	2003	2010	2012	2015	2016	2017	2018	Share of total	
									2002	2018
Gabon	276	270	249	253	232	232	230	227		
Light & Sweet		77	97	114	107	109				
Medium & Sweet	138	69	43	40	35	31	112	114	50.0%	50.1%
Medium & Sour	138	124	108	99	90	92	117	113	50.0%	49.9%
Ghana	7	6	7	81	104	107	106	92		
Light & Sweet	7	6	7	81	104	107	106	92	100.0%	100.0%
Libya	1,411	1,640	1,550	1,387	898	459	402	391		
Light & Sweet	1,353	1,544	1,400	1,246	789	374	294	295	95.9%	75.4%
Light & Medium Sour			77	60	33	31	39	34		8.8%
Medium & Sour	58	96	73	81	76	53	69	62	4.1%	15.8%
Mauritania			9	7	6	5	5	4		
Medium & Medium Sour			9	7	6	5	5	4		100.0%
Nigeria	2,160	2,546	2,535	2,402	2,293	2,330	2,258	1,938		
Light & Sweet	1,372	1,245	1,757	1,617	1,558	1,512	1,508	1,333	63.5%	68.7%
Medium & Sweet	788	1,301	762	847	716	819	750	606	36.5%	31.3%
Heavy & Sweet			16	18	19					
Sudan	177	305	465	156	218	275	253	205		
Medium & Sweet	177	305	205	134	143	128	115	95	100.0%	46.2%
Heavy & Sweet			259	22	75	147	138	111		53.8%
Tunisia	76	71	79	67	61	54	49	46		
Light & Sweet	36	35	34	24	22	19	18	16	47.4%	35.4%
Light & Sour	22	20	30	28	26	24	21	19	28.3%	42.0%
Medium & Medium Sour	18	16	15	14	13	11	4	3	24.3%	7.5%
Medium & Sour							6	7		15.1%

^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

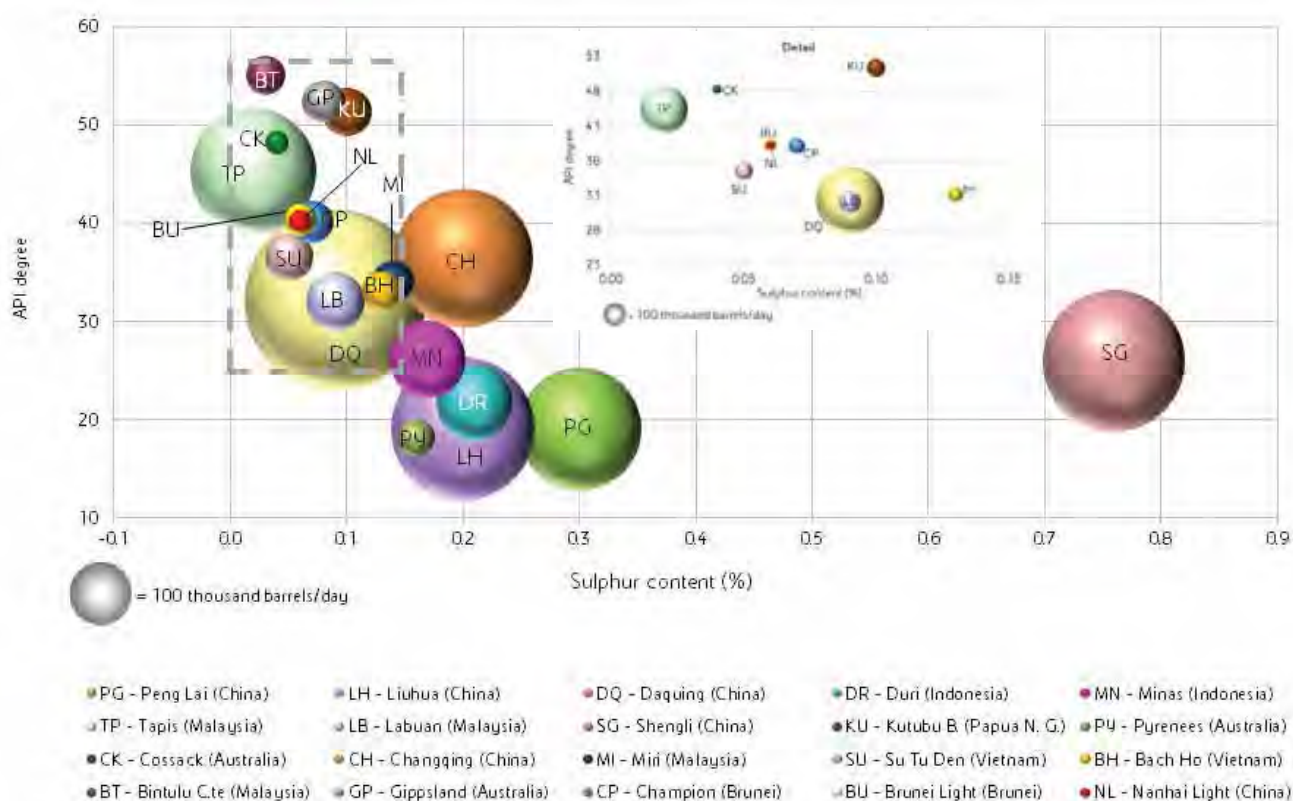
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2011	2012	2013	2014	2015	2016	2016	2016
Asia - Pacific (A)	7,470	7,678	7,974	7,819	7,667	7,712	7,848	7,498			
Ultra Light	397	262	307	277	240	246	263	231	5.3%	3.1%	
Light & Sweet	2,453	2,612	2,236	2,136	2,063	2,045	2,037	2,568	32.8%	34.2%	
Light & Medium Sour	31	33							0.4%		
Light & Sour			34	34	34	34	31				
Medium & Sweet	3,018	2,889	3,178	3,271	3,320	3,383	3,320	2,464	40.4%	32.9%	
Medium & Medium Sour	543	563	582	582	589	590	574	499	7.3%	6.7%	
Medium & Sour	17	19	19	19	20	19	18	43	0.2%	0.6%	
Heavy & Sweet	936	1,163	1,496	1,370	1,260	1,252	1,464	1,560	12.5%	20.8%	
Heavy & Medium Sour											
Heavy & Sour											
Unassigned production (B)	75	136	121	129	141	144	141	134	1.0%	1.8%	
% Unassigned production (B/A)	1.0	1.8	1.5	1.7	1.8	1.9	1.8	1.8			

