

O&G R

World Oil, Gas and Renewables
Review 2020

World Oil, Gas and Renewables Review 2020

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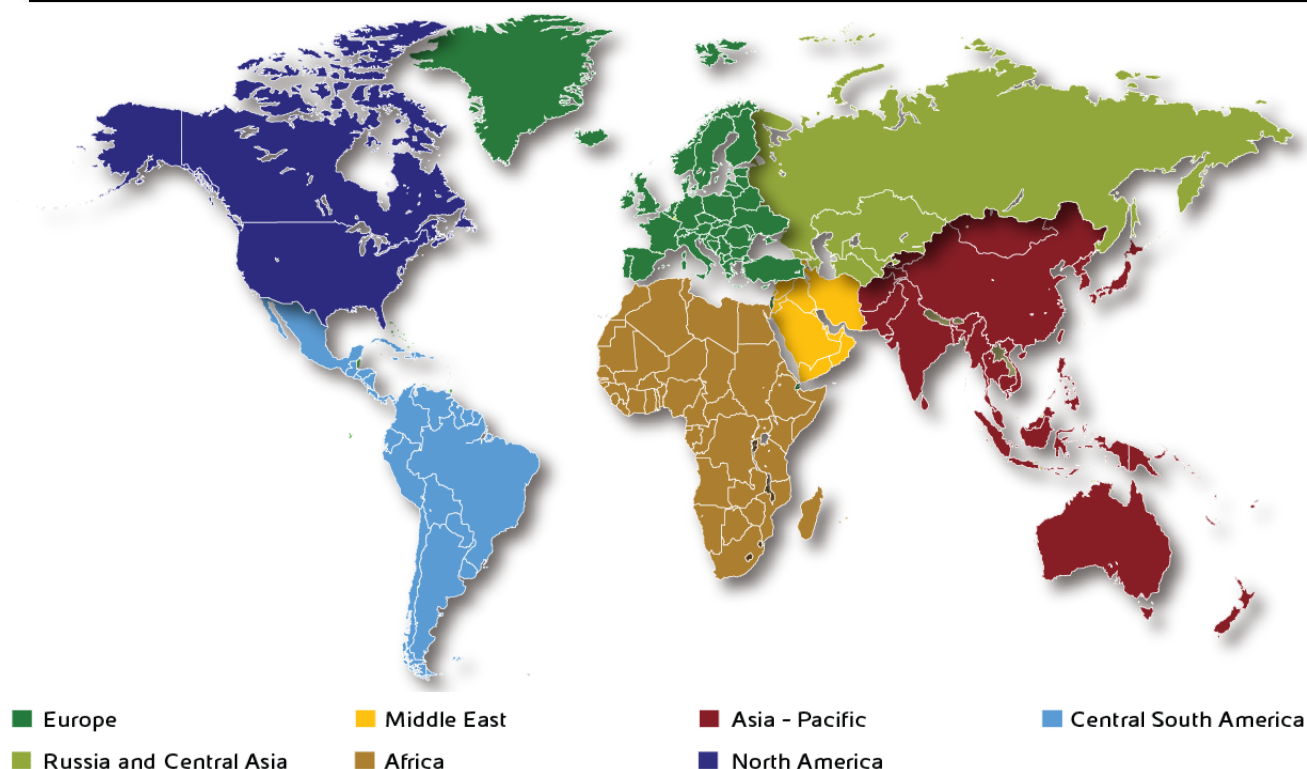
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List of Countries:

- **Europe:** Albania, Austria, Belarus, Belgium, Bosnia Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Gibraltar, Greece, Hungary, Iceland, Ireland, Italy, Kosovo, 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, Sierra Leone, Somalia, South Africa, South Sudan, 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 and 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, Guyana, Haiti, Honduras, Jamaica, Mexico, 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, Latvia, Lithuania, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, Turkey, United Kingdom and United States.
- **OPEC:** Algeria, Angola, Congo, Ecuador, Equatorial Guinea, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, 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 and 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, Positioning and Medium-Long Term Plan Department.

Notes and Methods

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

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.

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"** where "zero" is used for both not available and not significant figures). Total may differ from the sum of the individual figures as a result of rounding up/down. Percentages have been calculated before rounding.

In some chapters, data for Sudan also include South Sudan data.

Supply and Demand

Trade and Prices

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 downstream laboratories" 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 Ratio - 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			Conversion type		
Alkylation	0.00	10.00	Hydrodesulf-diesel	0.00	2.50
Alkylation-hydrofluoric	0.00	10.00	Hydrodesulf-gasoline	0.00	2.50
Alkylation-sulfonic	0.00	10.00	Hydrodesulf-kero	0.00	2.50
Asphalt	0.25	1.50	Hydrodesulf-mid-distillates	0.00	2.50
Coking-delayed	1.35	6.00	Hydrodesulf-naphta	0.00	2.50
Coking-f/d	1.35	6.00	Hydrodesulf-residue	0.20	2.50
Coking-fluid	1.35	6.00	Hydrodesulf-gvgo	0.05	2.50
Coking-fxc	1.35	6.00	Isomerization-c4	0.00	15.00
Condensate distillation	0.00	1.00	Isomerization-ln	0.00	15.00
Crude	0.00	1.00	Lube	0.50	60.00
Deasphalting	0.00	1.50	Polymerization	0.00	10.00
Deasphalting-c3	0.00	1.50	Reforming-aromax	0.00	5.00
Deasphalting-c4	0.00	1.50	Reforming-btx	0.00	5.00
Deep catcracking	1.10	6.00	Reforming-cc	0.00	5.00
Distillate dewaxing	0.10	85.00	Reforming-cyclic	0.00	5.00
Fluid cat-cracking	1.00	6.00	Reforming-lpg feed	0.00	5.00
Fluid catcracking-residue	1.90	6.00	Reforming-sr	0.00	5.00
Heavy residual gasification	1.30	12.00	Thermal cat-cracking	0.80	2.75
Hydrocracking-distillates	1.30	6.00	Thermal cracking	0.65	2.75
Hydrocracking-mild	0.30	6.00	Vacuum	0.00	2.00
Hydrocracking-residue	0.40	6.00	Visbreaking	0.25	2.75

Natural Gas

Renewables

The sources of the data are: Cedigaz, DECC, EIA DOE, Enerdata, International Energy Agency (IEA), International Renewable Energy Agency (IRENA), IHS Global Insight, Italian Ministry for Economic Development, Norwegian Petroleum Directorate, Oil & Gas Journal, OPEC, 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 two chapters **"Imports by Country of Origin"** and **"LNG Liquefaction and Regasification Capacity"** in the section "Natural Gas" and for the whole section "Renewables").

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

Percentages have been calculated before rounding.

In some chapters, data for Sudan also include South Sudan data.

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

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

In the chapters **"Production"**, **"Consumption"**, **"Exports"** and **"Imports"** of natural gas, figures are assessed by using the same calorific value per cubic metre (40 MJ/cm, GCV), in order to make data among countries comparable.

In the chapter **"Production"** of natural gas, the figures concern traded production and do not include quantities of flared, dispersed or re-injected gas.

In the chapter **"Imports"** of natural gas, the figure reported as total imports for a single country may differ from the sum of "Imports by LNG and pipeline" for the same country, because of the different sources and different calorific attached to the cubic metre. The imports of liquefied natural gas cover only the dry marketable equivalent after regasification.

In all the chapters, the list of the "The world top 10 or 5..." 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"** of natural gas, 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"** of natural gas, 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.

Oil - Supply and Demand

Reserves

Production

Reserves/Production Ratio

Consumption

Per Capita Consumption

Production/Consumption Ratio

Areas and Aggregates^(*)

(million barrels as at 31st December)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	21,348	18,105	14,658	14,869	14,165	14,589	15,475	15,379	-0.6%	-1.7%
Russia and Central Asia	56,384	77,228	98,320	118,333	118,329	118,301	118,301	118,301	0.0%	4.0%
Middle East	692,991	751,691	794,654	802,913	807,790	804,658	803,220	847,775	5.5%	1.1%
Africa	93,161	111,540	124,832	121,990	122,260	120,865	119,910	119,451	-0.4%	1.3%
Asia - Pacific	38,876	42,850	48,617	50,491	49,446	49,186	49,529	49,671	0.3%	1.3%
Americas	330,973	319,986	539,334	546,637	544,633	552,284	556,544	562,015	1.0%	2.8%
- North America	205,021	203,063	200,029	206,742	205,741	214,637	217,821	224,273	3.0%	0.5%
- Central South America	125,953	116,923	339,305	339,894	338,891	337,647	338,723	337,741	-0.3%	5.3%
World	1,233,734	1,321,400	1,620,416	1,655,233	1,656,623	1,659,882	1,662,980	1,712,592	3.0%	1.7%
European Union	8,775	7,237	6,212	5,716	5,321	5,261	5,444	5,448	0.1%	-2.5%
MENA	744,359	809,706	858,877	867,376	872,163	868,972	867,284	911,839	5.1%	1.1%
OECD	257,747	236,602	230,685	233,493	230,839	239,437	242,810	248,487	2.3%	-0.2%
NON OECD	975,986	1,084,798	1,389,731	1,421,740	1,425,784	1,420,445	1,420,170	1,464,105	3.1%	2.2%
OPEC	837,666	904,434	1,172,650	1,187,658	1,194,236	1,190,565	1,189,419	1,233,534	3.7%	2.1%
NON OPEC	396,068	416,966	447,766	467,575	462,388	469,317	473,561	479,058	1.2%	1.0%

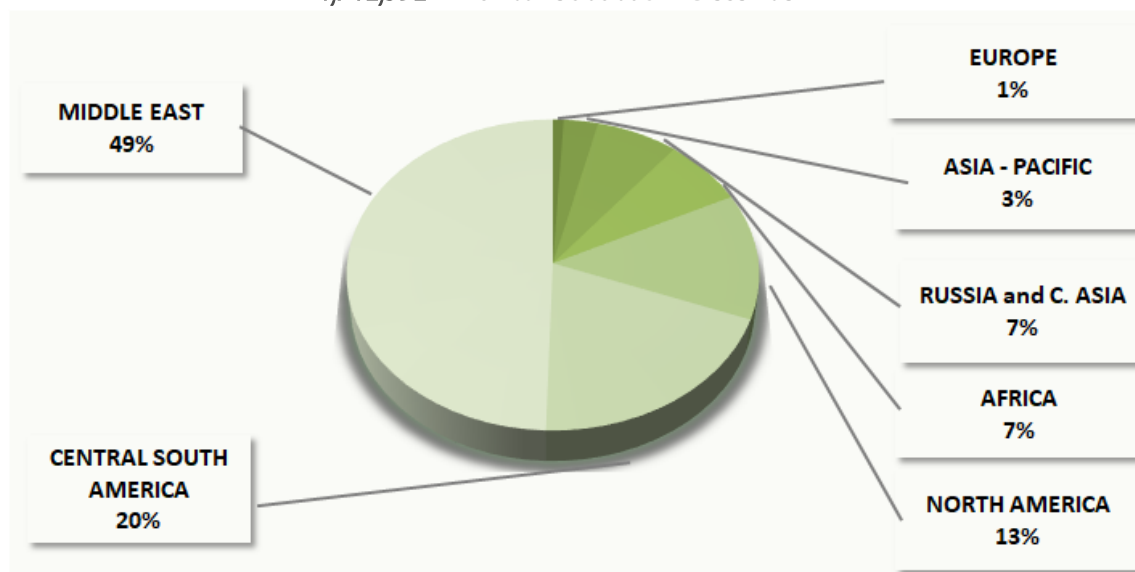
The World Top 10 Reserves Holders^(*)

(million barrels as at 31st December)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Venezuela	76,848	80,012	296,501	300,878	302,250	302,809	303,806	303,806	0.0%	7.5%
Saudi Arabia	262,766	264,211	264,516	266,455	266,208	266,260	267,026	258,600	-3.2%	-0.1%
Iran	99,530	136,270	151,170	158,400	157,200	155,600	155,600	208,600	34.1%	4.0%
Canada	181,504	180,044	174,848	171,512	170,528	172,647	170,768	169,692	-0.6%	-0.4%
Iraq	112,500	115,000	143,100	142,503	148,766	147,223	145,019	145,019	0.0%	1.3%
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	80,000	80,000	80,000	80,000	80,000	0.0%	2.7%
United States	23,517	23,019	25,181	35,230	35,213	41,990	47,053	54,581	16.0%	4.5%
Libya	36,000	41,464	47,097	48,363	48,363	48,363	48,363	48,363	0.0%	1.6%
The World Top 10	1,035,538	1,099,320	1,361,713	1,402,641	1,407,828	1,414,192	1,416,935	1,467,961	3.6%	1.9%
Rest of the world	198,196	222,080	258,703	252,591	248,795	245,691	246,045	244,631	-0.6%	1.1%
World	1,233,734	1,321,400	1,620,416	1,655,233	1,656,623	1,659,882	1,662,980	1,712,592	3.0%	1.7%

World Oil Reserves (2019)

1,712,592 million barrels as at 31st December



^(*) 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	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	21,348	18,105	14,658	14,869	14,165	14,589	15,475	15,379	-0.6%	-1.7%
Albania	176	200	289	319	310	246	246	219	-10.9%	1.2%
Austria	92	63	73	80	78	62	62	60	-2.6%	-2.2%
Belarus	211	200	287	317	308	244	244	244	0.0%	0.8%
Bulgaria	16	16	16	16	16	16	16	16	0.0%	0.0%
Croatia	98	70	106	117	114	90	90	90	0.0%	-0.4%
Czech Republic	16	15	22	24	23	19	19	19	0.0%	0.8%
Denmark	1,113	1,277	899	491	440	440	440	454	3.0%	-4.6%
France	155	159	147	162	157	125	125	113	-9.5%	-1.6%
Germany	405	370	400	442	430	341	341	308	-9.6%	-1.4%
Greece	11	7	15	16	16	12	12	12	0.0%	0.8%
Hungary	117	104	39	43	42	33	33	30	-10.3%	-6.9%
Italy (**)	577	443	559	595	521	571	554	532	-3.9%	-0.4%
Lithuania	13	12	17	19	19	15	15	15	0.0%	0.8%
Netherlands	114	107	145	160	156	123	123	190	54.2%	2.7%
Norway	11,366	9,688	6,804	7,340	7,082	7,931	8,635	8,519	-1.3%	-1.5%
Poland	123	97	139	154	149	118	118	114	-4.0%	-0.4%
Romania	1,170	458	600	600	600	600	600	600	0.0%	-3.5%
Serbia	83	79	113	125	121	96	96	96	0.0%	0.8%
Slovakia	10	9	13	14	14	11	11	11	0.0%	0.8%
Spain	22	159	218	240	234	185	185	185	0.0%	11.8%
Turkey	315	303	380	420	408	323	323	365	13.0%	0.8%
Ukraine	421	399	573	633	615	487	487	487	0.0%	0.8%
United Kingdom	4,725	3,870	2,805	2,542	2,313	2,500	2,700	2,700	0.0%	-2.9%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	56,384	77,228	98,320	118,333	118,329	118,301	118,301	118,301	0.0%	4.0%
Russia	48,573	60,000	60,000	80,000	80,000	80,000	80,000	80,000	0.0%	2.7%
Azerbaijan	1,178	7,000	7,000	7,000	7,000	7,000	7,000	7,000	0.0%	9.8%
Georgia	37	35	51	56	54	43	43	43	0.0%	0.8%
Kazakhstan	5,400	9,000	30,000	30,000	30,000	30,000	30,000	30,000	0.0%	9.4%
Kyrgyzstan	43	40	58	64	62	49	49	49	0.0%	0.8%
Tajikistan	13	12	17	19	19	15	15	15	0.0%	0.8%
Turkmenistan	546	546	600	600	600	600	600	600	0.0%	0.5%
Uzbekistan	594	594	594	594	594	594	594	594	0.0%	0.0%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East	692,991	751,691	794,654	802,913	807,790	804,658	803,220	847,775	5.5%	1.1%
Bahrain	160	126	181	200	195	154	154	135	-12.4%	-0.9%
Iran	99,530	136,270	151,170	158,400	157,200	155,600	155,600	208,600	34.1%	4.0%
Iraq	112,500	115,000	143,100	142,503	148,766	147,223	145,019	145,019	0.0%	1.3%
Israel	4	2	3	3	3	2	2	2	0.0%	-2.8%
Jordan	1	1	1	2	2	1	1	1	0.0%	1.3%
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	5,306	5,373	5,373	5,373	5,373	0.0%	-0.4%
Qatar	13,157	25,288	25,382	25,244	25,244	25,244	25,244	25,244	0.0%	3.5%
Saudi Arabia	262,766	264,211	264,516	266,455	266,208	266,260	267,026	258,600	-3.2%	-0.1%
Syria	2,325	3,000	2,500	2,500	2,500	2,500	2,500	2,500	0.0%	0.4%
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%	1.2%