Quality and Production Volume of Main Crudes 2016 ^(**)

(thousand barrels/day)

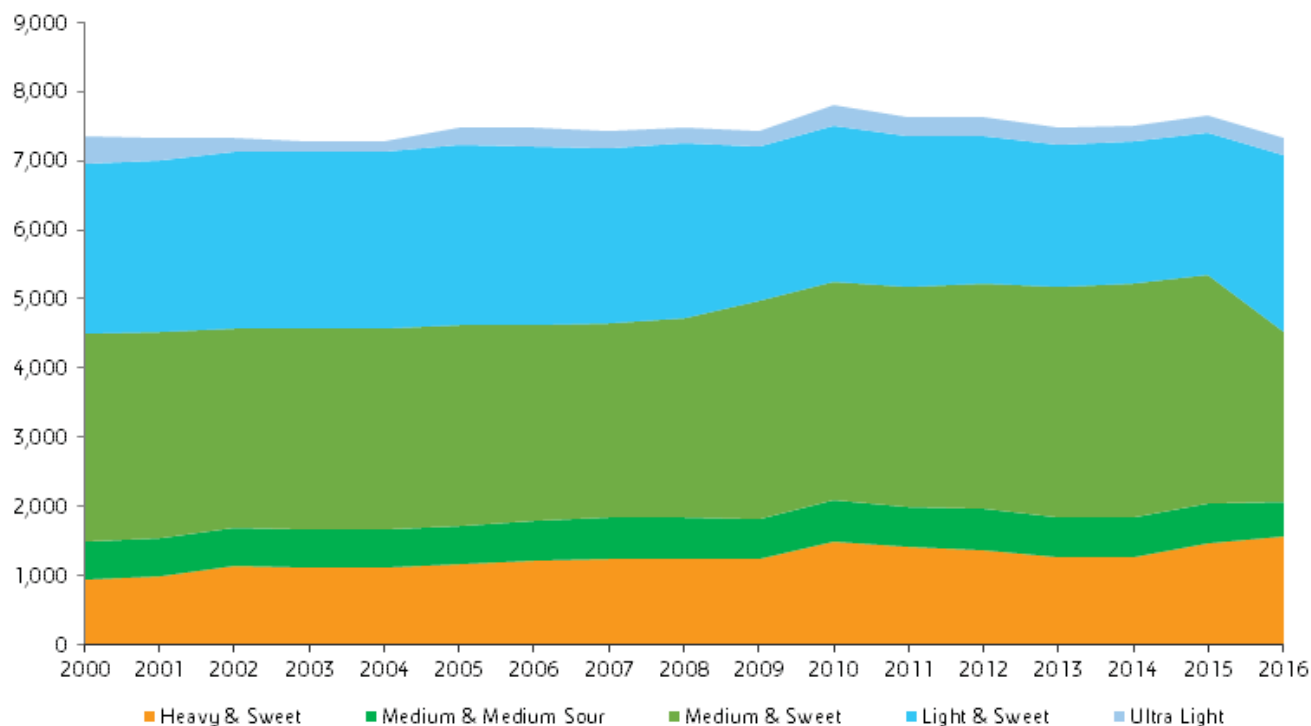


^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

^(**) Data source: Eni.