(*) Data source: Eni's estimates on Enerdata *Global 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	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa	93,161	111,540	124,832	121,990	122,260	120,865	119,910	119,451	-0.4%	1.3%
Algeria	11,314	12,270	12,200	12,200	12,200	12,200	12,200	12,200	0.0%	0.4%
Angola	5,972	9,050	9,055	9,524	9,523	8,384	8,160	7,783	-4.6%	1.4%
Benin	9	8	12	13	12	10	10	10	0.0%	0.8%
Cameroon	426	404	290	320	311	247	247	247	0.0%	-2.8%
Chad	900	1,500	1,500	1,500	1,500	1,500	1,500	1,500	0.0%	2.7%
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	145	160	156	123	123	123	0.0%	0.8%
Dem. Rep. Congo	199	189	261	288	280	222	222	222	0.0%	0.6%
Egypt	3,627	3,720	4,500	3,473	3,384	3,325	3,075	3,075	0.0%	-0.9%
Equatorial Guinea	800	1,805	1,705	1,100	1,100	1,100	1,100	1,100	0.0%	1.7%
Gabon	2,420	2,146	2,000	2,000	2,000	2,000	2,000	2,000	0.0%	-1.0%
Ghana	18	17	677	684	681	681	681	681	0.0%	21.0%
Libya	36,000	41,464	47,097	48,363	48,363	48,363	48,363	48,363	0.0%	1.6%
Mauritania	0	0	145	160	156	123	123	123	0.0%	
Morocco	2	1	1	2	2	1	1	1	0.0%	-2.8%
Niger	0	0	0	147	147	144	144	144	0.0%	
Nigeria	29,000	36,220	37,200	37,062	37,453	37,453	36,972	36,890	-0.2%	1.3%
Sierra Leone	0	0	0	440	440	440	440	440	0.0%	
South Africa	30	16	22	24	23	19	19	19	0.0%	-2.5%
Sudan	262	563	5,000	1,500	1,500	1,500	1,500	1,500	0.0%	9.6%
Tunisia	425	560	425	425	425	425	425	425	0.0%	0.0%
Uganda	0	0	997	1,004	1,004	1,004	1,004	1,004	0.0%	
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific	38,876	42,850	48,617	50,491	49,446	49,186	49,529	49,671	0.3%	1.3%
Australia	4,944	3,718	3,831	3,985	3,985	3,995	3,995	3,995	0.0%	-1.1%
Bangladesh	61	28	41	45	44	35	35	35	0.0%	-2.9%
Brunei	1,230	1,105	1,100	1,100	1,100	1,100	1,100	1,100	0.0%	-0.6%
China	15,190	18,175	23,173	25,522	25,559	25,842	26,190	26,190	0.0%	2.9%
India	5,290	5,919	4,818	4,535	4,409	4,339	4,518	4,704	4.1%	-0.6%
Indonesia	5,123	4,188	3,990	3,230	3,230	3,310	3,170	3,150	-0.6%	-2.5%
Japan	63	60	64	70	68	54	54	54	0.0%	-0.8%
Malaysia	3,390	5,290	5,799	5,907	5,030	4,727	4,727	4,727	0.0%	1.8%
Mongolia	15	15	15	257	257	257	257	257	0.0%	16.3%
Myanmar	53	50	73	80	78	62	62	62	0.0%	0.8%
New Zealand	135	53	87	96	93	74	61	54	-10.8%	-4.7%
Pakistan	222	292	454	501	487	386	386	377	-2.3%	2.8%
Papua New Guinea	384	242	128	141	137	109	109	100	-7.7%	-6.8%
Philippines	308	140	202	223	216	172	172	172	0.0%	-3.0%
Taiwan	4	2	3	3	3	2	2	2	0.0%	-2.8%
Thailand	515	453	442	396	349	323	293	293	0.0%	-2.9%
Vietnam	1,950	3,119	4,400	4,400	4,400	4,400	4,400	4,400	0.0%	4.4%
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas	330,973	319,986	539,334	546,637	544,633	552,284	556,544	562,015	1.0%	2.8%
Argentina	2,974	2,180	2,524	2,395	2,162	2,017	2,387	2,387	0.0%	-1.2%
Barbados	3	3	3	3	3	2	2	2	-9.9%	-1.9%
Belize	0	0	10	11	11	9	9	9	0.0%	
Bolivia	423	445	675	745	724	574	574	654	13.9%	2.3%
Brazil	8,465	11,773	13,987	13,034	12,666	12,835	13,239	12,713	-4.0%	2.2%
Canada	181,504	180,044	174,848	171,512	170,528	172,647	170,768	169,692	-0.6%	-0.4%
Chile	160	151	218	240	234	185	185	185	0.0%	0.8%
Colombia	1,972	1,453	1,900	2,308	2,002	1,665	1,782	1,960	10.0%	0.0%
Cuba	302	757	180	199	193	153	153	153	0.0%	-3.5%
Ecuador	4,566	5,180	7,206	8,273	8,273	8,273	8,273	8,273	0.0%	3.2%
Guatemala	145	93	120	133	129	102	102	100	-2.4%	-1.9%
Mexico	28,260	12,882	13,796	9,632	8,652	7,695	7,010	6,311	-10.0%	-7.6%
Peru	906	1,078	1,240	1,187	1,225	985	859	859	0.0%	-0.3%
Suriname	79	112	116	128	125	99	99	87	-11.8%	0.5%
Trinidad and Tobago	851	803	830	728	243	243	243	243	0.0%	-6.4%
United States	23,517	23,019	25,181	35,230	35,213	41,990	47,053	54,581	16.0%	4.5%
Venezuela	76,848	80,012	296,501	300,878	302,250	302,809	303,806	303,806	0.0%	7.5%

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

Areas and Aggregates^(*)

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

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	7,102	5,894	4,410	3,718	3,743	3,697	3,665	3,554	-3.0%	-3.6%
Russia and Central Asia	7,854	11,699	13,414	13,949	14,119	14,224	14,477	14,544	0.5%	3.3%
Middle East	23,512	25,562	25,367	29,801	31,548	31,143	31,748	30,276	-4.6%	1.3%
Africa	7,813	9,906	10,243	8,338	7,788	8,189	8,280	8,444	2.0%	0.4%
Asia - Pacific	7,833	7,972	8,363	8,290	7,966	7,740	7,590	7,587	0.0%	-0.2%
Americas	20,995	21,105	21,527	27,968	27,084	27,750	29,609	30,955	4.5%	2.1%
- North America	10,727	10,202	11,216	17,552	17,116	18,279	20,945	22,759	8.7%	4.0%
- Central South America	10,268	10,903	10,311	10,416	9,968	9,471	8,664	8,196	-5.4%	-1.2%
World	75,109	82,138	83,324	92,064	92,248	92,743	95,369	95,360	0.0%	1.3%
European Union	3,573	2,735	2,080	1,590	1,577	1,561	1,641	1,639	-0.1%	-4.0%
MENA	27,208	29,937	29,532	32,580	34,295	34,235	34,982	33,597	-4.0%	1.1%
OECD	21,862	20,181	18,994	24,097	23,539	24,398	26,894	28,532	6.1%	1.4%
NON OECD	53,247	61,957	64,330	67,967	68,709	68,345	68,475	66,828	-2.4%	1.2%
OPEC	30,594	34,469	33,777	36,602	37,671	37,401	37,383	35,516	-5.0%	0.8%
NON OPEC	44,515	47,669	49,547	55,462	54,577	55,342	57,986	59,844	3.2%	1.6%

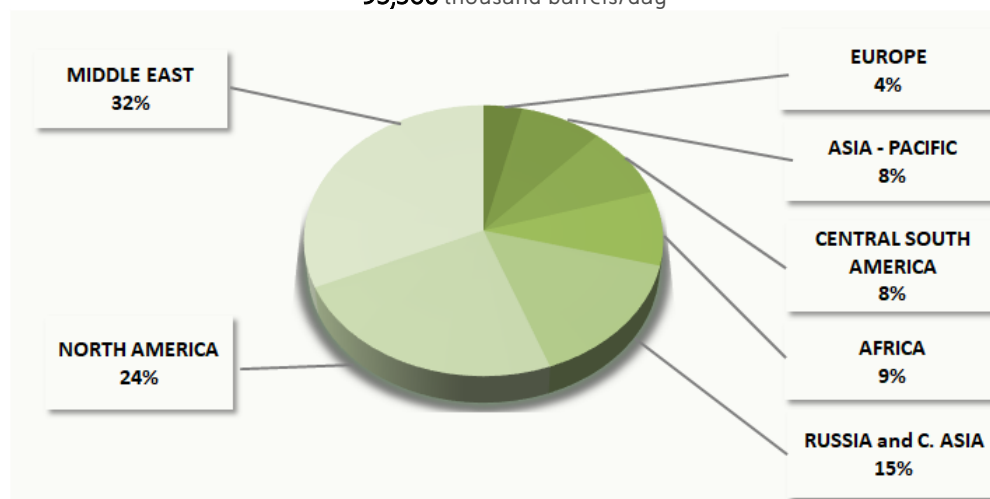
The World Top 10 Producers^(**)

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

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
United States	8,005	7,077	7,758	13,016	12,501	13,289	15,537	17,211	10.8%	4.1%
Saudi Arabia	9,349	10,927	9,971	12,045	12,344	11,876	12,345	11,828	-4.2%	1.2%
Russia	6,527	9,636	10,390	11,084	11,328	11,321	11,494	11,582	0.8%	3.1%
Canada	2,722	3,125	3,458	4,536	4,615	4,990	5,408	5,548	2.6%	3.8%
Iraq	2,582	1,833	2,430	4,078	4,503	4,563	4,663	4,812	3.2%	3.3%
United Arab Emirates	2,622	2,994	2,831	3,762	3,848	3,740	3,801	4,009	5.5%	2.3%
China	3,217	3,597	4,031	4,271	3,955	3,860	3,811	3,881	1.8%	1.0%
Iran	3,760	4,200	4,215	3,593	4,422	4,762	4,632	3,397	-26.7%	-0.5%
Kuwait	2,161	2,548	2,498	3,097	3,194	3,014	3,050	2,987	-2.1%	1.7%
Brazil	1,268	1,708	2,152	2,547	2,628	2,755	2,713	2,897	6.8%	4.4%
The World Top 10	42,212	47,645	49,734	62,029	63,338	64,170	67,454	68,152	1.0%	2.6%
Rest of the World	32,897	34,493	33,590	30,035	28,910	28,573	27,915	27,208	-2.5%	-1.0%
World	75,109	82,138	83,324	92,064	92,248	92,743	95,369	95,360	0.0%	1.3%

World Oil Production (2019)

95,360 thousand barrels/day



(*) Data source: Eni's calculations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: IEA (2020) *Monthly Oil Data Services*. All rights reserved.

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

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	7,102	5,894	4,410	3,718	3,743	3,697	3,665	3,554	-3.0%	-3.6%
Albania	6	8	13	23	19	17	16	14	-12.5%	4.6%
Austria	20	19	21	17	15	14	13	13	0.0%	-2.2%
Belarus	37	36	34	33	33	32	34	34	0.0%	-0.4%
Bulgaria	1	1	1	1	1	1	1	1	0.0%	0.0%
Croatia	28	21	18	14	15	15	15	15	0.0%	-3.2%
Czech Republic	8	6	5	7	5	7	6	6	0.0%	-1.5%
Denmark	363	388	255	159	142	140	117	104	-11.1%	-6.4%
Estonia	5	5	10	16	14	18	22	23	4.5%	8.4%
France	44	25	42	31	39	36	21	30	42.9%	-2.0%
Germany	86	78	76	67	68	67	67	61	-9.0%	-1.8%
Greece	6	2	2	1	3	3	4	3	-25.0%	-3.6%
Hungary	39	32	25	18	21	22	23	23	0.0%	-2.7%
Italy	78	121	97	131	96	97	110	89	-19.1%	0.7%
Netherlands	49	47	33	36	24	24	23	18	-21.7%	-5.1%
Norway	3,331	2,962	2,138	1,948	1,995	1,969	1,850	1,737	-6.1%	-3.4%
Poland	15	25	24	28	22	24	32	31	-3.1%	3.9%
Portugal	0	0	1	0	1	1	0	1		
Romania	131	113	89	82	78	75	74	72	-2.7%	-3.1%
Serbia	20	13	18	22	20	20	18	17	-5.6%	-0.9%
Slovakia	1	4	4	5	4	6	3	3	0.0%	6.0%
Spain	5	3	12	5	3	2	2	1	-50.0%	-8.1%
Turkey	53	43	48	48	49	49	55	58	5.5%	0.5%
Ukraine	82	97	79	54	50	49	51	55	7.8%	-2.1%
United Kingdom	2,694	1,845	1,365	972	1,026	1,009	1,108	1,145	3.3%	-4.4%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	7,854	11,699	13,414	13,949	14,119	14,224	14,477	14,544	0.5%	3.3%
Russia	6,527	9,636	10,390	11,084	11,328	11,321	11,494	11,582	0.8%	3.1%
Azerbaijan	282	449	1,042	849	829	784	793	765	-3.5%	5.4%
Georgia	2	1	1	1	0	0	0	0		-100.0%
Kazakhstan	733	1,293	1,694	1,694	1,666	1,840	1,927	1,933	0.3%	5.2%
Kyrgyzstan	2	2	1	1	1	1	1	1	0.0%	-3.6%
Turkmenistan	158	210	211	268	247	232	219	223	1.8%	1.8%
Uzbekistan	150	108	75	52	48	46	43	40	-7.0%	-6.7%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East	23,512	25,562	25,367	29,801	31,548	31,143	31,748	30,276	-4.6%	1.3%
Bahrain	198	198	192	213	213	210	208	208	0.0%	0.3%
Iran	3,760	4,200	4,215	3,593	4,422	4,762	4,632	3,397	-26.7%	-0.5%
Iraq	2,582	1,833	2,430	4,078	4,503	4,563	4,663	4,812	3.2%	3.3%
Kuwait	2,161	2,548	2,498	3,097	3,194	3,014	3,050	2,987	-2.1%	1.7%
Oman	958	777	871	988	1,012	978	986	979	-0.7%	0.1%
Qatar	860	1,216	1,668	1,966	1,971	1,931	1,969	1,962	-0.4%	4.4%
Saudi Arabia	9,349	10,927	9,971	12,045	12,344	11,876	12,345	11,828	-4.2%	1.2%
Syria	573	448	385	27	25	25	24	24	0.0%	-15.4%
United Arab Emirates	2,622	2,994	2,831	3,762	3,848	3,740	3,801	4,009	5.5%	2.3%
Yemen	450	421	306	32	16	44	70	70	0.0%	-9.3%

^(*) Data source: IEA (2020) *Monthly Oil Data Services*. All rights reserved.

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

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa	7,813	9,906	10,243	8,338	7,788	8,189	8,280	8,444	2.0%	0.4%
Algeria	1,436	1,931	1,720	1,590	1,604	1,530	1,512	1,490	-1.5%	0.2%
Angola	745	1,245	1,800	1,796	1,743	1,701	1,543	1,449	-6.1%	3.6%
Cameroon	114	89	64	93	92	75	67	64	-4.5%	-3.0%
Chad	0	170	120	139	129	112	128	148	15.6%	
Congo	265	247	313	234	217	266	331	339	2.4%	1.3%
Côte d'Ivoire	7	40	39	26	32	40	41	48	17.1%	10.7%
Dem. Rep. Congo	23	25	25	22	21	20	19	18	-5.3%	-1.3%
Egypt	711	649	701	697	665	640	650	632	-2.8%	-0.6%
Equatorial Guinea	144	380	311	276	231	212	208	196	-5.8%	1.6%
Gabon	276	270	249	230	227	200	190	212	11.6%	-1.4%
Ghana	7	6	7	106	92	167	190	199	4.7%	19.3%
Libya	1,471	1,721	1,661	437	426	877	1,029	1,159	12.6%	-1.2%
Mauritania	0	0	9	5	4	3	0	0		
Morocco	0	1	0	0	0	0	0	0		
Niger	0	0	0	15	16	15	15	14	-6.7%	
Nigeria	2,160	2,546	2,535	2,258	1,936	1,996	2,022	2,127	5.2%	-0.1%
South Africa	199	208	141	106	103	101	93	97	4.3%	-3.7%
South Sudan	0	0	0	148	117	122	128	139	8.6%	
Sudan	177	305	465	105	81	67	71	73	2.8%	-4.6%
Tunisia	78	73	83	55	52	45	43	40	-7.0%	-3.5%
Asia - Pacific	7,833	7,972	8,363	8,290	7,966	7,740	7,590	7,587	0.0%	-0.2%
Australia	802	545	549	371	345	315	342	418	22.2%	-3.4%
Bangladesh	4	6	5	4	4	4	3	3	0.0%	-1.5%
Brunei	195	206	169	127	121	113	111	121	9.0%	-2.5%
China	3,217	3,597	4,031	4,271	3,955	3,860	3,811	3,881	1.8%	1.0%
East Timor	0	100	88	60	49	40	33	28	-15.2%	
India	770	778	880	872	852	859	843	800	-5.1%	0.2%
Indonesia	1,447	1,086	991	817	866	831	798	763	-4.4%	-3.3%
Japan	17	19	18	12	11	12	10	11	10.0%	-2.3%
Malaysia	667	778	717	701	737	729	720	670	-6.9%	0.0%
Mongolia	0	1	6	24	22	20	19	18	-5.3%	
Myanmar	12	22	19	11	12	12	11	11	0.0%	-0.5%
New Zealand	45	24	60	48	41	37	30	30	0.0%	-2.1%
Pakistan	58	66	66	87	88	89	88	86	-2.3%	2.1%
Papua New Guinea	64	54	32	58	56	50	45	51	13.3%	-1.2%
Philippines	1	23	20	16	15	13	13	15	15.4%	15.3%
South Korea	13	10	21	22	24	25	29	28	-3.4%	4.1%
Taiwan	1	1	0	0	0	0	0	0		-100.0%
Thailand	194	284	383	452	462	455	438	427	-2.5%	4.2%
Vietnam	326	372	308	337	306	276	246	226	-8.1%	-1.9%
Americas	20,995	21,105	21,527	27,968	27,084	27,750	29,609	30,955	4.5%	2.1%
Argentina	863	834	712	629	601	572	581	601	3.4%	-1.9%
Barbados	1	1	1	1	1	1	1	1	0.0%	0.0%
Bolivia	39	58	50	75	75	73	71	68	-4.2%	3.0%
Brazil	1,268	1,708	2,152	2,547	2,628	2,755	2,713	2,897	6.8%	4.4%
Canada	2,722	3,125	3,458	4,536	4,615	4,990	5,408	5,548	2.6%	3.8%
Chile	9	8	13	6	5	6	9	12	33.3%	1.5%
Colombia	688	528	788	1,014	906	862	873	893	2.3%	1.4%
Cuba	51	54	56	53	48	44	42	39	-7.1%	-1.4%
Ecuador	404	534	468	541	547	531	523	529	1.1%	1.4%
Guatemala	21	18	12	10	9	8	7	7	0.0%	-5.6%
Guyana	0	0	0	0	0	0	0	1		
Mexico	3,452	3,768	2,959	2,597	2,470	2,236	2,073	1,928	-7.0%	-3.0%
Peru	104	116	156	150	134	133	133	140	5.3%	1.6%
Suriname	10	12	21	19	18	18	17	16	-5.9%	2.5%
Trinidad and Tobago	138	171	148	109	97	99	87	82	-5.7%	-2.7%
United States	8,005	7,077	7,758	13,016	12,501	13,289	15,537	17,211	10.8%	4.1%
Venezuela	3,220	3,093	2,775	2,665	2,429	2,133	1,534	982	-36.0%	-6.1%

(*) Data source: IEA (2020) *Monthly Oil Data Services*. All rights reserved.