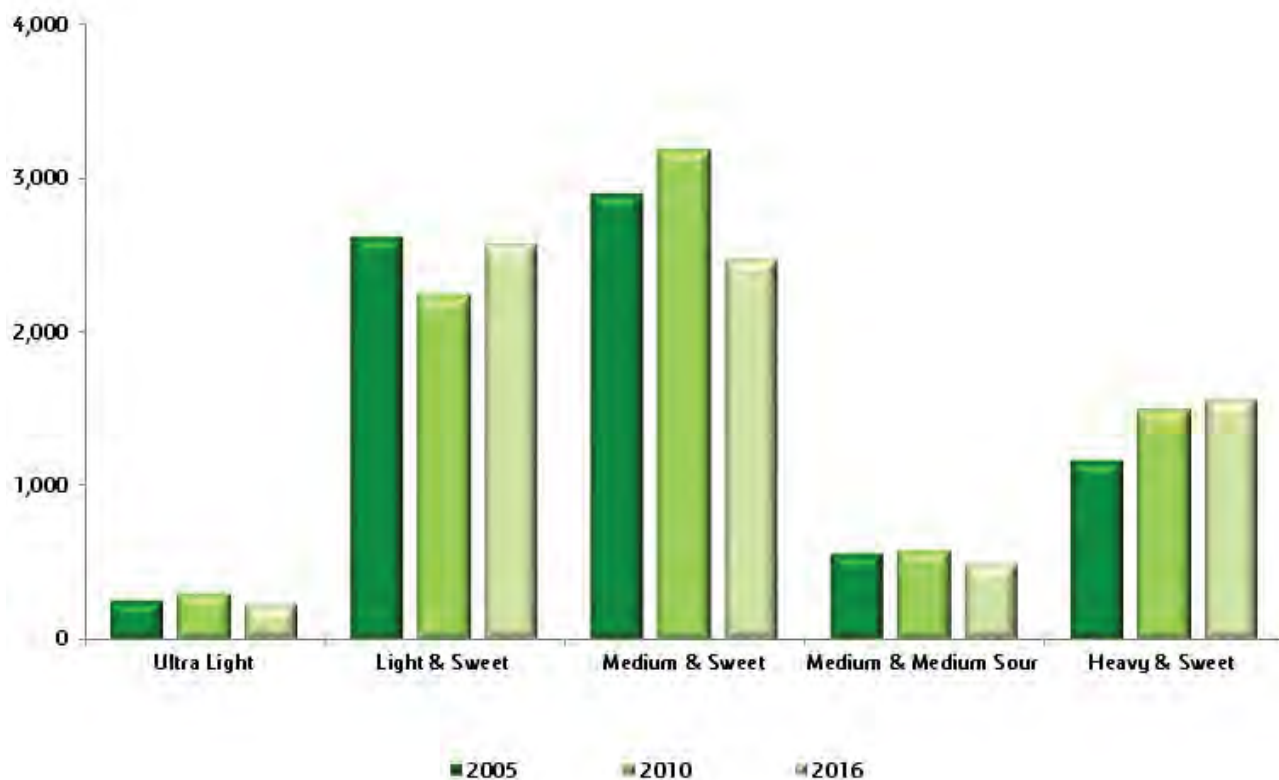
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Share of total 2000-2016	
Australia	721	456	479	405	335	353	322	292		
Ultra Light	311	50	85	95	79	88	66	64	43.1%	21.9%
Light & Sweet	372	364	220	172	181	179	164	176	51.6%	60.2%
Heavy & Sweet	38	42	174	138	75	86	92	52	5.3%	17.8%
Brunei	195	206	153	159	135	126	127	115		
Ultra Light	16	18	22	13	13	12	11	13	8.2%	10.9%
Light & Sweet	112	96	71	86	66	56	36	24	57.4%	20.8%
Medium & Sweet	6	3	42	43	41	42	61	60	3.1%	52.0%
Heavy & Sweet	61	88	18	18	15	17	18	19	31.3%	16.3%
China	3,259	3,636	4,067	4,134	4,144	4,205	4,287	3,982		
Light & Sweet	200	229	32	39	32	14	14	487	6.1%	12.2%
Light & Medium Sour	31	33							1.0%	
Light & Sour			34	34	34	34	31			
Medium & Sweet	2,018	2,094	2,409	2,531	2,562	2,643	2,522	1,668	61.9%	41.9%
Medium & Medium Sour	543	563	582	582	589	590	574	499	16.7%	12.5%
Medium & Sour	17	19	19	19	20	19	18	43	0.5%	1.1%
Heavy & Sweet	450	698	990	929	906	905	1,128	1,285	13.8%	32.3%
East Timor		92	88	79	79	74	67	61		
Ultra light		92	88	79	79	74	67	61		100.0%
India	659	656	789	773	769	768	760	734		
Light & Sweet	552	562	694	672	671	677	673	650	83.8%	88.6%
Medium & Sweet	40	27	23	25	26	23	20	19	6.1%	2.6%
Heavy & Sweet	67	67	72	76	72	68	67	65	10.2%	8.9%
Indonesia	1,313	1,075	949	860	827	792	777	834		
Ultra Light	29	49	48	35	35	37	28	1	2.2%	0.1%
Light & Sweet	465	388	376	355	338	320	313	321	35.4%	38.6%
Medium & Sweet	499	371	282	260	263	259	277	372	38.0%	44.6%
Heavy & Sweet	320	268	242	210	192	177	159	140	24.4%	16.7%
Malaysia	704	779	702	642	603	632	691	695		
Ultra Light	41	53	64	56	33	35	37	36	5.8%	5.2%
Light & Sweet	464	543	374	369	359	393	456	533	66.0%	76.7%
Medium & Sweet	198	183	264	217	211	205	198	126	28.2%	18.1%

(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2012	2013	2014	2015	2016	Share of total	
									2000	2016
New Zealand	36	19	55	41	35	39	41	36		
Light & Sweet	36	19	38	31	30	30	29	19	100.0%	53.1%
Medium & Sweet			16	10	6	10	13	17		46.9%
Papua New Guinea	64	54	31	27	25	35	53	57		
Ultra Light							53	57		100.0%
Light & Sweet	64	54	31	27	25	35			100.0%	
Thailand	120	196	242	239	241	233	248	258		
Light & Sweet	120	196	242	239	241	233	248	258	100.0%	100.0%
Vietnam	325	372	299	331	332	310	333	302		
Light & Sweet	68	160	158	146	121	109	104	99	20.9%	32.8%
Medium & Sweet	257	212	141	185	211	201	229	203	79.1%	67.2%

^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

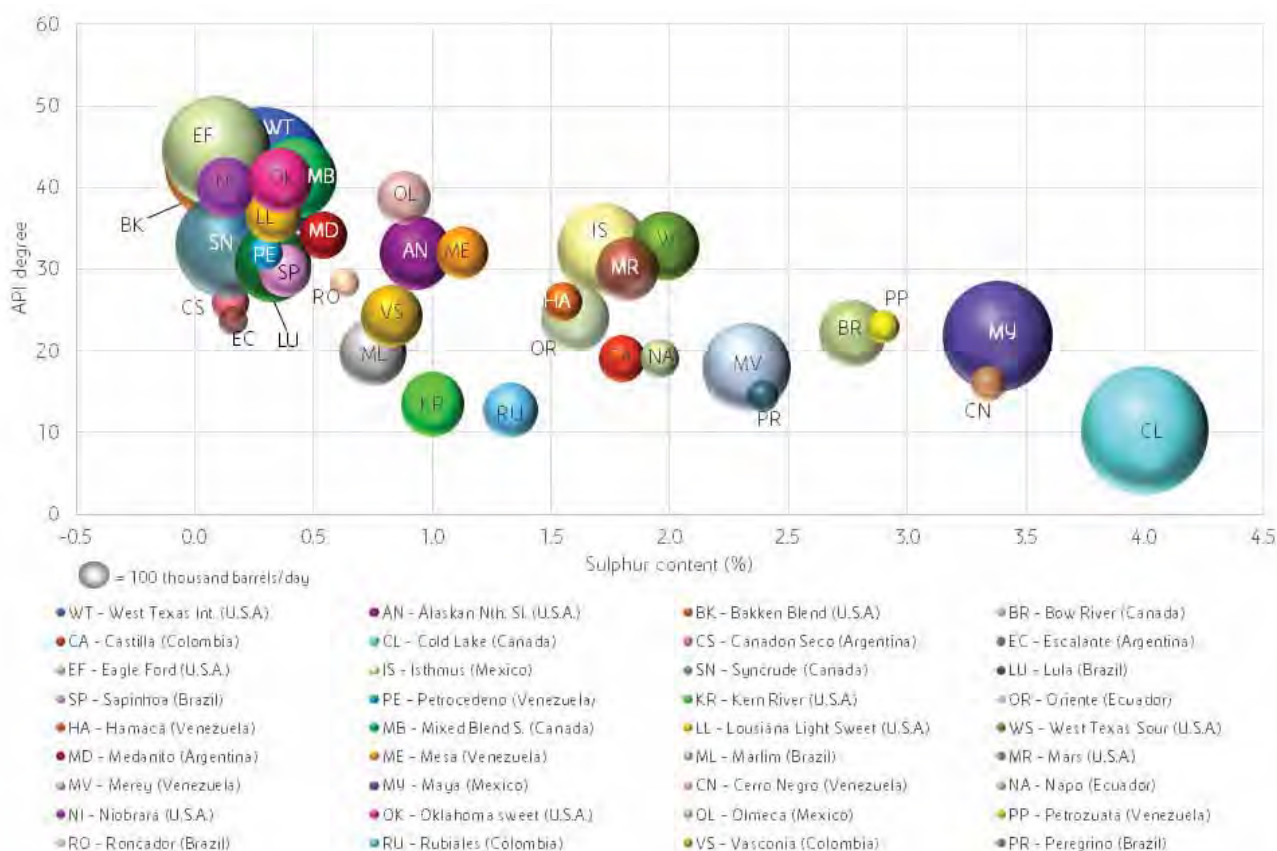
Crude Production by Quality^(*)

(thousand barrels/day)

	2010	2015	2016	2017	2018	2019	2020	2021	Share of total	
									2000	2010
Americas (A)	17,198	17,433	17,518	19,011	20,228	21,898	22,613	21,655		
Ultra Light	64	183	145	287	406	534	580	604	0.4%	2.8%
Light & Sweet	3,379	2,699	2,923	4,245	5,092	6,290	6,823	6,121	19.6%	28.3%
Light & Medium Sour	552	193	370	370	351	339	316	300	3.2%	1.4%
Light & Sour										
Medium & Sweet	883	1,409	1,510	1,637	1,808	2,009	2,287	2,451	5.1%	11.3%
Medium & Medium Sour	1,611	1,638	1,731	1,369	1,250	1,309	1,281	1,426	9.4%	6.6%
Medium & Sour	3,995	3,627	3,569	3,443	3,211	3,231	3,273	3,115	23.2%	14.4%
Heavy & Sweet	308	265	328	320	298	309	293	267	1.8%	1.2%
Heavy & Medium Sour	1,147	1,438	1,685	1,692	1,760	1,731	1,644	1,371	6.7%	6.3%
Heavy & Sour	4,893	5,620	4,946	5,356	5,759	5,988	6,008	5,875	28.4%	27.1%
Unassigned production (B)	367	363	311	292	294	158	108	126	2.1%	0.6%
% Unassigned production (B/A)	2.1	2.1	1.8	1.5	1.5	0.7	0.5	0.6		

Quality and Production Volume of Main Crudes 2016 ^(**)

(thousand barrels/day)