The World Top 10 Natural Gas Liquids Producers^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
United States	1,911	1,717	2,074	3,342	3,509	3,783	4,369	4,813	10.2%	5.0%
Saudi Arabia	1,011	1,493	1,710	1,805	1,848	1,838	1,939	1,944	0.3%	3.5%
Iran	75	321	510	747	870	950	1,054	1,037	-1.6%	14.8%
Canada	706	668	608	708	792	839	904	970	7.3%	1.7%
United Arab Emirates	384	536	520	816	798	807	803	832	3.6%	4.2%
Algeria	630	603	515	481	494	483	470	466	-0.9%	-1.6%
Qatar	173	258	339	396	399	436	446	451	1.1%	5.2%
Nigeria	121	141	464	471	455	453	405	381	-5.9%	6.2%
Russia	50	145	251	365	364	341	333	332	-0.3%	10.5%
Kuwait	115	125	200	310	310	307	305	305	0.0%	5.3%
The World Top 10	5,176	6,007	7,191	9,441	9,839	10,237	11,028	11,531	4.6%	4.3%
Rest of the world	1,795	2,237	2,398	2,176	2,191	2,222	2,130	2,068	-2.9%	0.7%
World	6,971	8,244	9,589	11,617	12,030	12,459	13,158	13,599	3.4%	3.6%

^(*) Data source: IEA (2020) *Monthly Oil Data Services*. All rights reserved.

Area and Aggregates^(*)

(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	8	8	9	11	10	11	12	12
Russia and Central Asia	20	18	20	23	23	23	22	22
Middle East	81	81	86	74	70	71	69	77
Africa	33	31	33	40	43	40	40	39
Asia - Pacific	14	15	16	17	17	17	18	18
Americas	43	42	69	54	55	55	51	50
- North America	52	55	49	32	33	32	28	27
- Central South America	34	29	90	89	93	98	107	113
World	45	44	53	49	49	49	48	49
European Union	7	7	8	10	9	9	9	9
MENA	75	74	80	73	70	70	68	74
OECD	32	32	33	27	27	27	25	24
NON OECD	50	48	59	57	57	57	57	60
OPEC	75	72	95	89	87	87	87	95
NON OPEC	24	24	25	23	23	23	22	22

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

(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Iran	73	89	98	121	97	90	92	168
Kuwait	122	109	111	90	87	92	91	93
Canada	183	158	139	104	101	95	87	84
Iraq	119	172	161	96	91	88	85	83
United Arab Emirates	102	89	95	71	70	72	70	67
Saudi Arabia	77	66	73	61	59	61	59	60
Russia	20	17	16	20	19	19	19	19
China	13	14	16	16	18	18	19	18
Brazil	18	19	18	14	13	13	13	12
United States	8	9	9	7	8	9	8	9

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries^(*)
(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	8	8	9	11	10	11	12	12
Albania	80	68	61	38	45	40	42	43
Austria	13	9	9	13	14	12	13	13
Belarus	16	15	23	26	26	21	20	20
Bulgaria	43	43	43	43	43	43	43	43
Croatia	10	9	16	23	21	16	16	16
Czech Republic	5	7	12	9	13	7	8	8
Denmark	8	9	10	8	8	9	10	12
France	10	17	10	14	11	9	16	10
Germany	13	13	14	18	17	14	14	14
Greece	5	10	20	44	14	11	8	11
Hungary	8	9	4	7	5	4	4	4
Italy (**)	20	10	16	12	15	16	14	16
Netherlands	6	6	12	12	18	14	15	29
Norway	9	9	9	10	10	11	13	13
Poland	22	11	16	15	19	14	10	10
Romania	24	11	18	20	21	22	22	23
Serbia	11	17	17	16	17	13	15	16
Slovakia	26	6	9	8	10	5	10	10
Spain	12	146	50	132	213	254	254	507
Turkey	16	19	22	24	23	18	16	17
Ukraine	14	11	20	32	34	27	26	24
United Kingdom	5	6	6	7	6	7	7	6

	2000	2005	2010	2015	2016	2017	2018	2019
Russia and Central Asia	20	18	20	23	23	23	22	22
Russia	20	17	16	20	19	19	19	19
Azerbaijan	11	43	18	23	23	24	24	25
Georgia	51	97	139	154				
Kazakhstan	20	19	49	49	49	45	43	43
Kyrgyzstan	58	55	159	176	171	135	135	135
Tajikistan								
Turkmenistan	9	7	8	6	7	7	8	7
Uzbekistan	11	15	22	31	34	35	38	41

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Countries^(*)

(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Middle East	81	81	86	74	70	71	69	77
Bahrain	2	2	3	3	3	2	2	2
Iran	73	89	98	121	97	90	92	168
Iraq	119	172	161	96	91	88	85	83
Kuwait	122	109	111	90	87	92	91	93
Oman	17	20	17	15	15	15	15	15
Qatar	42	57	42	35	35	36	35	35
Saudi Arabia	77	66	73	61	59	61	59	60
Syria	11	18	18	254	274	274	285	285
United Arab Emirates	102	89	95	71	70	72	70	67
Yemen	15	19	27	257	514	187	117	117

	2000	2005	2010	2015	2016	2017	2018	2019
Africa	33	31	33	40	43	40	40	39
Algeria	22	17	19	21	21	22	22	22
Angola	22	20	14	15	15	14	14	15
Cameroon	10	12	12	9	9	9	10	11
Chad		24	34	30	32	37	32	28
Congo	17	17	14	19	20	16	13	13
Côte d'Ivoire	42	7	10	17	13	8	8	7
Dem. Rep. Congo	24	21	29	36	37	30	32	34
Egypt	14	16	18	14	14	14	13	13
Equatorial Guinea	15	13	15	11	13	14	14	15
Gabon	24	22	22	24	24	27	29	26
Ghana	7	8	265	18	20	11	10	9
Libya	67	66	78	303	311	151	129	114
Mauritania			44	88	107	113		
Morocco		3						
Niger				27	25	26	26	28
Nigeria	37	39	40	45	53	51	50	48
Sudan	4	5	29	39	51	61	58	56
Tunisia	15	21	14	21	22	26	27	29

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Countries^(*)
(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Asia - Pacific	14	15	16	17	17	17	18	18
Australia	17	19	19	29	32	35	32	26
Bangladesh	42	13	22	31	30	24	32	32
Brunei	17	15	18	24	25	27	27	25
China	13	14	16	16	18	18	19	18
India	19	21	15	14	14	14	15	16
Indonesia	10	11	11	11	10	11	11	11
Japan	10	9	10	16	17	12	15	14
Malaysia	14	19	22	23	19	18	18	19
Mongolia		40	7	29	32	35	37	39
Myanmar	12	6	10	20	18	14	15	15
New Zealand	8	6	4	5	6	5	6	5
Pakistan	10	12	19	16	15	12	12	12
Papua New Guinea	16	12	11	7	7	6	7	5
Philippines		17	28	38	40	36	36	31
Taiwan	12	7						
Thailand	7	4	3	2	2	2	2	2
Vietnam	16	23	39	36	39	44	49	53

	2000	2005	2010	2015	2016	2017	2018	2019
Americas	43	42	69	54	55	55	51	50
Argentina	9	7	10	10	10	10	11	11
Barbados	9	8	8	9	9	7	7	6
Bolivia	30	21	37	27	26	22	22	26
Brazil	18	19	18	14	13	13	13	12
Canada	183	158	139	104	101	95	87	84
Chile	49	52	46	110	128	85	56	42
Colombia	8	8	7	6	6	5	6	6
Cuba	16	38	9	10	11	10	10	11
Ecuador	31	27	42	42	41	43	43	43
Guatemala	19	14	27	36	39	35	40	39
Mexico	22	9	13	10	10	9	9	9
Peru	24	25	22	22	25	20	18	17
Suriname	22	26	15	18	19	15	16	15
Trinidad and Tobago	17	13	15	18	7	7	8	8
United States	8	9	9	7	8	9	8	9
Venezuela	65	71	293	309	341	389	543	848

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Areas and Aggregates^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	16,460	17,090	15,906	14,931	15,160	15,539	15,441	15,332	-0.7%	-0.4%
Russia and Central Asia	3,243	3,303	3,375	4,181	4,044	4,105	4,216	4,313	2.3%	1.5%
Middle East	5,011	6,206	7,533	8,730	8,553	8,596	8,571	8,607	0.4%	2.9%
Africa	2,466	2,928	3,583	4,221	4,197	4,259	4,235	4,306	1.7%	3.0%
Asia - Pacific	20,885	24,174	27,517	32,136	33,030	34,165	34,861	35,565	2.0%	2.8%
Americas	29,060	30,892	30,374	31,306	31,324	31,408	31,827	31,864	0.1%	0.5%
- North America	22,007	23,494	21,856	22,303	22,485	22,694	23,273	23,296	0.1%	0.3%
- Central South America	7,053	7,398	8,518	9,003	8,839	8,714	8,555	8,568	0.2%	1.0%
World	77,125	84,593	88,288	95,505	96,307	98,072	99,151	99,986	0.8%	1.4%
European Union	14,734	15,209	14,017	12,980	13,108	13,430	13,357	13,241	-0.9%	-0.6%
MENA	6,265	7,663	9,295	10,669	10,425	10,481	10,390	10,421	0.3%	2.7%
OECD	48,502	50,403	47,076	46,633	47,064	47,606	47,859	47,598	-0.5%	-0.1%
NON OECD	28,623	34,189	41,213	48,872	49,243	50,465	51,292	52,387	2.1%	3.2%
OPEC	5,500	6,816	8,360	9,781	9,525	9,411	9,337	9,299	-0.4%	2.8%
NON OPEC	71,625	77,777	79,928	85,723	86,782	88,660	89,814	90,686	1.0%	1.2%

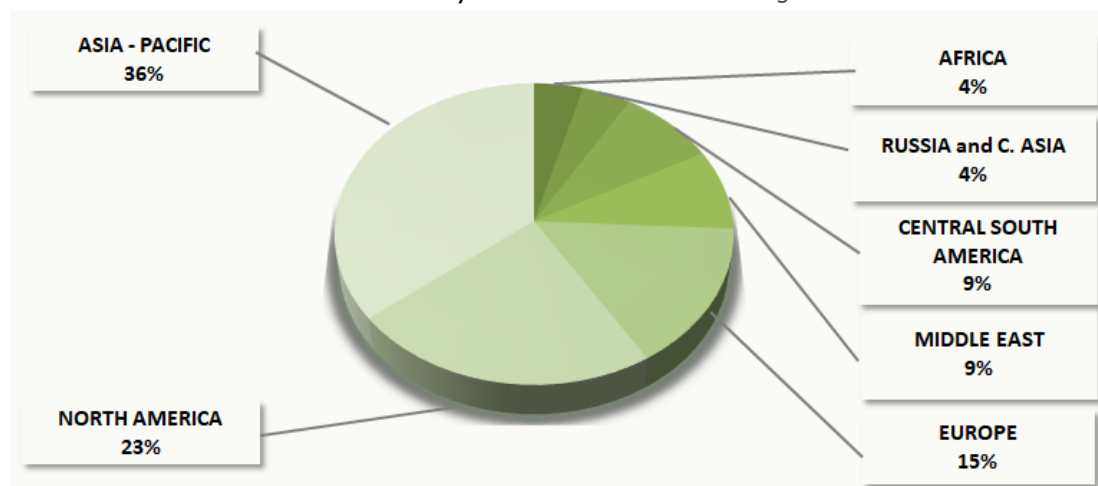
The World Top 10 Consumers^(**)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
United States	19,999	21,168	19,476	19,840	19,999	20,273	20,822	20,794	-0.1%	0.2%
China	4,651	6,772	9,031	11,566	11,985	12,485	12,975	13,657	5.3%	5.8%
India	2,336	2,632	3,302	4,250	4,460	4,662	4,863	5,000	2.8%	4.1%
Japan	5,357	5,161	4,342	4,142	4,013	3,925	3,812	3,673	-3.7%	-2.0%
Russia	2,678	2,732	2,794	3,480	3,313	3,394	3,479	3,551	2.1%	1.5%
Saudi Arabia	1,571	1,941	2,674	3,415	3,301	3,303	3,128	3,148	0.6%	3.7%
Brazil	2,135	2,173	2,774	3,177	2,985	3,028	3,029	3,103	2.4%	2.0%
South Korea	2,135	2,191	2,269	2,473	2,605	2,630	2,619	2,591	-1.1%	1.0%
Canada	2,008	2,326	2,380	2,462	2,486	2,421	2,451	2,502	2.1%	1.2%
Germany	2,767	2,624	2,467	2,368	2,383	2,450	2,354	2,379	1.1%	-0.8%
The World Top 10	45,636	49,720	51,508	57,173	57,531	58,571	59,532	60,398	1.5%	1.5%
Rest of the World	31,489	34,873	36,780	38,332	38,776	39,500	39,619	39,588	-0.1%	1.2%
World	77,125	84,593	88,288	95,505	96,307	98,072	99,151	99,986	0.8%	1.4%

World Oil Consumption (2019)

99,986 thousand barrels/day



^(*) Data sources: Eni's calculations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

^(**) Data sources: IEA (2020) *Monthly Oil Data Services*. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	16,460	17,090	15,906	14,931	15,160	15,539	15,441	15,332	-0.7%	-0.4%
Albania	21	29	26	26	28	30	31	31	2.4%	2.2%
Austria	250	297	278	258	262	263	275	281	1.9%	0.6%
Belarus	119	148	151	139	137	137	140	142	1.2%	0.9%
Belgium	612	660	653	623	632	637	645	622	-3.6%	0.1%
Bosnia Herzegovina	23	23	34	31	35	35	36	37	2.2%	2.6%
Bulgaria	86	99	84	95	96	98	101	104	3.0%	1.0%
Croatia	82	94	78	69	68	73	74	76	2.4%	-0.4%
Cyprus	50	57	57	48	52	53	55	56	2.5%	0.6%
Czech Republic	170	213	202	196	180	214	217	222	2.3%	1.4%
Denmark	210	183	167	154	158	159	161	163	1.4%	-1.3%
Estonia	21	26	26	29	29	30	32	31	-0.7%	2.1%
Finland	213	221	214	207	210	210	207	201	-3.1%	-0.3%
France	2,001	1,990	1,818	1,744	1,706	1,736	1,712	1,713	0.1%	-0.8%
Germany	2,767	2,624	2,467	2,368	2,383	2,450	2,354	2,379	1.1%	-0.8%
Gibraltar	53	79	83	74	76	84	77	77	0.0%	2.0%
Greece	399	424	370	295	296	303	299	310	3.4%	-1.3%
Hungary	143	155	149	155	156	167	171	172	0.6%	1.0%
Iceland	16	17	15	17	19	21	22	19	-15.8%	0.9%
Ireland	173	198	166	146	152	154	159	159	0.1%	-0.4%
Italy	1,854	1,781	1,544	1,274	1,237	1,244	1,269	1,152	-9.2%	-2.5%
Kosovo	7	10	11	14	14	15	15	16	3.4%	4.4%
Latvia	28	36	37	37	38	38	35	39	12.5%	1.8%
Lithuania	59	59	56	57	62	64	68	67	-2.3%	0.7%
Luxembourg	48	65	60	56	56	59	63	64	1.7%	1.5%
Macedonia	19	18	18	20	22	21	20	21	1.5%	0.5%
Malta	29	32	47	43	45	50	53	55	4.1%	3.5%
Moldova	13	14	17	18	19	20	20	21	2.8%	2.5%
Montenegro	2	6	7	6	7	8	8	8	2.4%	7.7%
Netherlands	912	1,046	985	921	937	946	910	876	-3.8%	-0.2%
Norway	209	222	219	207	204	209	222	182	-18.0%	-0.7%
Poland	411	471	568	541	582	658	682	696	2.1%	2.8%
Portugal	333	337	274	237	237	242	230	243	5.8%	-1.6%
Romania	206	224	176	194	204	217	218	232	6.4%	0.6%
Serbia	29	83	81	71	77	77	80	82	2.8%	5.6%
Slovakia	67	78	84	79	82	90	92	86	-6.0%	1.4%
Slovenia	50	54	55	49	52	52	55	52	-5.1%	0.2%
Spain	1,433	1,607	1,441	1,247	1,290	1,297	1,334	1,329	-0.4%	-0.4%
Sweden	362	360	335	298	322	327	312	327	4.7%	-0.5%
Switzerland	270	267	261	227	228	225	218	223	2.3%	-1.0%
Turkey	667	659	675	881	942	991	952	985	3.4%	2.1%
Ukraine	278	307	293	220	244	236	242	248	2.4%	-0.6%
United Kingdom	1,765	1,819	1,624	1,560	1,584	1,596	1,575	1,535	-2.5%	-0.7%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	3,243	3,303	3,375	4,181	4,044	4,105	4,216	4,313	2.3%	1.5%
Russia	2,678	2,732	2,794	3,480	3,313	3,394	3,479	3,551	2.1%	1.5%
Armenia	6	9	9	7	7	8	8	9	4.8%	1.7%
Azerbaijan	106	104	74	96	96	101	102	104	2.2%	-0.1%
Georgia	18	17	22	26	32	31	32	33	3.7%	3.2%
Kazakhstan	206	198	233	308	336	320	330	340	3.1%	2.7%
Kyrgyzstan	15	14	27	36	38	32	35	34	-0.7%	4.3%
Tajikistan	3	6	11	22	22	21	22	23	4.0%	11.3%
Turkmenistan	104	120	126	151	149	150	157	165	5.1%	2.5%
Uzbekistan	106	103	80	55	50	48	50	53	4.4%	-3.6%