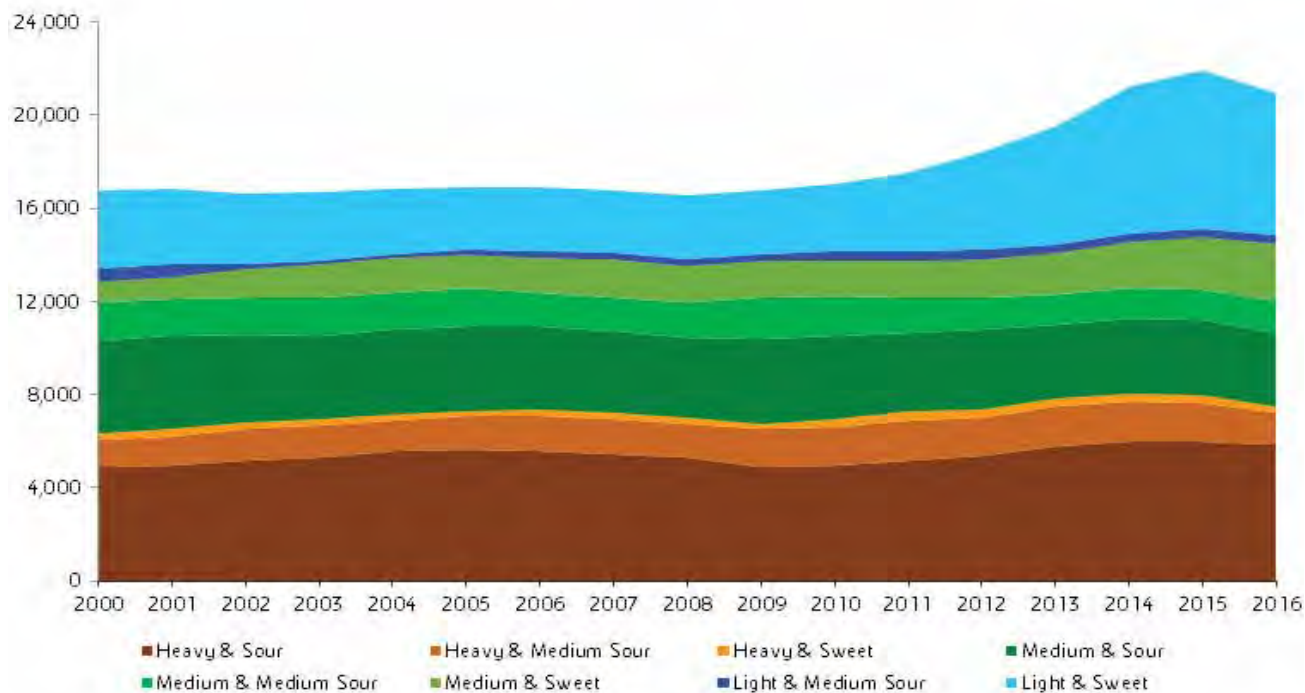


^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

^(**) Data source: Eni.

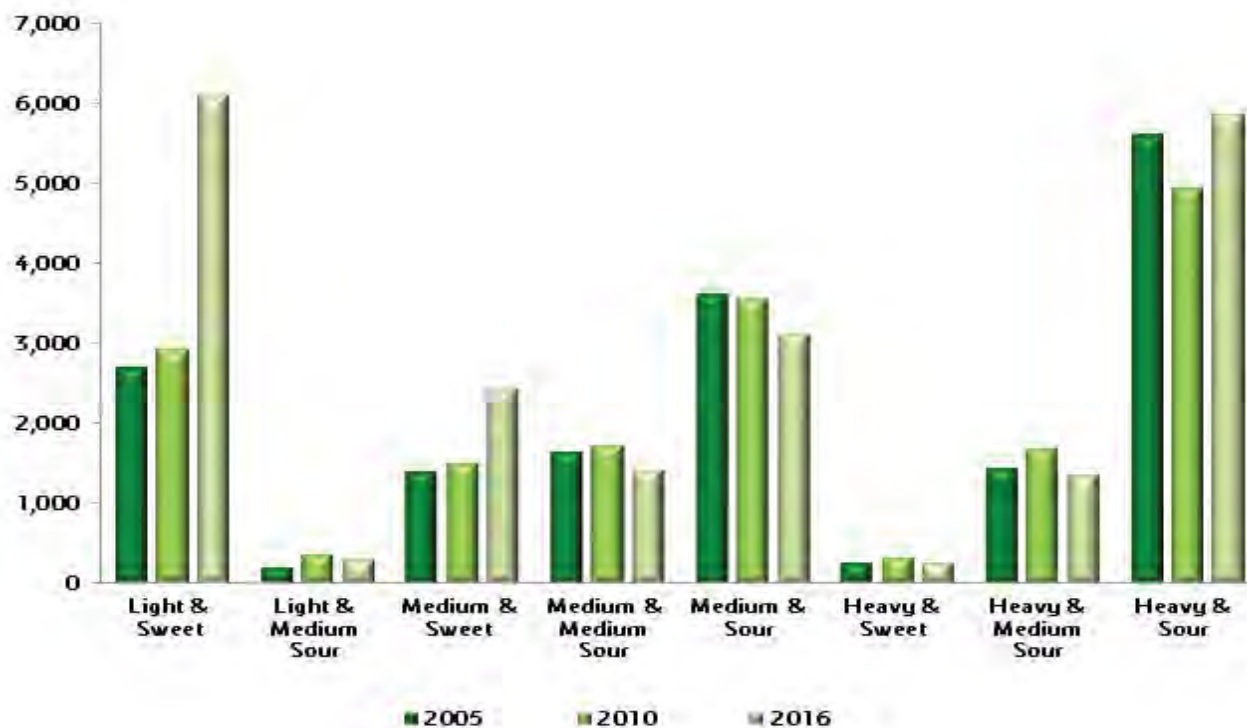
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* © OECD/International Energy Agency, 2017 data.