(*) Data source: IEA (2020) *Monthly Oil Data Services*. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East	5,011	6,206	7,533	8,730	8,553	8,596	8,571	8,607	0.4%	2.9%
Bahrain	34	64	62	63	62	63	64	65	1.6%	3.4%
Iran	1,419	1,723	1,848	2,002	1,845	1,924	1,981	1,970	-0.6%	1.7%
Iraq	471	575	658	802	860	829	884	871	-1.5%	3.3%
Israel	252	233	251	232	236	246	253	256	1.2%	0.1%
Jordan	101	112	102	136	112	122	124	126	1.8%	1.2%
Kuwait	216	327	450	473	487	433	427	437	2.3%	3.8%
Lebanon	93	97	120	162	169	178	178	179	0.2%	3.5%
Oman	64	72	126	185	177	188	191	191	0.0%	6.0%
Qatar	48	89	172	227	222	237	234	242	3.3%	8.8%
Saudi Arabia	1,571	1,941	2,674	3,415	3,301	3,303	3,128	3,148	0.6%	3.7%
Syria	228	324	307	121	120	120	127	123	-3.0%	-3.2%
United Arab Emirates	416	511	616	837	900	897	922	942	2.1%	4.4%
Yemen	98	139	148	74	62	56	57	58	1.7%	-2.8%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa	2,466	2,928	3,583	4,221	4,197	4,259	4,235	4,306	1.7%	3.0%
Algeria	240	271	351	481	429	424	428	438	2.3%	3.2%
Angola	37	42	106	154	148	128	127	126	-0.2%	6.7%
Benin	10	19	35	36	45	45	48	50	5.2%	8.6%
Cameroon	21	22	34	39	38	37	38	40	3.2%	3.3%
Congo	4	6	12	15	13	12	12	13	3.4%	5.9%
Côte d'Ivoire	27	24	24	44	53	49	52	55	6.0%	3.8%
Dem. Rep. Congo	8	13	16	21	16	18	18	18	3.2%	4.5%
Egypt	539	638	763	858	831	822	736	704	-4.4%	1.4%
Ethiopia	23	33	44	69	81	89	94	100	6.0%	8.0%
Gabon	14	15	19	22	22	22	22	22	2.4%	2.6%
Ghana	39	49	72	87	89	86	90	95	6.0%	4.8%
Kenya	61	62	84	104	114	116	122	128	4.5%	4.0%
Libya	244	264	304	225	237	242	249	259	3.8%	0.3%
Morocco	147	193	257	274	277	293	300	306	2.1%	4.0%
Mozambique	10	11	16	24	39	42	43	43	1.4%	8.1%
Nigeria	224	300	282	415	427	450	477	503	5.5%	4.4%
Senegal	31	36	38	47	48	57	60	63	4.8%	3.7%
South Africa	431	496	587	634	604	619	619	633	2.3%	2.0%
South Sudan	0	0	0	14	13	12	11	12	6.3%	
Sudan	43	77	112	134	150	148	146	144	-1.4%	6.6%
Tanzania	18	30	35	59	55	55	58	60	4.2%	6.6%
Tunisia	84	91	88	102	98	104	106	107	1.2%	1.2%
Zambia	11	14	13	23	23	30	31	31	1.6%	5.8%
Zimbabwe	23	14	14	28	25	26	27	26	-1.6%	0.7%
Others Africa	178	207	278	325	334	348	334	341	2.2%	3.5%

(*) Data source: IEA (2020) *Monthly Oil Data Services*. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific	20,885	24,174	27,517	32,136	33,030	34,165	34,861	35,565	2.0%	2.8%
Australia	872	962	1,045	1,123	1,117	1,175	1,196	1,184	-0.9%	1.6%
Bangladesh	66	80	80	111	111	127	135	143	6.2%	4.2%
Brunei	13	14	16	17	15	15	15	15	1.5%	1.0%
China	4,651	6,772	9,031	11,566	11,985	12,485	12,975	13,657	5.3%	5.8%
Hong Kong	250	290	416	371	386	434	444	434	-2.1%	2.9%
India	2,336	2,632	3,302	4,250	4,460	4,662	4,863	5,000	2.8%	4.1%
Indonesia	1,152	1,342	1,407	1,656	1,640	1,705	1,764	1,834	4.0%	2.5%
Japan	5,357	5,161	4,342	4,142	4,013	3,925	3,812	3,673	-3.7%	-2.0%
Malaysia	445	509	586	688	708	738	791	808	2.2%	3.2%
Myanmar	37	42	24	74	89	141	149	157	5.0%	7.9%
Nepal	15	16	22	26	44	53	55	59	5.6%	7.4%
New Zealand	134	153	153	160	167	176	181	185	2.0%	1.7%
North Korea	20	18	17	18	20	18	18	18	1.1%	-0.6%
Pakistan	374	336	400	526	546	560	473	435	-8.0%	0.8%
Philippines	350	312	314	401	452	485	509	527	3.5%	2.2%
Singapore	729	859	1,262	1,395	1,461	1,540	1,515	1,496	-1.2%	3.9%
South Korea	2,135	2,191	2,269	2,473	2,605	2,630	2,619	2,591	-1.1%	1.0%
Sri Lanka	76	96	88	110	126	141	145	148	2.2%	3.6%
Taiwan	868	991	1,048	1,012	1,014	1,028	1,029	978	-5.0%	0.6%
Thailand	748	1,008	1,128	1,362	1,392	1,418	1,442	1,459	1.2%	3.6%
Vietnam	165	263	395	415	445	459	485	510	5.2%	6.1%
Others Asia - Pacific	93	126	174	238	233	249	245	252	2.7%	5.4%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas	29,060	30,892	30,374	31,306	31,324	31,408	31,827	31,864	0.1%	0.5%
Argentina	549	570	690	773	760	737	713	697	-2.3%	1.3%
Bolivia	40	47	58	78	81	84	87	90	3.1%	4.3%
Brazil	2,135	2,173	2,774	3,177	2,985	3,028	3,029	3,103	2.4%	2.0%
Canada	2,008	2,326	2,380	2,462	2,486	2,421	2,451	2,502	2.1%	1.2%
Chile	240	272	322	331	352	357	367	371	1.2%	2.3%
Colombia	270	263	267	342	358	360	361	370	2.4%	1.7%
Costa Rica	37	43	50	53	57	59	60	61	1.6%	2.7%
Cuba	196	178	196	175	176	168	174	173	-0.3%	-0.7%
Dominican Republic	123	119	117	124	135	126	133	139	4.0%	0.6%
Ecuador	147	193	235	268	256	253	256	255	-0.4%	2.9%
El Salvador	37	45	44	49	48	45	46	47	2.0%	1.2%
Guatemala	61	72	70	89	92	93	96	98	2.7%	2.5%
Haiti	10	14	14	22	22	23	23	23	0.1%	4.4%
Honduras	28	43	46	61	58	58	60	61	2.7%	4.2%
Jamaica	66	70	50	53	56	53	54	54	0.8%	-1.0%
Mexico	2,062	2,069	2,094	2,006	2,053	2,019	1,888	1,916	1.5%	-0.4%
Nicaragua	24	27	29	35	35	36	35	33	-4.0%	1.8%
Panama	84	87	125	147	155	167	172	178	3.4%	4.0%
Paraguay	23	25	36	47	53	60	61	62	0.8%	5.4%
Peru	163	160	199	235	246	254	261	266	1.7%	2.6%
Trinidad and Tobago	29	47	43	46	47	44	44	44	0.0%	2.1%
United States	19,999	21,168	19,476	19,840	19,999	20,273	20,822	20,794	-0.1%	0.2%
Uruguay	43	43	51	52	50	48	49	49	0.3%	0.7%
Venezuela	497	647	807	672	598	495	423	315	-25.5%	-2.4%
Others Americas	187	192	201	168	164	147	164	163	-0.5%	-0.7%

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Areas and Aggregates^(*)

(barrels)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	9.36	9.55	8.73	8.06	8.16	8.33	8.25	8.18
Russia and Central Asia	5.45	5.53	5.54	6.63	6.37	6.43	6.56	6.67
Middle East	10.94	12.11	12.93	13.54	13.03	12.88	12.64	12.49
Africa	1.23	1.29	1.40	1.46	1.42	1.40	1.36	1.35
Asia - Pacific	2.21	2.41	2.61	2.90	2.96	3.03	3.07	3.10
Americas	12.80	12.82	11.94	11.73	11.63	11.56	11.61	11.52
- North America	25.63	26.09	23.19	22.80	22.82	22.87	23.29	23.13
- Central South America	5.00	4.90	5.32	5.32	5.17	5.05	4.91	4.87
World	4.61	4.74	4.66	4.76	4.74	4.78	4.77	4.76
European Union	11.08	11.23	10.18	9.32	9.39	9.60	9.53	9.43
MENA	7.35	8.18	8.91	9.28	8.90	8.79	8.57	8.45
OECD	15.31	15.35	13.84	13.30	13.34	13.42	13.42	13.27
NON OECD	2.11	2.35	2.65	2.95	2.93	2.97	2.98	3.01
OPEC	6.05	6.71	7.32	7.63	7.27	7.04	6.85	6.69
NON OPEC	4.52	4.62	4.48	4.56	4.57	4.62	4.63	4.63

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

(barrels)

	2000	2005	2010	2015	2016	2017	2018	2019
Saudi Arabia	27.75	29.75	35.59	39.30	37.14	36.42	33.87	33.52
Canada	23.91	26.36	25.58	25.19	25.17	24.22	24.18	24.33
United States	25.81	26.06	22.93	22.54	22.56	22.72	23.19	23.00
South Korea	16.45	16.42	16.71	17.76	18.65	18.79	18.68	18.46
Japan	15.33	14.68	12.33	11.81	11.46	11.24	10.94	10.57
Germany	12.41	11.74	11.14	10.57	10.58	10.82	10.34	10.40
Russia	6.68	6.94	7.11	8.76	8.32	8.51	8.71	8.89
Brazil	4.46	4.26	5.17	5.67	5.28	5.32	5.28	5.37
China	1.32	1.86	2.41	3.00	3.09	3.21	3.32	3.48
India	0.81	0.84	0.98	1.18	1.23	1.27	1.31	1.34

^(*) Data source: Eni's calculations on IEA (2020) *Monthly Oil Data Services* and IHS Global Insight data. All rights reserved.

Countries^(*)

(barrels)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	9.36	9.55	8.73	8.06	8.16	8.33	8.25	8.18
Albania	2.49	3.48	3.20	3.33	3.57	3.77	3.90	4.01
Austria	11.31	13.16	12.09	10.86	10.95	10.89	11.31	11.44
Belarus	4.41	5.64	5.85	5.37	5.28	5.29	5.41	5.48
Belgium	21.73	22.83	21.78	20.13	20.30	20.36	20.50	19.67
Bosnia Herzegovina	2.21	2.26	3.34	3.31	3.77	3.84	3.98	4.10
Bulgaria	3.91	4.72	4.15	4.81	4.89	5.06	5.22	5.41
Croatia	6.78	7.83	6.57	5.97	5.94	6.36	6.54	6.74
Cyprus	26.37	28.17	25.42	20.59	22.30	22.59	23.04	23.30
Czech Republic	6.03	7.58	7.00	6.75	6.19	7.34	7.42	7.57
Denmark	14.35	12.35	11.00	9.91	10.11	10.09	10.20	10.31
Estonia	5.48	7.03	7.24	8.03	8.00	8.34	8.70	8.62
Finland	14.99	15.33	14.56	13.78	13.94	13.89	13.70	13.25
France	12.38	11.88	10.55	9.88	9.63	9.77	9.62	9.60
Germany	12.41	11.74	11.14	10.57	10.58	10.82	10.34	10.40
Greece	13.14	13.78	12.40	10.12	10.18	10.48	10.39	10.79
Hungary	5.11	5.60	5.49	5.80	5.82	6.28	6.43	6.48
Iceland	20.82	21.19	16.74	19.13	21.04	23.31	24.26	20.30
Ireland	16.69	17.41	13.27	11.44	11.85	11.84	12.03	11.88
Italy	11.94	11.15	9.50	7.67	7.44	7.49	7.64	6.94
Kosovo	1.50	2.06	2.35	2.82	2.82	3.05	3.13	3.23
Latvia	4.29	5.82	6.45	6.71	6.97	7.17	6.62	7.54
Lithuania	6.12	6.43	6.52	7.12	7.79	8.24	8.90	8.82
Luxembourg	40.17	51.73	43.15	36.18	35.38	36.61	37.87	37.80
Macedonia	3.35	3.17	3.20	3.53	3.91	3.76	3.55	3.60
Malta	26.84	28.97	41.02	35.70	36.86	39.91	40.70	41.41
Moldova	1.33	1.46	1.71	1.82	1.95	2.04	2.11	2.17
Montenegro	1.19	3.49	3.84	3.65	4.02	4.47	4.65	4.75
Netherlands	20.90	23.33	21.56	19.85	20.14	20.30	19.47	18.70
Norway	16.95	17.46	16.37	14.51	14.19	14.41	15.17	12.35
Poland	3.89	4.48	5.40	5.19	5.59	6.33	6.56	6.71
Portugal	11.80	11.70	9.43	8.36	8.37	8.57	8.18	8.68
Romania	3.40	3.81	3.14	3.55	3.77	4.03	4.07	4.37
Serbia	1.43	4.09	4.04	3.64	4.00	4.01	4.17	4.30
Slovakia	4.53	5.31	5.64	5.31	5.48	6.05	6.16	5.78
Slovenia	9.18	9.82	9.91	8.69	9.20	9.18	9.59	9.10
Spain	12.81	13.33	11.21	9.75	10.10	10.15	10.43	10.38
Sweden	14.88	14.53	13.02	11.12	11.95	12.06	11.42	11.88
Switzerland	13.80	13.17	12.19	9.97	9.94	9.70	9.31	9.45
Turkey	3.85	3.54	3.41	4.10	4.31	4.46	4.22	4.31
Ukraine	2.09	2.40	2.35	1.79	2.00	1.94	2.00	2.06
United Kingdom	10.93	11.01	9.34	8.64	8.72	8.73	8.56	8.30

	2000	2005	2010	2015	2016	2017	2018	2019
Russia and Central Asia	5.45	5.53	5.54	6.63	6.37	6.43	6.56	6.67
Russia	6.68	6.94	7.11	8.76	8.32	8.51	8.71	8.89
Armenia	0.76	1.10	1.15	0.91	0.92	1.00	1.04	1.08
Azerbaijan	4.78	4.44	2.99	3.66	3.60	3.76	3.75	3.79
Georgia	1.52	1.50	1.99	2.40	2.94	2.78	2.89	3.00
Kazakhstan	5.04	4.70	5.23	6.39	6.87	6.46	6.58	6.70
Kyrgyzstan	1.14	1.00	1.79	2.19	2.26	1.89	2.00	1.96
Tajikistan	0.18	0.31	0.52	0.94	0.91	0.86	0.89	0.90
Turkmenistan	8.43	9.21	9.03	9.89	9.61	9.50	9.81	10.15
Uzbekistan	1.56	1.42	1.02	0.64	0.58	0.55	0.57	0.58

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Countries^(*)

(barrels)

	2000	2005	2010	2015	2016	2017	2018	2019
Middle East	10.94	12.11	12.93	13.54	13.03	12.88	12.64	12.49
Bahrain	18.86	26.26	18.33	16.83	15.83	15.50	14.97	14.54
Iran	7.89	9.02	9.14	9.31	8.46	8.70	8.84	8.67
Iraq	7.32	7.80	8.07	8.23	8.58	8.06	8.40	8.09
Israel	15.47	13.05	12.48	10.61	10.64	10.87	11.01	10.96
Jordan	7.18	7.06	5.11	5.35	4.27	4.54	4.53	4.55
Kuwait	38.52	52.63	54.85	44.98	44.96	39.00	37.71	37.95
Lebanon	8.88	7.51	8.83	9.08	9.16	9.53	9.49	9.51
Oman	10.22	10.47	15.18	15.78	14.43	14.73	14.43	14.01
Qatar	29.77	37.44	33.79	32.33	30.48	31.79	30.73	31.18
Saudi Arabia	27.75	29.75	35.59	39.30	37.14	36.42	33.87	33.52
Syria	5.07	6.43	5.25	2.46	2.51	2.55	2.73	2.63
United Arab Emirates	48.41	40.61	26.29	32.97	35.08	34.51	34.96	35.20
Yemen	2.06	2.51	2.33	1.02	0.84	0.74	0.73	0.72

	2000	2005	2010	2015	2016	2017	2018	2019
Africa	1.23	1.29	1.40	1.46	1.42	1.40	1.36	1.35
Algeria	2.82	2.98	3.56	4.42	3.86	3.74	3.70	3.72
Angola	0.83	0.79	1.65	2.02	1.88	1.56	1.50	1.45
Benin	0.56	0.87	1.39	1.23	1.51	1.48	1.51	1.55
Cameroon	0.50	0.46	0.62	0.61	0.58	0.55	0.55	0.56
Congo	0.49	0.65	1.06	1.15	0.97	0.83	0.84	0.85
Côte d'Ivoire	0.60	0.48	0.42	0.70	0.81	0.73	0.75	0.78
Dem. Rep. Congo	0.06	0.08	0.09	0.10	0.07	0.08	0.08	0.08
Egypt	2.86	3.08	3.36	3.39	3.21	3.11	2.73	2.56
Ethiopia	0.13	0.16	0.19	0.26	0.29	0.31	0.32	0.33
Gabon	4.09	3.96	4.51	4.59	4.48	4.32	4.25	4.26
Ghana	0.74	0.82	1.06	1.14	1.14	1.07	1.10	1.14
Kenya	0.70	0.61	0.73	0.79	0.85	0.84	0.87	0.89
Libya	16.60	16.61	17.91	12.79	13.35	13.42	13.62	13.93
Morocco	1.86	2.31	2.90	2.88	2.88	3.01	3.04	3.07
Mozambique	0.20	0.20	0.25	0.33	0.51	0.53	0.53	0.52
Nigeria	0.67	0.79	0.65	0.84	0.84	0.86	0.89	0.91
Senegal	1.17	1.19	1.09	1.18	1.18	1.35	1.38	1.41
South Africa	3.50	3.78	4.18	4.18	3.92	3.96	3.91	3.95
South Sudan				0.14	0.13	0.11	0.10	0.11
Sudan	0.46	0.73	0.93	1.31	1.44	1.39	1.34	1.30
Tanzania	0.19	0.29	0.29	0.42	0.38	0.36	0.37	0.38
Tunisia	3.18	3.30	3.02	3.33	3.15	3.31	3.33	3.34
Zambia	0.37	0.44	0.35	0.54	0.50	0.65	0.65	0.64
Zimbabwe	0.71	0.43	0.41	0.73	0.65	0.66	0.68	0.66

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Countries^(*)

(barrels)

	2000	2005	2010	2015	2016	2017	2018	2019
Asia - Pacific	2.21	2.41	2.61	2.90	2.96	3.03	3.07	3.10
Australia	16.76	17.41	17.21	17.13	16.81	17.45	17.53	17.15
Bangladesh	0.19	0.21	0.20	0.26	0.26	0.29	0.30	0.32
Brunei	13.97	13.63	15.43	15.15	13.15	13.13	13.00	13.06
China	1.32	1.86	2.41	3.00	3.09	3.21	3.32	3.48
Hong Kong	13.81	15.65	21.79	18.86	19.46	21.68	21.97	21.31
India	0.81	0.84	0.98	1.18	1.23	1.27	1.31	1.34
Indonesia	1.99	2.16	2.12	2.34	2.29	2.35	2.41	2.47
Japan	15.33	14.68	12.33	11.81	11.46	11.24	10.94	10.57
Malaysia	7.00	7.23	7.59	8.30	8.43	8.66	9.16	9.24
Myanmar	0.29	0.32	0.17	0.51	0.61	0.97	1.01	1.06
Nepal	0.23	0.23	0.30	0.35	0.59	0.70	0.72	0.75
New Zealand	12.67	13.48	12.76	12.63	13.08	13.67	13.95	14.12
North Korea	0.32	0.28	0.25	0.26	0.28	0.26	0.25	0.25
Pakistan	0.96	0.77	0.81	0.96	0.98	0.98	0.81	0.73
Philippines	1.64	1.32	1.22	1.43	1.59	1.68	1.74	1.78
Singapore	66.05	73.48	89.75	91.06	94.32	98.49	96.06	94.10
South Korea	16.45	16.42	16.71	17.76	18.65	18.79	18.68	18.46
Sri Lanka	1.48	1.79	1.58	1.92	2.19	2.44	2.49	2.54
Taiwan	14.51	16.01	16.56	15.72	15.71	15.88	15.86	15.03
Thailand	4.33	5.62	6.12	7.24	7.37	7.48	7.58	7.65
Vietnam	0.75	1.15	1.64	1.64	1.73	1.77	1.85	1.93

	2000	2005	2010	2015	2016	2017	2018	2019
Americas	12.80	12.82	11.94	11.73	11.63	11.56	11.61	11.52
Argentina	5.44	5.35	6.16	6.55	6.37	6.12	5.87	5.68
Bolivia	1.74	1.85	2.11	2.61	2.67	2.75	2.81	2.85
Brazil	4.46	4.26	5.17	5.67	5.28	5.32	5.28	5.37
Canada	23.91	26.36	25.58	25.19	25.17	24.22	24.18	24.33
Chile	5.71	6.14	6.90	6.71	7.06	7.06	7.15	7.15
Colombia	2.49	2.25	2.15	2.63	2.71	2.69	2.65	2.68
Costa Rica	3.39	3.70	3.98	4.01	4.27	4.32	4.37	4.39
Cuba	6.43	5.76	6.36	5.65	5.67	5.41	5.59	5.58
Dominican Republic	5.32	4.78	4.40	4.42	4.75	4.39	4.58	4.72
Ecuador	4.24	5.11	5.72	6.02	5.67	5.51	5.47	5.36
El Salvador	2.31	2.70	2.57	2.84	2.77	2.55	2.59	2.63
Guatemala	1.91	2.01	1.75	2.00	2.03	2.01	2.02	2.04
Haiti	0.44	0.57	0.53	0.76	0.75	0.76	0.76	0.75
Honduras	1.56	2.10	2.01	2.43	2.27	2.25	2.28	2.30
Jamaica	9.01	9.35	6.51	6.73	7.04	6.61	6.66	6.69
Mexico	7.61	7.12	6.70	6.01	6.07	5.91	5.46	5.48
Nicaragua	1.72	1.80	1.80	2.04	2.05	2.04	1.95	1.85
Panama	10.16	9.50	12.48	13.52	13.97	14.86	15.04	15.30
Paraguay	1.56	1.54	2.11	2.55	2.86	3.17	3.22	3.21
Peru	2.25	2.10	2.51	2.81	2.90	2.95	2.98	2.98
Trinidad and Tobago	8.43	13.34	11.83	12.36	12.53	11.48	11.46	11.42
United States	25.81	26.06	22.93	22.54	22.56	22.72	23.19	23.00
Uruguay	4.70	4.71	5.56	5.55	5.37	5.09	5.14	5.13
Venezuela	7.50	8.93	10.35	8.16	7.32	6.14	5.34	4.03

^(*) Data source: Eni's calculations on IEA (2020) *Monthly Oil Data Services* and IHS Global Insight data. All rights reserved.

Areas and Aggregates^(*)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	0.43	0.34	0.28	0.25	0.25	0.24	0.24	0.23
Russia and Central Asia	2.42	3.54	3.97	3.34	3.49	3.46	3.43	3.37
Middle East	4.69	4.12	3.37	3.41	3.69	3.62	3.70	3.52
Africa	3.17	3.38	2.86	1.98	1.86	1.92	1.96	1.96
Asia - Pacific	0.38	0.33	0.30	0.26	0.24	0.23	0.22	0.21
Americas	0.72	0.68	0.71	0.89	0.86	0.88	0.93	0.97
- North America	0.49	0.43	0.51	0.79	0.76	0.81	0.90	0.98
- Central South America	1.46	1.47	1.21	1.16	1.13	1.09	1.01	0.96
World	0.97	0.97	0.94	0.96	0.96	0.95	0.96	0.95
European Union	0.24	0.18	0.15	0.12	0.12	0.12	0.12	0.12
MENA	4.34	3.91	3.18	3.05	3.29	3.27	3.37	3.22
OECD	0.45	0.40	0.40	0.52	0.50	0.51	0.56	0.60
NON OECD	1.86	1.81	1.56	1.39	1.40	1.35	1.34	1.28
OPEC	5.56	5.06	4.04	3.74	3.95	3.97	4.00	3.82
NON OPEC	0.62	0.61	0.62	0.65	0.63	0.62	0.65	0.66

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

	2000	2005	2010	2015	2016	2017	2018	2019
Kuwait	10.01	7.78	5.56	6.55	6.55	6.95	7.14	6.83
Iraq	5.48	3.19	3.70	5.08	5.23	5.51	5.27	5.52
United Arab Emirates	6.31	5.86	4.60	4.50	4.28	4.17	4.12	4.25
Saudi Arabia	5.95	5.63	3.73	3.53	3.74	3.60	3.95	3.76
Russia	2.44	3.53	3.72	3.19	3.42	3.34	3.30	3.26
Canada	1.36	1.34	1.45	1.84	1.86	2.06	2.21	2.22
Iran	2.65	2.44	2.28	1.79	2.40	2.48	2.34	1.72
Brazil	0.59	0.79	0.78	0.80	0.88	0.91	0.90	0.93
United States	0.40	0.33	0.40	0.66	0.63	0.66	0.75	0.83
China	0.69	0.53	0.45	0.37	0.33	0.31	0.29	0.28

^(*) Data source: Eni's calculations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	0.43	0.34	0.28	0.25	0.25	0.24	0.24	0.23
Albania	0.29	0.28	0.51	0.87	0.67	0.57	0.52	0.45
Austria	0.08	0.06	0.08	0.07	0.06	0.05	0.05	0.05
Belarus	0.31	0.24	0.23	0.24	0.24	0.23	0.24	0.24
Bulgaria	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Croatia	0.34	0.22	0.23	0.20	0.22	0.21	0.20	0.20
Czech Republic	0.05	0.03	0.02	0.04	0.03	0.03	0.03	0.03
Denmark	1.73	2.11	1.52	1.03	0.90	0.88	0.73	0.64
Estonia	0.24	0.19	0.38	0.55	0.49	0.60	0.70	0.73
France	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.02
Germany	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Greece	0.02	0.00	0.01	0.00	0.01	0.01	0.01	0.01
Hungary	0.27	0.21	0.17	0.12	0.14	0.13	0.13	0.13
Italy	0.04	0.07	0.06	0.10	0.08	0.08	0.09	0.08
Netherlands	0.05	0.04	0.03	0.04	0.03	0.03	0.03	0.02
Norway	15.94	13.37	9.76	9.43	9.77	9.42	8.34	9.54
Poland	0.04	0.05	0.04	0.05	0.04	0.04	0.05	0.04
Romania	0.63	0.51	0.51	0.42	0.38	0.35	0.34	0.31
Serbia	0.68	0.16	0.22	0.31	0.26	0.26	0.23	0.21
Slovakia	0.01	0.05	0.05	0.06	0.05	0.07	0.03	0.03
Spain	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Turkey	0.08	0.07	0.07	0.05	0.05	0.05	0.06	0.06
Ukraine	0.29	0.32	0.27	0.25	0.20	0.21	0.21	0.22
United Kingdom	1.53	1.01	0.84	0.62	0.65	0.63	0.70	0.75

	2000	2005	2010	2015	2016	2017	2018	2019
Russia and Central Asia	2.42	3.54	3.97	3.34	3.49	3.46	3.43	3.37
Russia	2.44	3.53	3.72	3.19	3.42	3.34	3.30	3.26
Azerbaijan	2.65	4.33	14.07	8.80	8.63	7.73	7.76	7.33
Georgia	0.11	0.06	0.04	0.04	0.00	0.00	0.00	0.00
Kazakhstan	3.56	6.52	7.28	5.51	4.96	5.75	5.83	5.68
Kyrgyzstan	0.13	0.14	0.04	0.03	0.03	0.03	0.03	0.03
Tajikistan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turkmenistan	1.51	1.75	1.68	1.78	1.66	1.55	1.39	1.35
Uzbekistan	1.42	1.05	0.94	0.95	0.95	0.95	0.85	0.76

	2000	2005	2010	2015	2016	2017	2018	2019
Middle East	4.69	4.12	3.37	3.41	3.69	3.62	3.70	3.52
Bahrain	5.76	3.10	3.08	3.37	3.44	3.31	3.23	3.18
Iran	2.65	2.44	2.28	1.79	2.40	2.48	2.34	1.72
Iraq	5.48	3.19	3.70	5.08	5.23	5.51	5.27	5.52
Kuwait	10.01	7.78	5.56	6.55	6.55	6.95	7.14	6.83
Oman	15.08	10.79	6.89	5.35	5.72	5.19	5.16	5.13
Qatar	17.80	13.70	9.71	8.65	8.89	8.14	8.41	8.11
Saudi Arabia	5.95	5.63	3.73	3.53	3.74	3.60	3.95	3.76
Syria	2.51	1.38	1.25	0.22	0.21	0.21	0.19	0.20
United Arab Emirates	6.31	5.86	4.60	4.50	4.28	4.17	4.12	4.25
Yemen	4.57	3.04	2.07	0.43	0.26	0.78	1.23	1.21

^(*) Data source: Eni's calculations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

	2000	2005	2010	2015	2016	2017	2018	2019
Africa	3.17	3.38	2.86	1.98	1.86	1.92	1.96	1.96
Algeria	5.99	7.14	4.91	3.31	3.74	3.61	3.53	3.40
Angola	20.10	29.63	17.01	11.65	11.76	13.32	12.20	11.48
Cameroon	5.34	3.97	1.86	2.39	2.43	2.02	1.75	1.62
Congo	63.40	38.18	25.22	15.28	16.48	23.01	27.36	27.09
Côte d'Ivoire	0.26	1.65	1.64	0.59	0.60	0.82	0.80	0.88
Dem. Rep. Congo	2.91	1.96	1.60	1.04	1.32	1.14	1.07	0.98
Egypt	1.32	1.02	0.92	0.81	0.80	0.78	0.88	0.90
Gabon	20.10	18.06	12.94	10.45	10.32	9.23	8.71	9.49
Ghana	0.18	0.12	0.10	1.22	1.03	1.95	2.12	2.09
Libya	6.04	6.52	5.46	1.94	1.79	3.62	4.13	4.48
Nigeria	9.66	8.48	9.00	5.44	4.53	4.43	4.24	4.23
South Africa	0.46	0.42	0.24	0.17	0.17	0.16	0.15	0.15
South Sudan				10.34	8.93	10.61	11.23	11.46
Sudan	4.13	3.97	4.17	0.88	0.59	0.49	0.53	0.55
Tunisia	0.92	0.80	0.94	0.54	0.53	0.43	0.41	0.37

	2000	2005	2010	2015	2016	2017	2018	2019
Asia - Pacific	0.38	0.33	0.30	0.26	0.24	0.23	0.22	0.21
Australia	0.92	0.57	0.53	0.33	0.31	0.27	0.29	0.35
Bangladesh	0.06	0.08	0.06	0.04	0.04	0.03	0.02	0.02
Brunei	15.29	15.11	10.28	7.38	8.00	7.40	7.27	7.81
China	0.69	0.53	0.45	0.37	0.33	0.31	0.29	0.28
India	0.33	0.30	0.27	0.21	0.19	0.18	0.17	0.16
Indonesia	1.26	0.81	0.70	0.49	0.53	0.49	0.45	0.42
Malaysia	1.50	1.53	1.22	1.02	1.04	0.99	0.91	0.83
Myanmar	0.33	0.52	0.79	0.15	0.13	0.08	0.07	0.07
New Zealand	0.34	0.16	0.39	0.30	0.25	0.21	0.17	0.16
Pakistan	0.16	0.20	0.16	0.17	0.16	0.16	0.19	0.20
Philippines	0.00	0.07	0.06	0.04	0.03	0.03	0.03	0.03
South Korea	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Thailand	0.26	0.28	0.34	0.33	0.33	0.32	0.30	0.29
Vietnam	1.98	1.41	0.78	0.81	0.69	0.60	0.51	0.44