Crude Production by Quality^(*)

(thousand barrels/day)

	2008	2009	2010	2012	2013	2014	2015	2016	Percentage total	
									2010	2016
Argentina	769	702	589	549	540	532	532	512		
Ultra light		40	22	16	15	13	21	22		4.2%
Light & Sweet	115	99	85	80	79	78	77	74	15.0%	14.4%
Medium & Sweet				1	5	12	17	21		4.1%
Medium & Medium Sour	346	298	255	239	231	221	213	200	45.0%	39.0%
Heavy & Sweet	308	265	227	213	210	208	205	196	40.0%	38.3%
Brazil	1,234	1,634	2,055	2,061	2,024	2,254	2,436	2,510		
Light & Sweet					6	10	6	17		0.7%
Light & Medium Sour	48	49	50	50	41	40	39	54	3.9%	1.4%
Medium & Sweet			20	120	270	427	667	876		34.9%
Medium & Medium Sour	272	456	596	468	238	295	528	368	22.1%	14.7%
Heavy & Sweet			100	107	87	101	88	71		2.8%
Heavy & Medium Sour	914	1,129	1,268	1,242	1,296	1,270	1,210	1,030	74.0%	41.1%
Heavy & Sour			20	74	85	109	98	113		4.5%
Canada	2,015	2,372	2,724	3,131	3,359	3,609	3,678	3,674		
Light & Sweet	832	728	681	781	701	713	670	576	41.3%	15.7%
Medium & Sweet	334	674	939	1,002	1,022	1,043	1,046	1,045	16.6%	28.4%
Medium & Medium Sour					173	166	127	169		4.6%
Heavy & Sour	849	970	1,104	1,348	1,463	1,687	1,835	1,884	42.1%	51.3%
<i>Memo: Syncrude production is included in Medium & Sweet</i>	334	568	818	937	966	988	1,001	1,004	16.6%	27.2%
<i>Memo: bitumen production is included in Heavy & Sour</i>	288	445	680	895	1,011	1,212	1,406	1,484	14.5%	38.2%
Colombia	684	526	786	944	1,008	990	1,006	886		
Light & Sweet	340	135	51	50	46	42	49	52	49.7%	5.9%
Medium & Sweet	105	74	61	53	52	46	42	0	15.3%	
Medium & Medium Sour		0	0	0	0	0	0	39		4.4%
Heavy & Medium Sour	233	309	417	449	464	460	454	340	34.1%	38.4%
Heavy & Sour	6	8	257	391	446	443	480	455	0.9%	51.3%
Ecuador	401	532	466	501	517	551	541	547		
Heavy & Sour	401	532	466	501	517	551	541	547	100.0%	100.0%
Mexico	3,012	3,333	2,577	2,548	2,522	2,429	2,267	2,154		
Light & Medium Sour	504	144	320	320	310	299	277	266	16.7%	12.3%
Medium & Sour	733	802	834	834	847	864	838	785	24.3%	36.4%
Heavy & Sour	1,775	2,387	1,422	1,394	1,365	1,266	1,152	1,103	58.9%	51.2%
United States	5,822	5,184	5,475	6,487	7,468	8,912	9,587	9,007		
Ultra light	21	11	28	165	277	412	466	493	0.4%	5.5%
Light & Sweet	2,092	1,737	2,105	3,334	4,259	5,447	6,022	5,403	35.9%	60.0%
Medium & Sweet	444	505	375	346	359	376	405	408	7.6%	4.5%
Medium & Medium Sour	992	884	879	662	608	627	612	649	17.0%	7.2%
Medium & Sour	1,474	1,395	1,507	1,418	1,385	1,421	1,484	1,466	25.3%	16.3%
Heavy & Sour	800	652	580	562	580	630	598	589	13.7%	6.5%
Venezuela	2,894	2,786	2,535	2,498	2,497	2,462	2,460	2,239		
Ultra light	43	131	96	107	115	109	94	89	1.5%	4.0%
Medium & Sweet		156	114	114	100	105	111	101		4.5%
Medium & Sour	1,789	1,429	1,228	1,191	979	946	951	864	61.8%	38.6%
Heavy & Sour	1,062	1,071	1,097	1,086	1,303	1,302	1,304	1,184	36.7%	52.9%

^(*) Data source: Eni's elaborations on *Monthly Oil Data Services* ° OECD/International Energy Agency, 2017 data.