	2000	2005	2010	2015	2016	2017	2018	2019
Americas	0.72	0.68	0.71	0.89	0.86	0.88	0.93	0.97
Argentina	1.57	1.46	1.03	0.81	0.79	0.78	0.81	0.86
Bolivia	0.97	1.24	0.86	0.96	0.93	0.86	0.81	0.76
Brazil	0.59	0.79	0.78	0.80	0.88	0.91	0.90	0.93
Canada	1.36	1.34	1.45	1.84	1.86	2.06	2.21	2.22
Chile	0.04	0.03	0.04	0.02	0.01	0.02	0.02	0.03
Colombia	2.55	2.01	2.95	2.96	2.53	2.40	2.42	2.41
Cuba	0.26	0.30	0.29	0.30	0.27	0.26	0.24	0.23
Ecuador	2.74	2.76	1.99	2.02	2.13	2.10	2.04	2.07
Guatemala	0.34	0.25	0.17	0.11	0.10	0.09	0.07	0.07
Mexico	1.67	1.82	1.41	1.29	1.20	1.11	1.10	1.01
Peru	0.64	0.72	0.78	0.64	0.54	0.52	0.51	0.53
Trinidad and Tobago	4.72	3.61	3.44	2.35	2.05	2.27	1.99	1.88
United States	0.40	0.33	0.40	0.66	0.63	0.66	0.75	0.83
Venezuela	6.47	4.78	3.44	3.96	4.06	4.31	3.63	3.12

^(*) Data source: Eni's calculations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Oil - Trade and Prices

Regional Crude Balances

Exports

Imports

Crude Future Price and Open Interests

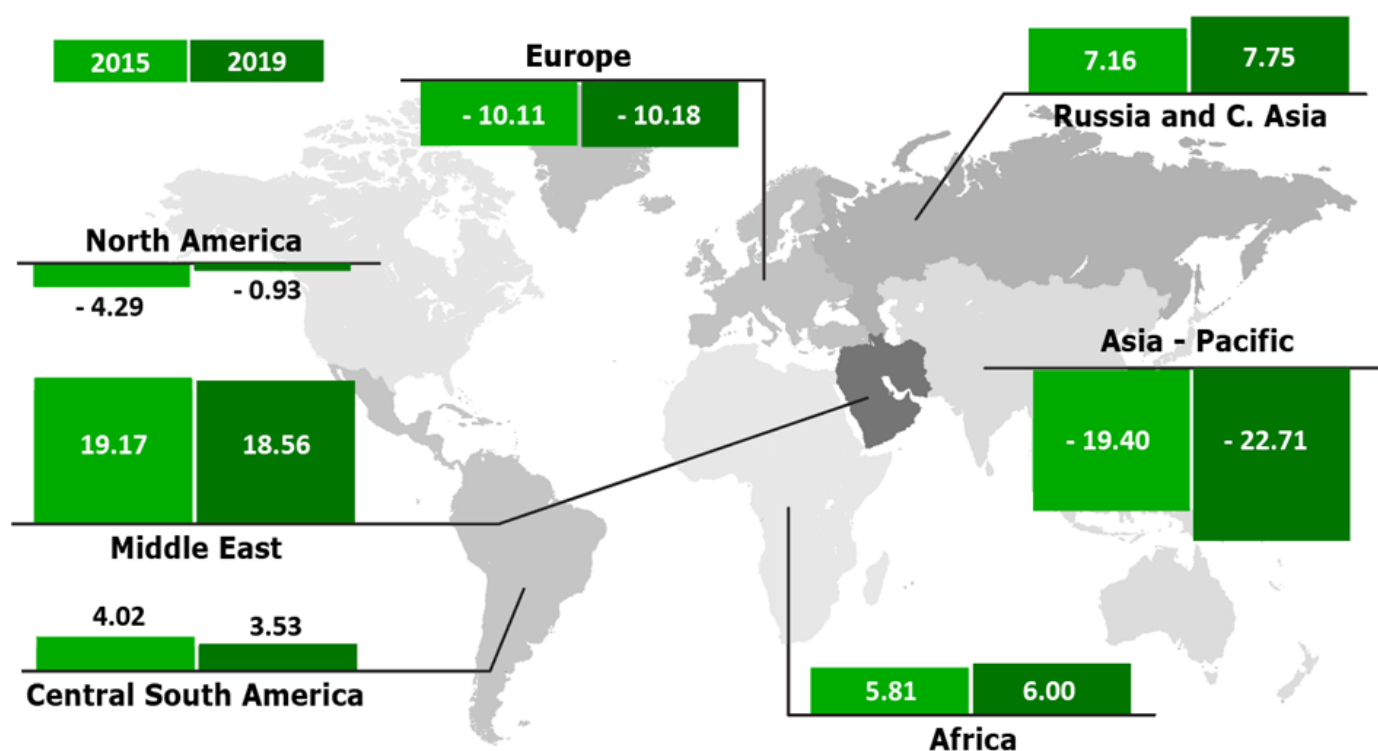
Crude Surplus Deficit by Area^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ (2019-2018)	Δ (2019-2000)
Europe	-7,950	-10,156	-9,752	-10,109	-9,885	-10,310	-10,121	-10,179	-58	-2,229
Russia and Central Asia	3,730	6,708	7,441	7,156	7,407	7,540	7,671	7,750	79	4,020
Middle East	15,257	17,102	16,046	19,170	20,482	19,835	20,141	18,558	-1,583	3,301
Africa	4,513	6,688	7,237	5,812	5,278	5,744	5,891	5,999	108	1,486
Asia - Pacific	-10,896	-13,515	-16,115	-19,395	-20,475	-21,589	-22,155	-22,706	-551	-11,810
Americas	-5,823	-5,944	-4,608	-271	-585	-376	1,035	2,595	1,560	8,418
- North America	-9,136	-9,653	-8,161	-4,287	-4,703	-4,339	-2,672	-934	1,739	8,202
- Central South America	3,313	3,709	3,553	4,016	4,117	3,963	3,708	3,529	-179	216
World	-1,170	882	249	2,363	2,222	842	2,462	2,017	-445	3,187

Crude Surplus Deficit by Area (2015 and 2019)

(million barrels/day)



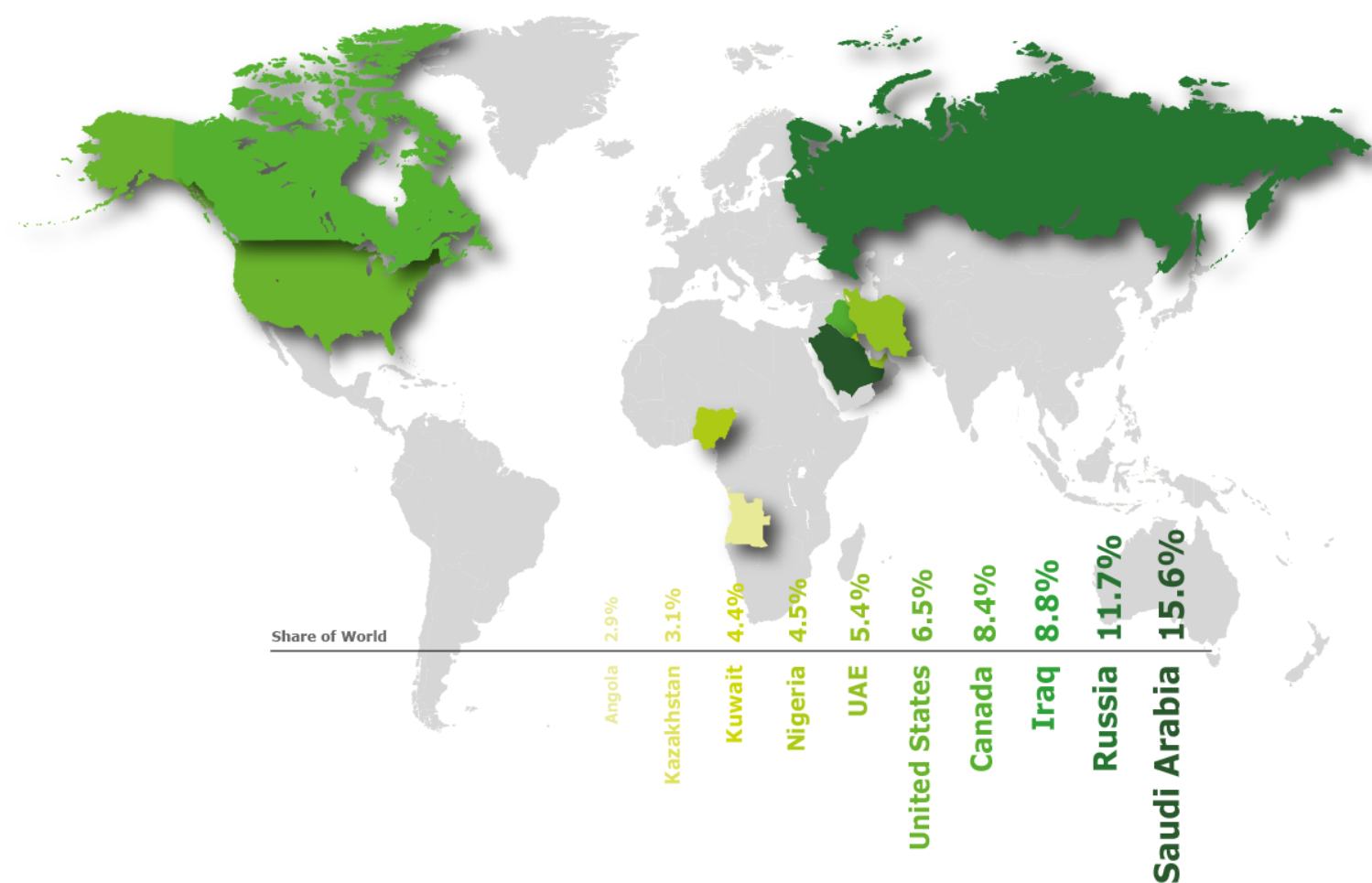
^(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* and Wood MacKenzie data. All rights reserved.

The World Top 10 Exporters^(*)

Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Saudi Arabia	6,253	7,209	6,644	7,163	7,463	6,968	7,372	7,038	-4.5%	0.6%
Russia	2,916	5,100	4,912	4,937	5,105	5,092	5,103	5,273	3.3%	3.2%
Iraq	2,040	1,472	1,890	3,005	3,804	3,802	3,862	3,968	2.8%	3.6%
Canada	1,380	1,578	1,948	3,029	3,104	3,318	3,651	3,778	3.5%	5.4%
United States	52	34	42	465	593	1,158	2,003	2,912	45.4%	23.6%
United Arab Emirates	1,815	2,195	2,104	2,441	2,408	2,379	2,296	2,414	5.1%	1.5%
Nigeria	1,986	2,326	2,464	2,114	1,738	1,811	1,979	2,008	1.5%	0.1%
Kuwait	1,231	1,651	1,430	1,964	2,128	2,010	2,050	1,986	-3.1%	2.6%
Kazakhstan	588	1,093	1,386	1,272	1,219	1,374	1,406	1,412	0.4%	4.7%
Angola	749	947	1,711	1,711	1,670	1,577	1,421	1,319	-7.2%	3.0%
Rest of the World	19,469	19,239	17,071	13,957	14,773	15,105	14,593	12,940	-11.3%	-2.1%
World	38,478	42,844	41,601	42,059	44,005	44,594	45,737	45,049	-1.5%	0.8%

The World Top 10 (2019)



^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries^(*)Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe										
Albania	0	0	9	18	16	9	11	9	-12.5%	
Austria	1	0	0	0	0	0	0	0		-100.0%
Belarus	7	27	0	32	32	32	33	33	0.6%	8.5%
Croatia	1	0	0	0	0	0	0	0		-100.0%
Czech Republic	2	1	0	1	1	0	0	0		-100.0%
Denmark	275	273	154	90	78	82	56	46	-18.1%	-9.0%
France	0	0	0	0	0	0	0	0		
Germany	64	14	14	7	2	0	0	2		-16.4%
Greece	0	18	17	2	3	3	4	5	20.3%	
Hungary	0	7	0	2	1	3	8	3	-64.3%	
Ireland	0	0	2	0	0	6	0	1		
Italy	0	15	6	14	12	15	10	0	-100.0%	
Lithuania	6	3	2	1	1	1	1	0	-100.0%	-100.0%
Netherlands	4	21	10	6	7	8	9	8	-9.4%	4.1%
Norway	2,875	2,316	1,586	1,223	1,363	1,348	1,243	1,222	-1.7%	-4.4%
Poland	3	5	4	5	4	4	6	5	-17.9%	3.4%
Romania	0	0	2	1	0	1	0	0		
Slovakia	0	1	0	1	0	1	0	0	-25.0%	-7.0%
Sweden	0	0	0	0	0	16	0	6		
Ukraine	5	2	0	0	0	2	0	0		-100.0%
United Kingdom	1,719	978	733	589	616	686	810	817	0.9%	-3.8%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia										
Russia	2,916	5,100	4,912	4,937	5,105	5,092	5,103	5,273	3.3%	3.2%
Azerbaijan	113	286	853	657	650	610	606	585	-3.5%	9.0%
Georgia	2	1	1	3	0	0	0	0	-100.0%	-100.0%
Kazakhstan	588	1,093	1,386	1,272	1,219	1,374	1,406	1,412	0.4%	4.7%
Kyrgyzstan	0	0	0	0	0	0	1	1	-29.1%	
Turkmenistan	32	50	26	69	50	34	31	30	-3.3%	-0.3%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East										
Iran	2,492	2,394	2,248	1,081	1,922	2,125	1,850	651	-64.8%	-6.8%
Iraq	2,040	1,472	1,890	3,005	3,804	3,802	3,862	3,968	2.8%	3.6%
Kuwait	1,231	1,651	1,430	1,964	2,128	2,010	2,050	1,986	-3.1%	2.6%
Oman	895	718	745	844	882	806	793	839	5.9%	-0.3%
Qatar	607	697	650	580	576	527	540	535	-0.9%	-0.7%
Saudi Arabia	6,253	7,209	6,644	7,163	7,463	6,968	7,372	7,038	-4.5%	0.6%
Syria	331	208	163	0	0	0	0	0		-100.0%
United Arab Emirates	1,815	2,195	2,104	2,441	2,408	2,379	2,296	2,414	5.1%	1.5%
Yemen	368	296	183	9	0	0	0	0		-100.0%

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries^(*)Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa										
Algeria	462	968	709	642	668	633	571	584	2.3%	1.2%
Angola	749	947	1,711	1,711	1,670	1,577	1,421	1,319	-7.2%	3.0%
Cameroon	113	82	56	84	83	69	62	59	-4.5%	-3.3%
Chad	0	174	122	111	103	104	101	116	15.6%	
Congo	272	235	288	227	254	261	307	309	0.7%	0.7%
Côte d'Ivoire	7	40	38	27	30	37	31	48	55.3%	10.9%
Dem. Rep. Congo	24	25	22	21	20	24	27	18	-32.7%	-1.5%
Egypt	197	41	188	247	227	191	269	211	-21.6%	0.4%
Equatorial Guinea	91	275	206	182	158	125	121	110	-8.9%	1.0%
Gabon	300	249	225	206	205	188	174	207	18.9%	-1.9%
Ghana	0	0	0	104	85	163	158	165	4.7%	
Libya	1,005	1,306	1,299	288	350	792	999	1,036	3.7%	0.2%
Mauritania	0	0	8	5	6	3	3	0	-100.0%	
Mozambique	0	0	1	0	0	0	0	0		
Nigeria	1,986	2,326	2,464	2,114	1,738	1,811	1,979	2,008	1.5%	0.1%
South Africa	4	0	0	0	0	0	0	0		-100.0%
Sudan	132	236	387	12	7	6	7	7	0.0%	-14.4%
Tunisia	61	59	77	38	37	33	28	26	-7.9%	-4.4%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific										
Australia	380	226	311	219	198	178	213	246	16.0%	-2.3%
Brunei	183	198	148	116	105	98	92	107	16.7%	-2.8%
China	207	162	61	57	59	97	53	16	-69.2%	-12.5%
Indonesia	610	433	323	315	344	281	204	71	-65.0%	-10.7%
Malaysia	347	382	345	324	334	301	316	253	-19.9%	-1.7%
Mongolia	0	1	6	22	22	21	17	18	6.1%	27.4%
Myanmar	2	7	0	2	3	5	5	5	0.0%	5.5%
New Zealand	24	12	47	39	30	26	21	22	0.7%	-0.5%
Pakistan	9	0	0	6	4	8	13	13	-2.3%	2.0%
Papua New Guinea	73	47	9	0	0	0	0	0		-100.0%
Philippines	0	15	19	16	15	13	10	10	0.5%	
Singapore	0	3	9	15	15	16	13	13	1.2%	
South Korea	0	0	0	0	0	0	0	0		
Thailand	9	66	29	1	31	33	31	26	-16.5%	5.4%
Vietnam	308	361	161	184	137	136	79	73	-8.3%	-7.3%

(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries^(*)Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas										
Argentina	278	149	56	37	45	29	59	85	44.5%	-6.0%
Barbados	1	1	1	1	1	1	1	1	68.9%	0.7%
Bolivia	4	4	0	1	0	0	0	0		-100.0%
Brazil	19	275	632	737	847	1,042	1,078	1,224	13.5%	24.6%
Canada	1,380	1,578	1,948	3,029	3,104	3,318	3,651	3,778	3.5%	5.4%
Colombia	385	229	470	790	626	630	597	617	3.3%	2.5%
Ecuador	239	344	326	390	370	355	345	349	1.1%	2.0%
Guatemala	19	16	10	9	7	8	6	7	13.1%	-5.1%
Mexico	1,831	2,002	1,446	1,235	1,265	1,252	1,271	1,187	-6.7%	-2.3%
Peru	14	13	19	8	2	2	7	7	10.4%	-3.3%
Suriname	2	0	0	0	0	0	0	0		-100.0%
Trinidad and Tobago	52	72	45	31	28	27	22	48	117.8%	-0.5%
United States	52	34	42	465	593	1,158	2,003	2,912	45.4%	23.6%
Venezuela	2,004	2,198	1,562	1,974	1,835	1,596	1,273	847	-33.5%	-4.4%

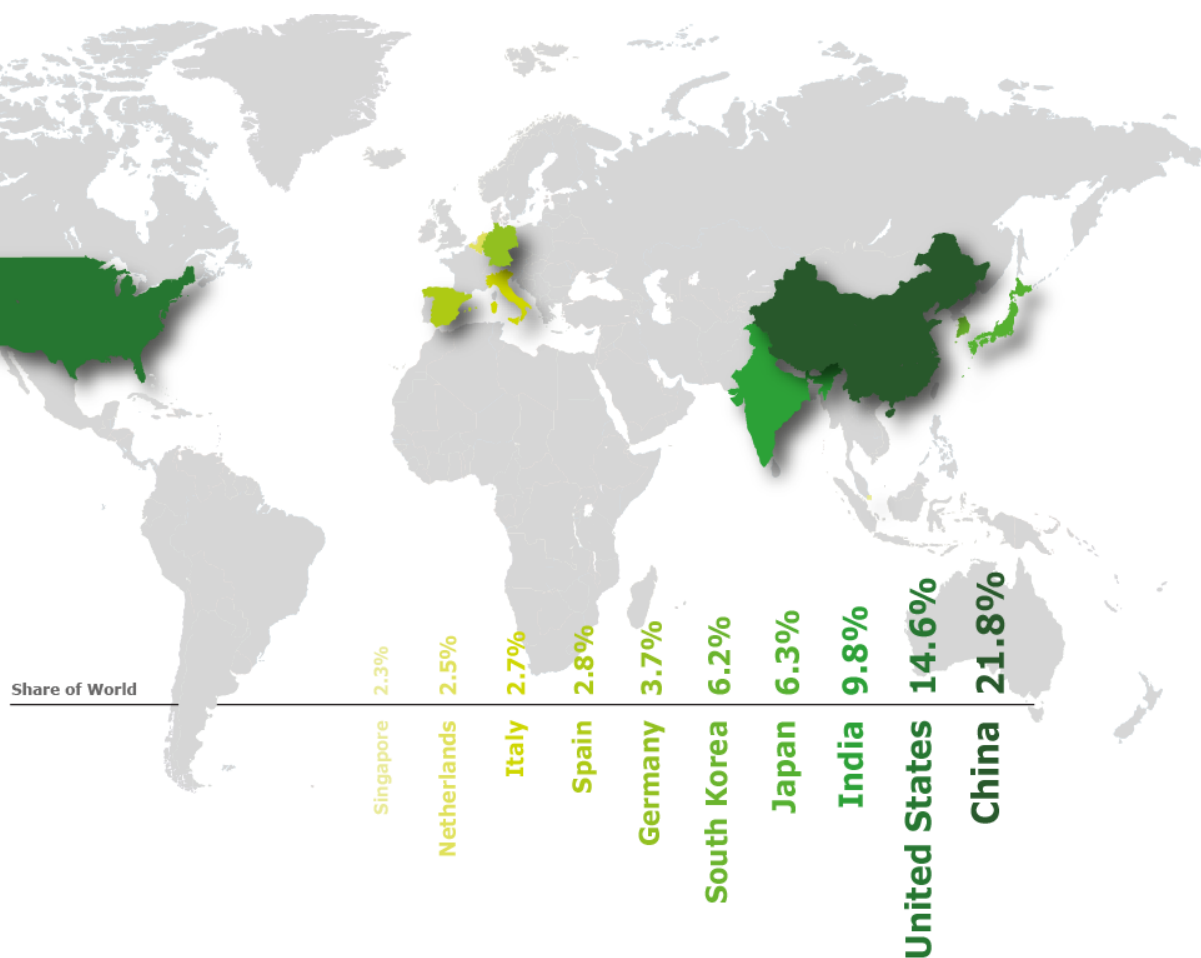
^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

The World Top 10 Importers^(*)

Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
China	1,409	2,543	4,767	6,728	7,641	8,412	9,262	10,142	9.5%	10.9%
United States	9,815	10,921	9,862	7,363	7,872	7,973	7,761	6,788	-12.5%	-1.9%
India	1,510	2,026	3,335	4,135	4,361	4,493	4,620	4,579	-0.9%	6.0%
Japan	4,205	4,173	3,436	3,203	3,137	3,158	2,995	2,953	-1.4%	-1.8%
South Korea	2,437	2,380	2,355	2,755	2,905	3,012	3,006	2,896	-3.6%	0.9%
Germany	2,074	2,246	1,865	1,825	1,825	1,815	1,704	1,721	1.0%	-1.0%
Spain	1,150	1,191	1,049	1,295	1,283	1,319	1,352	1,326	-1.9%	0.8%
Italy	1,673	1,790	1,570	1,251	1,218	1,327	1,241	1,263	1.8%	-1.5%
Netherlands	1,089	1,046	1,023	1,046	1,083	1,081	1,086	1,142	5.1%	0.2%
Singapore	842	1,180	896	976	1,042	1,144	1,117	1,049	-6.1%	1.2%
Rest of the World	13,027	14,255	12,770	12,677	12,542	12,920	12,873	12,734	-1.1%	-0.1%
World	39,231	43,752	42,928	43,253	44,909	46,654	47,016	46,593	-0.9%	0.9%

The World Top 10 (2019)



^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries^(*)Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe										
Austria	143	157	135	162	147	144	167	172	3.1%	1.0%
Belarus	240	386	295	458	363	363	365	360	-1.3%	2.2%
Belgium	678	639	668	642	637	682	660	690	4.5%	0.1%
Bosnia-Herzegovina	11	3	23	19	19	17	14	18	25.4%	2.8%
Bulgaria	106	121	109	122	124	138	118	137	16.3%	1.4%
Croatia	80	81	72	47	51	57	56	37	-32.6%	-3.9%
Cyprus	23	0	0	0	0	0	0	0		-100.0%
Czech Republic	114	155	155	143	107	156	149	155	4.0%	1.6%
Denmark	82	54	54	83	77	96	94	101	6.8%	1.1%
Finland	217	191	215	203	221	237	236	236	0.2%	0.5%
France	1,698	1,685	1,283	1,135	1,085	1,138	1,051	967	-8.0%	-2.9%
Germany	2,074	2,246	1,865	1,825	1,825	1,815	1,704	1,721	1.0%	-1.0%
Greece	387	374	403	442	469	473	487	457	-6.2%	0.9%
Hungary	116	129	115	124	120	119	134	122	-8.5%	0.3%
Ireland	59	65	61	73	64	64	60	52	-13.1%	-0.7%
Italy	1,673	1,790	1,570	1,251	1,218	1,327	1,241	1,263	1.8%	-1.5%
Lithuania	94	107	122	126	126	126	125	193	53.8%	3.9%
Macedonia	16	20	17	0	0	0	0	0		-100.0%
Netherlands	1,089	1,046	1,023	1,046	1,083	1,081	1,086	1,142	5.1%	0.2%
Norway	18	16	11	22	11	36	63	61	-1.8%	6.6%
Poland	360	358	454	530	491	493	537	532	-0.8%	2.1%
Portugal	235	261	220	282	269	284	252	225	-10.8%	-0.2%
Romania	98	179	120	136	154	159	170	178	4.6%	3.2%
Serbia	6	62	38	37	45	50	55	47	-14.0%	11.7%
Slovakia	107	110	109	118	117	112	109	103	-5.4%	-0.2%
Slovenia	2	0	0	0	0	0	0	0		-100.0%
Spain	1,150	1,191	1,049	1,295	1,283	1,319	1,352	1,326	-1.9%	0.8%
Sweden	419	402	397	402	394	397	398	341	-14.4%	-1.1%
Switzerland	92	95	90	56	59	57	60	55	-9.5%	-2.7%
Turkey	433	468	339	501	499	515	419	622	48.2%	1.9%
Ukraine	116	292	155	5	10	18	14	15	2.9%	-10.3%
United Kingdom	845	1,044	953	847	792	885	883	902	2.1%	0.3%
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)

Russia and Central Asia										
Russia	119	49	0	58	0	0	0	0		-100.0%
Azerbaijan	0	0	0	0	0	1	0	0		
Georgia	0	0	0	3	1	1	0	0	-100.0%	
Kazakhstan	20	75	120	1	0	1	1	1	6.3%	-16.3%
Kyrgyzstan	0	0	0	4	5	6	8	8	0.0%	16.5%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East										
Bahrain	71	80	85	66	58	67	69	67	-3.0%	-0.3%
Iran	12	43	13	0	0	0	0	0		-100.0%
Israel	211	204	221	234	207	234	231	247	7.0%	0.8%
Jordan	74	90	68	68	58	56	47	47	-0.7%	-2.4%
Syria	0	0	0	110	102	98	91	90	-1.0%	
Yemen	16	0	0	0	0	0	0	0		-100.0%

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries(*)

Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa										
Algeria	6	6	6	6	5	5	5	3	-37.1%	-3.0%
Cameroon	31	30	34	28	27	22	20	19	-4.5%	-2.5%
Côte d'Ivoire	59	76	59	62	34	48	47	55	17.1%	-0.4%
Egypt	0	50	73	64	119	125	204	173	-14.9%	
Ghana	26	39	33	6	29	5	4	4	4.7%	-9.2%
Kenya	49	35	31	14	15	16	16	16	-1.4%	-5.7%
Madagascar	9	10	0	0	0	0	0	0		-100.0%
Morocco	143	144	109	56	0	0	0	0		-100.0%
Senegal	18	20	13	22	23	25	21	21	1.4%	0.9%
Sierra Leone	4	3	3	4	4	4	4	0	-100.0%	-100.0%
Somalia	2	0	0	0	0	0	0	0		-100.0%
South Africa	393	405	385	364	366	349	379	394	3.9%	0.0%
Sudan	0	0	0	6	18	14	23	23	0.0%	
Tunisia	24	23	4	19	19	13	11	9	-19.5%	-5.3%
Zambia	1	8	13	13	10	10	12	12	-3.0%	17.5%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific										
Australia	372	379	469	315	330	331	357	325	-8.9%	-0.7%
Bangladesh	26	22	26	22	27	24	22	24	8.9%	-0.5%
China	1,409	2,543	4,767	6,728	7,641	8,412	9,262	10,142	9.5%	10.9%
India	1,510	2,026	3,335	4,135	4,361	4,493	4,620	4,579	-0.9%	6.0%
Indonesia	224	332	284	384	415	396	316	208	-34.3%	-0.4%
Japan	4,205	4,173	3,436	3,203	3,137	3,158	2,995	2,953	-1.4%	-1.8%
Malaysia	148	164	159	171	222	207	203	259	27.8%	3.0%
Myanmar	13	0	0	0	0	0	0	0		-100.0%
New Zealand	90	90	98	102	106	110	99	103	3.7%	0.7%
North Korea	8	10	11	11	11	11	11	11	3.3%	1.8%
Pakistan	144	176	136	177	177	211	226	228	0.9%	2.5%
Papua New Guinea	0	18	20	13	27	28	26	30	13.3%	
Philippines	314	215	184	213	215	211	233	230	-1.2%	-1.6%
Singapore	842	1,180	896	976	1,042	1,144	1,117	1,049	-6.1%	1.2%
South Korea	2,437	2,380	2,355	2,755	2,905	3,012	3,006	2,896	-3.6%	0.9%
Sri-lanka	47	40	36	34	34	30	32	32	1.4%	-2.0%
Taiwan	743	1,045	876	841	859	853	880	889	1.0%	0.9%
Thailand	676	828	849	891	878	927	980	888	-9.4%	1.4%
Vietnam	0	0	0	4	9	24	39	2	-96.1%	

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Countries^(*)Crude and non conventional oil
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas										
Argentina	26	4	0	16	15	22	10	13	24.0%	-3.9%
Brazil	398	343	339	298	155	145	186	189	1.7%	-3.8%
Canada	912	928	770	570	806	822	759	784	3.3%	-0.8%
Chile	193	204	158	169	169	175	171	183	7.0%	-0.3%
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	89	78	66	60	52	50	-5.0%	2.9%
Dominican Republic	41	42	27	16	23	20	25	25	0.0%	-2.6%
El Salvador	19	20	15	0	0	0	0	0		-100.0%
Guatemala	17	5	0	0	0	0	0	0		-100.0%
Jamaica	21	9	23	24	24	20	21	21	-1.7%	0.0%
Mexico	0	0	0	0	0	0	4	0	-98.4%	
Nicaragua	16	15	15	15	12	14	13	13	0.1%	-1.2%
Netherland Antilles	222	232	89	185	162	136	118	118	-0.1%	-3.3%
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	87	107	128	115	100	-13.2%	2.5%
Trinidad and Tobago	97	92	68	78	101	88	63	3	-95.4%	-16.9%
United States	9,815	10,921	9,862	7,363	7,872	7,973	7,761	6,788	-12.5%	-1.9%
Uruguay	35	41	39	40	41	10	43	43	-0.1%	1.1%

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2020) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Crude Future Prices and Open Interests(*)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Crude Future Prices										
(US\$/barrel)										
ICE Brent	28.5	55.3	80.3	53.6	45.1	54.7	71.7	64.2	-10.5%	4.4%
CME WTI	30.3	56.7	79.6	48.8	43.5	50.9	64.9	57.0	-12.1%	3.4%
Total Open Interests										
(no. contracts - daily totals)										
ICE Brent	267,667	350,337	813,445	1,922,243	2,195,065	2,401,096	2,369,529	2,379,096	0.4%	12.2%
CME WTI	469,685	819,675	1,341,531	1,679,710	1,818,925	2,282,425	2,378,026	2,077,109	-12.7%	8.1%

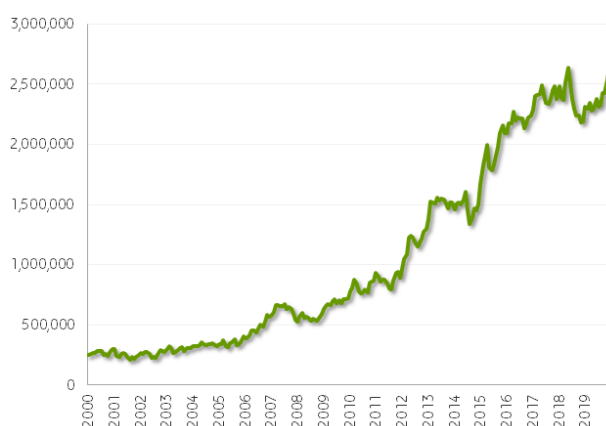
ICE Brent Price 1 Month(*) (US\$/barrel)



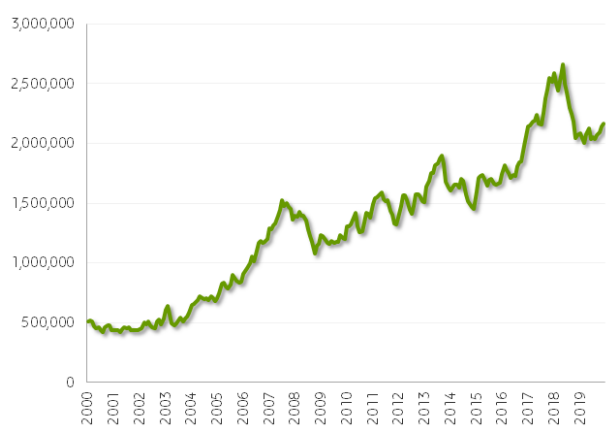
WTI vs Brent 1 Month Differential(*) (US\$/barrel)



ICE Brent Total Open Interests(*) (no. contracts - daily totals)



CME WTI Total Open Interests(*) (no. contracts - daily totals)



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

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

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
World (A)	68,239	74,746	74,790	80,852	80,639	80,685	82,470	81,971		
Ultra Light	1,211	1,840	2,158	2,888	2,859	2,816	2,869	2,950	1.8%	3.6%
Light & Sweet	14,960	13,771	13,652	14,904	14,182	15,108	17,134	18,341	21.9%	22.4%
Light & Medium Sour	2,675	2,948	3,975	4,086	3,906	4,126	4,159	4,224	3.9%	5.2%
Light & Sour	2,430	2,360	2,179	2,488	2,539	2,613	2,738	2,777	3.6%	3.4%
Medium & Sweet	6,965	8,528	8,392	8,894	8,118	8,353	8,000	8,364	10.2%	10.2%
Medium & Medium Sour	2,599	2,742	2,955	3,138	3,209	3,275	3,753	4,026	3.8%	4.9%
Medium & Sour	28,160	31,763	30,851	32,392	34,083	32,930	32,519	30,397	41.3%	37.1%
Heavy & Sweet	1,168	1,373	1,694	1,524	1,513	1,364	1,380	1,489	1.7%	1.8%
Heavy & Medium Sour	1,851	2,168	2,513	2,522	2,337	2,256	2,144	1,746	2.7%	2.1%
Heavy & Sour	5,456	6,454	5,723	7,339	7,275	7,247	7,185	7,061	8.0%	8.6%
Unassigned production: (B)	765	799	698	676	620	598	589	596	1.1%	0.7%
(B/A)	1.1	1.1	0.9	0.8	0.8	0.7	0.7	0.7		

Crude Production by Gravity(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
World	68,239	74,746	74,790	80,852	80,639	80,685	82,470	81,971		
Light	21,275	20,919	21,964	24,367	23,485	24,663	26,900	28,292	31.2%	34.5%
Medium	37,724	43,033	42,198	44,424	45,410	44,558	44,272	42,787	55.3%	52.2%
Heavy	8,474	9,996	9,930	11,385	11,125	10,866	10,709	10,296	12.4%	12.6%
Unassigned production	765	799	698	676	620	598	589	596	1.1%	0.7%