refining industry

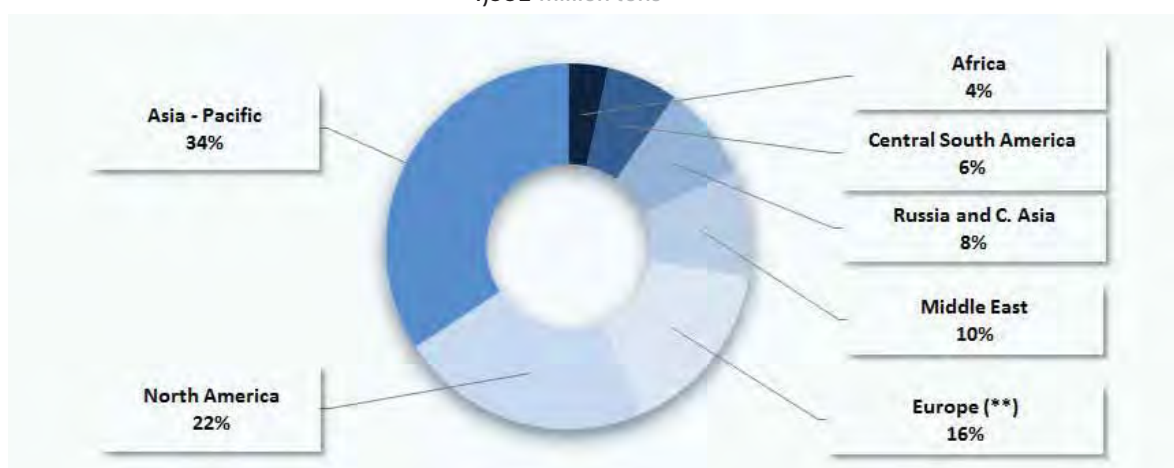
Refining Capacity

Areas and Aggregates (*)

	2000						2005					
	Refineries (no.)	Primary Capacity (mmt/yr)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmt/yr)	Complexity Ratio		Refineries (no.)	Primary Capacity (mmt/yr)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmt/yr)	Complexity Ratio	
					FCC eqv. (%)	NCI					FCC eqv. (%)	NCI
Europe (**)	148	852	17,058	268	31	6.3	137	872	17,461	298	34	8.7
Russia and Central Asia	58	404	8,133	55	14	5.8	61	370	7,448	63	17	8.7
Middle East	46	325	6,527	52	16	5.4	47	361	7,324	61	17	8.5
Africa	47	142	2,837	16	11	4.9	46	158	3,154	26	17	5.6
Asia - Pacific	229	1116	22,369	398	36	7.0	243	1,232	24,684	552	45	7.4
Americas	256	1313	26,272	787	60	9.9	253	1,358	27,184	855	63	10.2
North America	182	997	19,947	659	66	10.8	175	1,034	20,696	709	69	11.1
Central South America	74	316	6,325	128	41	7.7	78	324	6,488	146	45	7.3
World	784	4,153	83,196	1,576	38	7.9	787	4,352	87,255	1,856	43	8.2

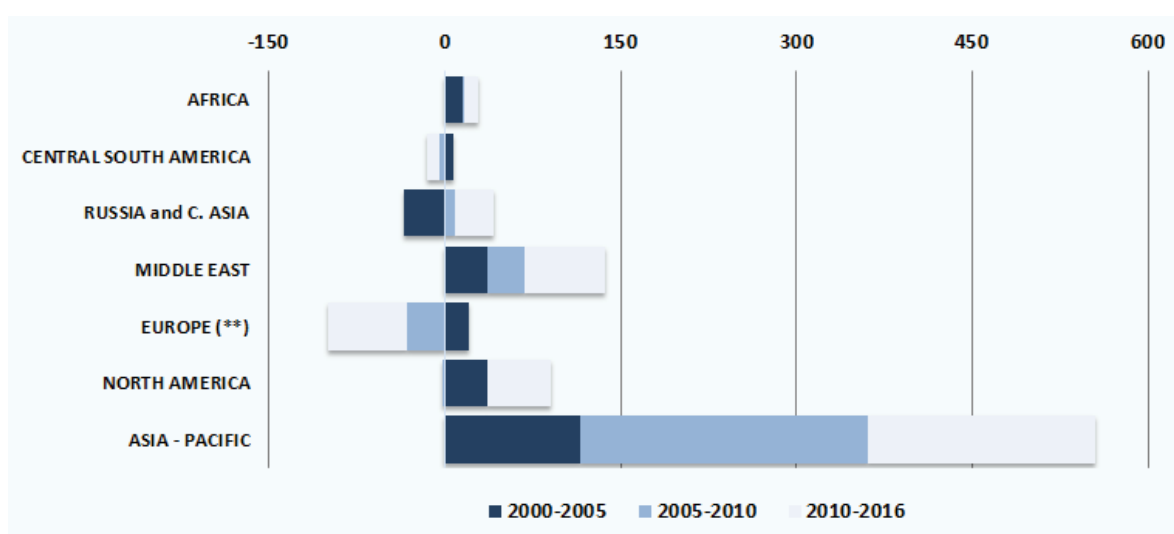
World Primary Capacity (2016)

4,882 million tons



World Primary Capacity Growth (2000-2016)

729 million tons



(*) Data source: Eni's calculations on Icis Consulting data.

(**) Belarus and Ukraine aren't included in Europe but in Russia and Central Asia.

2010						2016						
Refineries (no.)	Primary Capacity (mmt/yr)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmt/yr)	Complexity Ratio		Refineries (no.)	Primary Capacity (mmt/yr)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmt/yr)	Complexity Ratio		
				FCC eqv. (%)	NCI					FCC eqv. (%)	NCI	
129	841	16,817	309	37	8.9	115	772	15,453	318	41	9.2	Europe ⁽¹⁾
66	579	7,619	66	18	6.9	71	612	8,310	89	23	7.4	Russia and Central Asia
57	394	8,006	79	20	6.0	57	461	9,566	135	29	7.1	Middle East
46	159	3,191	27	17	5.7	49	170	3,421	31	18	5.8	Africa
270	1,477	29,630	794	54	8.3	277	1,671	33,569	1,083	65	9.4	Asia-Pacific
242	1,353	27,075	873	65	10.5	239	1,595	27,947	931	67	10.7	Americas
167	1,033	20,676	721	70	11.5	164	1,086	21,762	774	71	11.6	North America
75	319	6,399	153	48	7.4	75	309	6,185	157	51	7.8	Central South America
810	4,602	92,338	2,149	47	8.7	808	4,882	98,066	2,586	53	9.3	World

2016 Complexity ratio (FCC eqv. %)



Primary Capacity by Cluster of Companies (*)

2000

World: 4,153 million tons



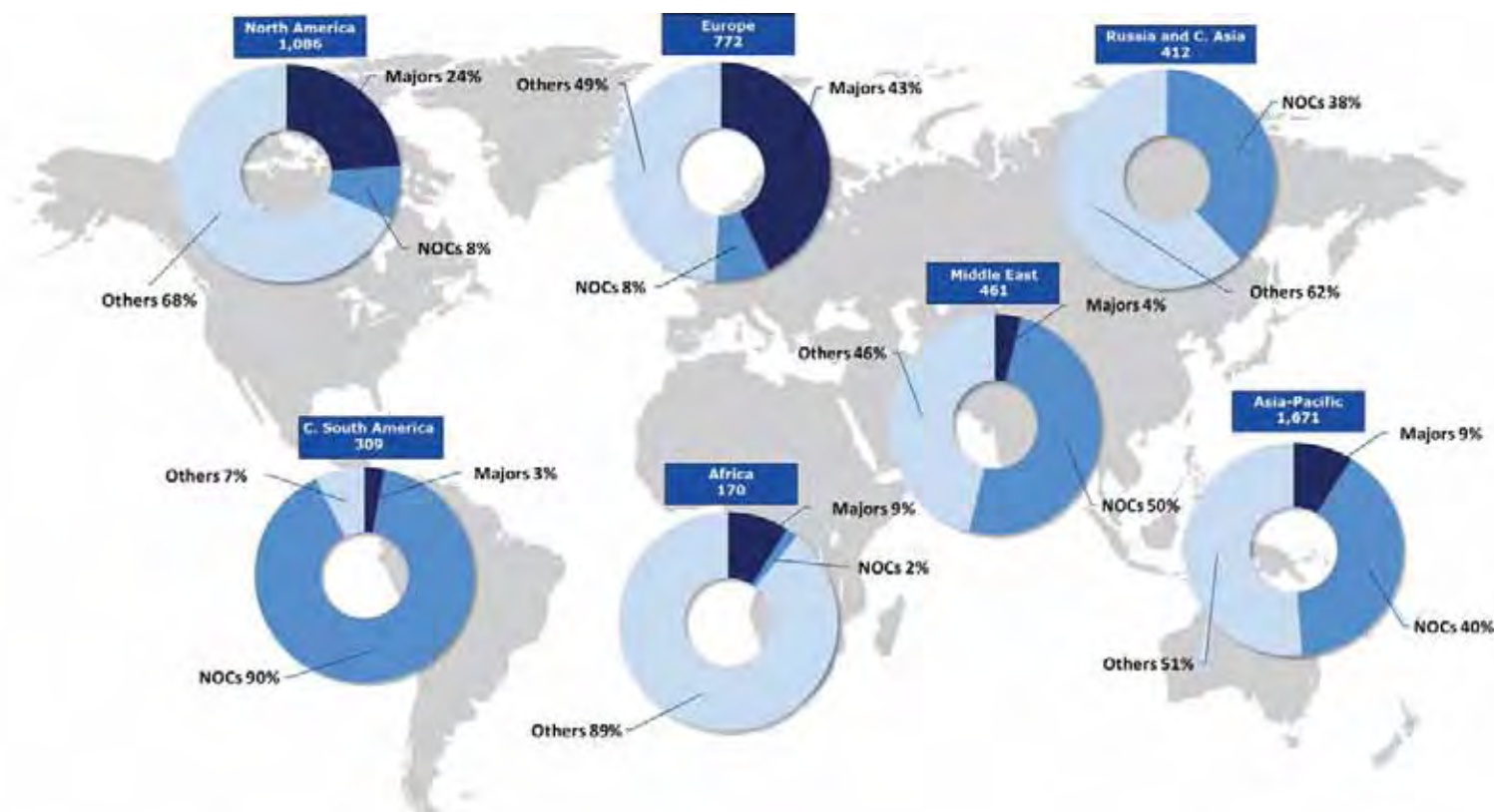
2016

World: 4,882 million tons



2016

(million tons)



(*) Majors: ExxonMobil, BP, Shell, Chevron, Total, Eni, Statoil.

NOCs: CNOOC, Gazprom, Indian Oil Corporation, KNOC, Kuwait Petroleum Corp, Lukoil, Mitsui, NIORDC, ONGC, PdVSA, Pemex, Pertamina, Petrobras, PetroChina, Petronas, PTT, Reliance, Rosneft, Saudi Aramco, Sinopec.



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