Crude Production by Sulphur Content(*)

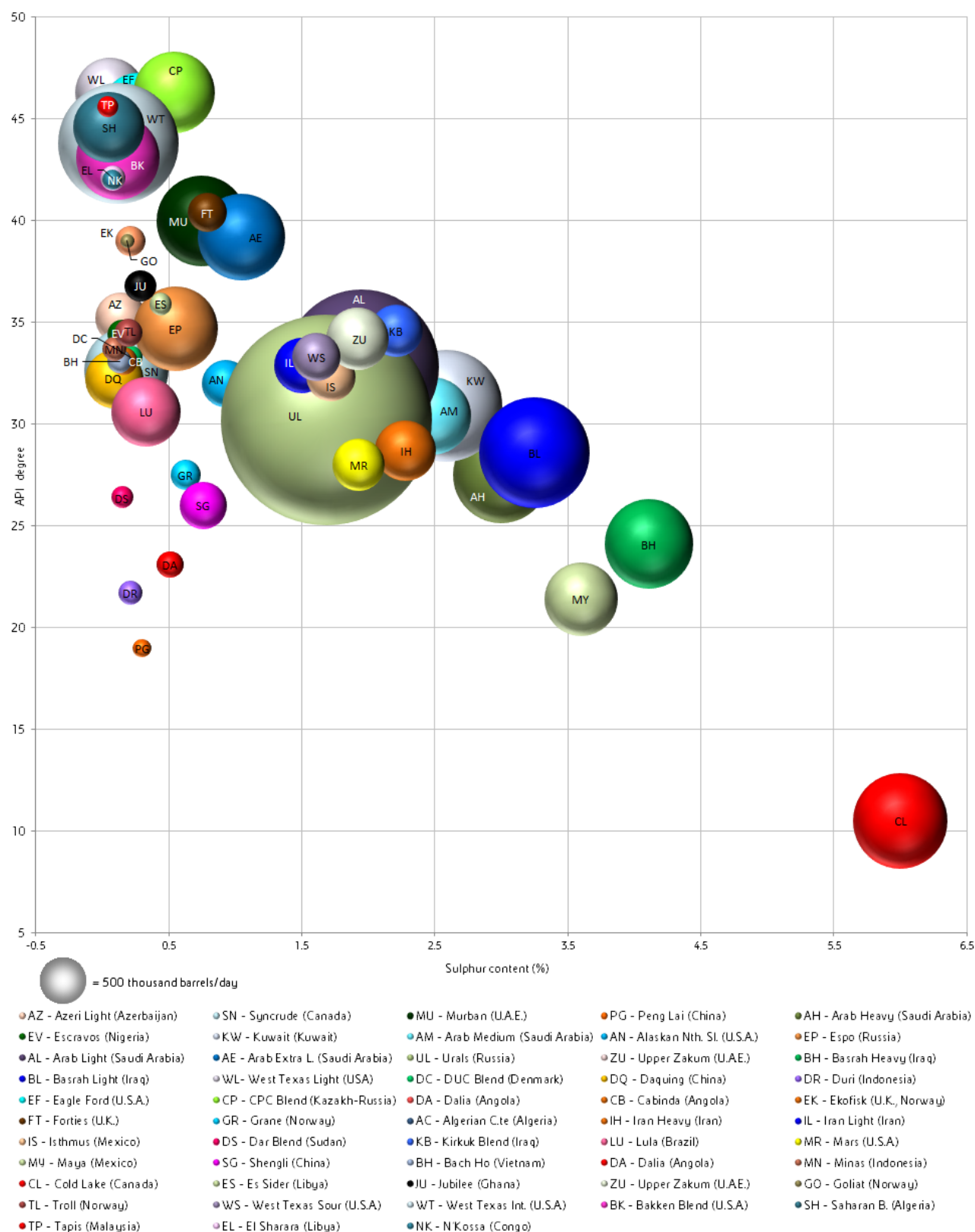
(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
World	68,239	74,746	74,790	80,852	80,639	80,685	82,470	81,971		
Sweet	24,304	25,513	25,896	28,210	26,671	27,641	29,383	31,144	35.6%	38.0%
Medium Sour	7,125	7,858	9,443	9,746	9,452	9,657	10,055	9,996	10.4%	12.2%
Sour	36,045	40,577	38,753	42,220	43,897	42,789	42,443	40,236	52.8%	49.1%
Unassigned production	765	799	698	676	620	598	589	596	1.1%	0.7%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Quality and Production Volume of Main 2019 Crudes^(*)

(thousand barrels/day)



(*) Data source: Eni.

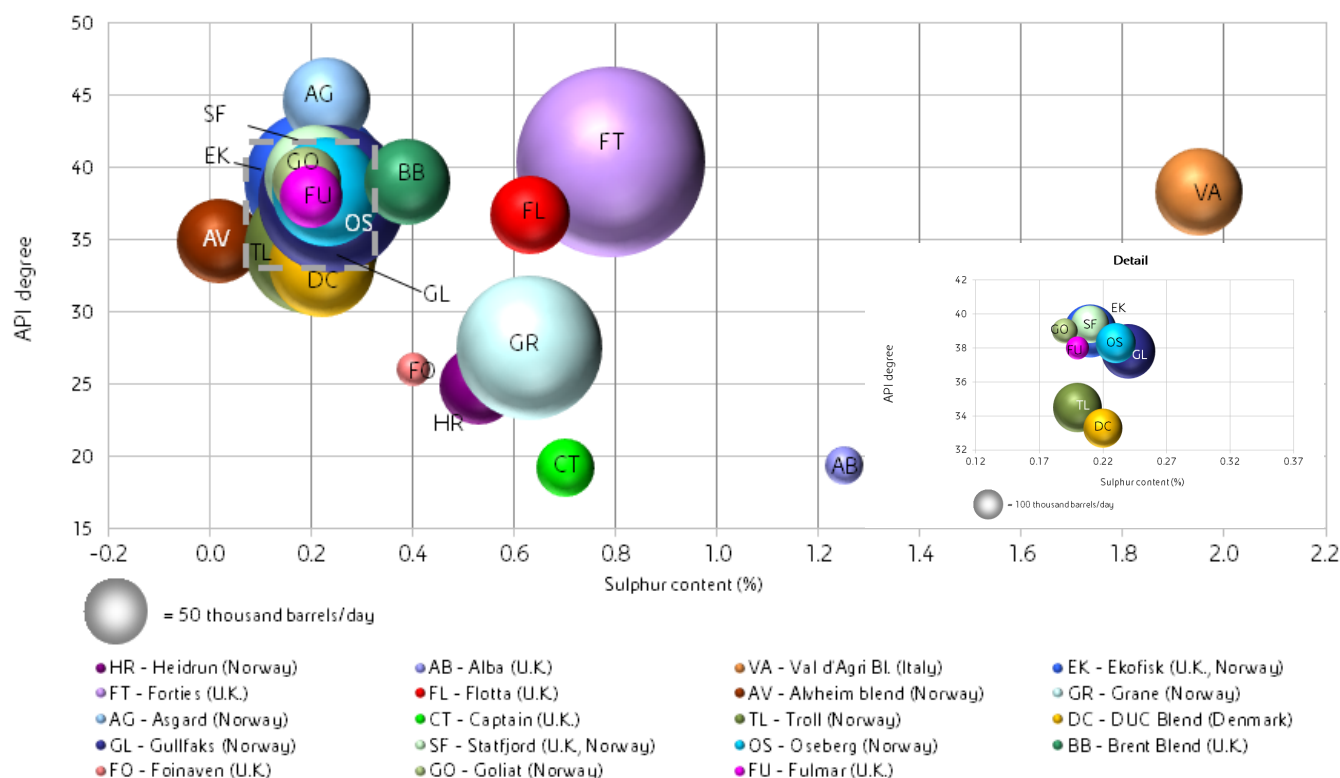
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Europe (A)	6,631	5,313	3,865	3,162	3,173	3,109	3,094	3,000		
Ultra Light	93	139	72	117	113	119	120	108	1.4%	3.6%
Light & Sweet	4,429	3,109	1,667	1,312	1,274	1,108	1,124	1,105	66.8%	36.8%
Light & Medium Sour	0	86	649	512	524	534	504	436		14.5%
Light & Sour	20	89	68	77	51	62	75	64	0.3%	2.1%
Medium & Sweet	1,011	890	553	449	495	487	410	338	15.3%	11.3%
Medium & Medium Sour	124	106	86	79	76	112	124	393	1.9%	13.1%
Medium & Sour	147	1	29	15	6	0	0	0	2.2%	
Heavy & Sweet	17	55	85	39	43	69	122	145	0.3%	4.8%
Heavy & Medium Sour	308	398	276	199	249	293	282	91	4.6%	3.0%
Heavy & Sour	99	79	57	40	39	32	32	26	1.5%	0.9%
Unassigned production (B)	383	362	322	323	304	293	301	294	5.8%	9.8%
(B/A)	5.8	6.8	8.3	10.2	9.6	9.4	9.7	9.8		

Quality and Production Volume of Main Crudes 2019^(**)

(thousand barrels/day)

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Denmark	363	388	255	156	141	137	114	101		
Light & Sweet	132	120	24	9	9	7	5	4	36.4%	4.2%
Medium & Sweet	231	268	231	147	132	130	109	97	63.6%	95.8%
Italy	74	115	96	100	71	78	89	78		
Light & Sweet	31	4	6	1	0	0	0	0	41.3%	0.5%
Light & Sour	20	89	68	77	51	62	75	64	27.6%	82.1%
Medium & Sour	2	1							2.2%	
Heavy & Sour	21	21	21	23	20	16	14	14	29.0%	17.5%
Norway	3,207	2,690	1,871	1,610	1,648	1,617	1,515	1,437		
Ultra Light	93	139	72	117	113	119	120	108	2.9%	7.5%
Light & Sweet	2,386	1,774	1,242	1,031	969	856	809	717	74.4%	49.9%
Light & Medium Sour			31	14	14	11	8	5		0.4%
Medium & Sweet	546	459	275	271	322	326	278	232	17.0%	16.1%
Medium & Medium Sour					0	39	53	323		22.5%
Medium & Sour			29	15	6					
Heavy & Medium Sour	182	318	222	162	225	265	247	52	5.7%	3.6%
Romania	124	106	86	79	75	72	71	70		
Medium & Medium Sour	124	106	86	79	75	72	71	70	100.0%	100.0%
United Kingdom	2,480	1,652	1,235	894	934	912	1,004	1,020		
Light & Sweet	1,881	1,211	395	271	296	245	309	384	75.8%	37.7%
Light & Medium Sour		86	618	499	510	523	496	431		42.3%
Medium & Sweet	234	163	47	31	41	30	24	9	9.4%	0.9%
Medium & Sour	146								5.9%	
Heavy & Sweet	17	55	85	39	43	69	122	145	0.7%	14.2%
Heavy & Medium Sour	126	80	54	36	24	29	36	39	5.1%	3.8%
Heavy & Sour	78	58	36	18	19	16	18	12	3.1%	1.2%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

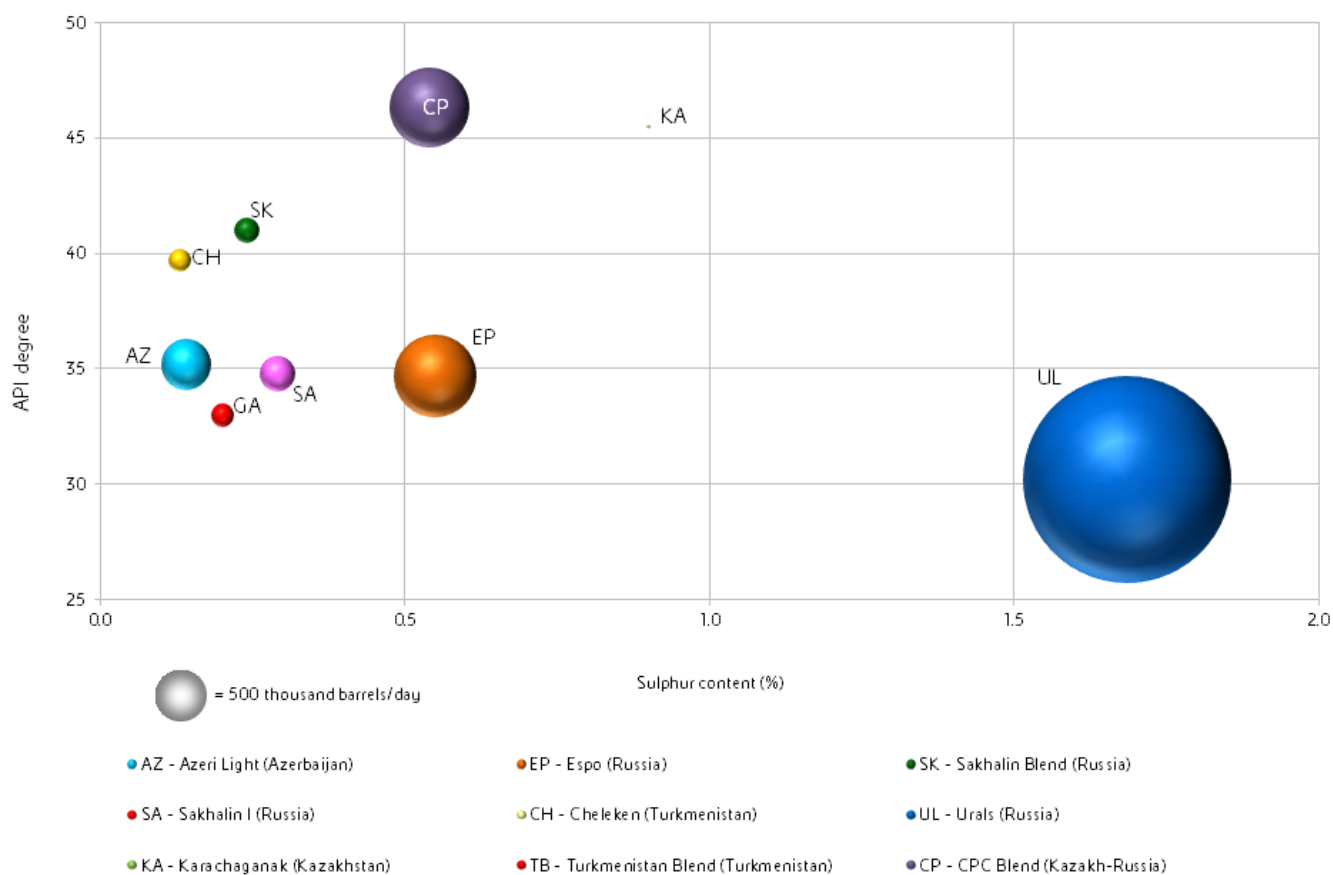
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Russia and Central Asia (A)	7,803	11,553	13,162	13,583	13,754	13,882	14,143	14,212		
Ultra Light	10	222	225	243	246	265	260	241	0.1%	1.7%
Light & Sweet	297	284	1,570	1,037	1,032	991	991	960	3.8%	6.8%
Light & Medium Sour	723	1,201	1,369	1,554	1,496	1,695	1,814	1,872	9.3%	13.2%
Light & Sour	42	46	30	13	15	12	19		0.5%	
Medium & Sweet	290	513	281	360	344	336	380	408	3.7%	2.9%
Medium & Medium Sour			318	1,069	1,104	1,164	1,373	1,463		10.3%
Medium & Sour	6,438	9,284	9,367	9,305	9,516	9,419	9,305	9,268	82.5%	65.2%
Heavy & Sweet										
Heavy & Medium Sour										
Heavy & Sour										
Unassigned production (B)	4	3	2	2	1	1	1	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 2019^(**)

(thousand barrels/day)



^(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

^(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Russia	6,477	9,491	10,139	10,719	10,964	10,980	11,161	11,251		
Light & Sweet	148	139	267	109	118	126	124	121	2.3%	1.1%
Light & Medium Sour		130	136	103	76	120	147	160		1.4%
Medium & Sweet			96	172	183	186	236	260		2.3%
Medium & Medium Sour			318	1,069	1,104	1,164	1,373	1,463		13.0%
Medium & Sour	6,329	9,222	9,322	9,266	9,483	9,384	9,281	9,247	97.7%	82.2%
Azerbaijan	281	448	1,041	848	828	783	792	764		
Light & Sweet	149	145	1,012	820	803	758	766	739	53.0%	96.7%
Medium & Sweet	132	303	29	28	26	25	26	26	47.0%	3.3%
Kazakhstan	733	1,293	1,694	1,694	1,666	1,840	1,927	1,933		
Ultra Light	10	222	225	243	246	265	260	241	1.3%	12.4%
Light & Sweet			236							
Light & Medium Sour	723	1,071	1,233	1,451	1,420	1,575	1,667	1,692	98.7%	87.6%
Turkmenistan	158	210	211	268	247	232	219	223		
Light & Sweet			55	108	112	107	100	100		45.0%
Medium & Sweet	158	210	156	160	135	125	119	123	100.0%	55.0%
Uzbekistan	150	108	75	52	48	46	43	40		
Light & Medium Sour								19		48.0%
Light & Sour	42	46	30	13	15	12	19		27.8%	
Medium & Sour	108	62	45	39	33	34	24	21	72.2%	52.0%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

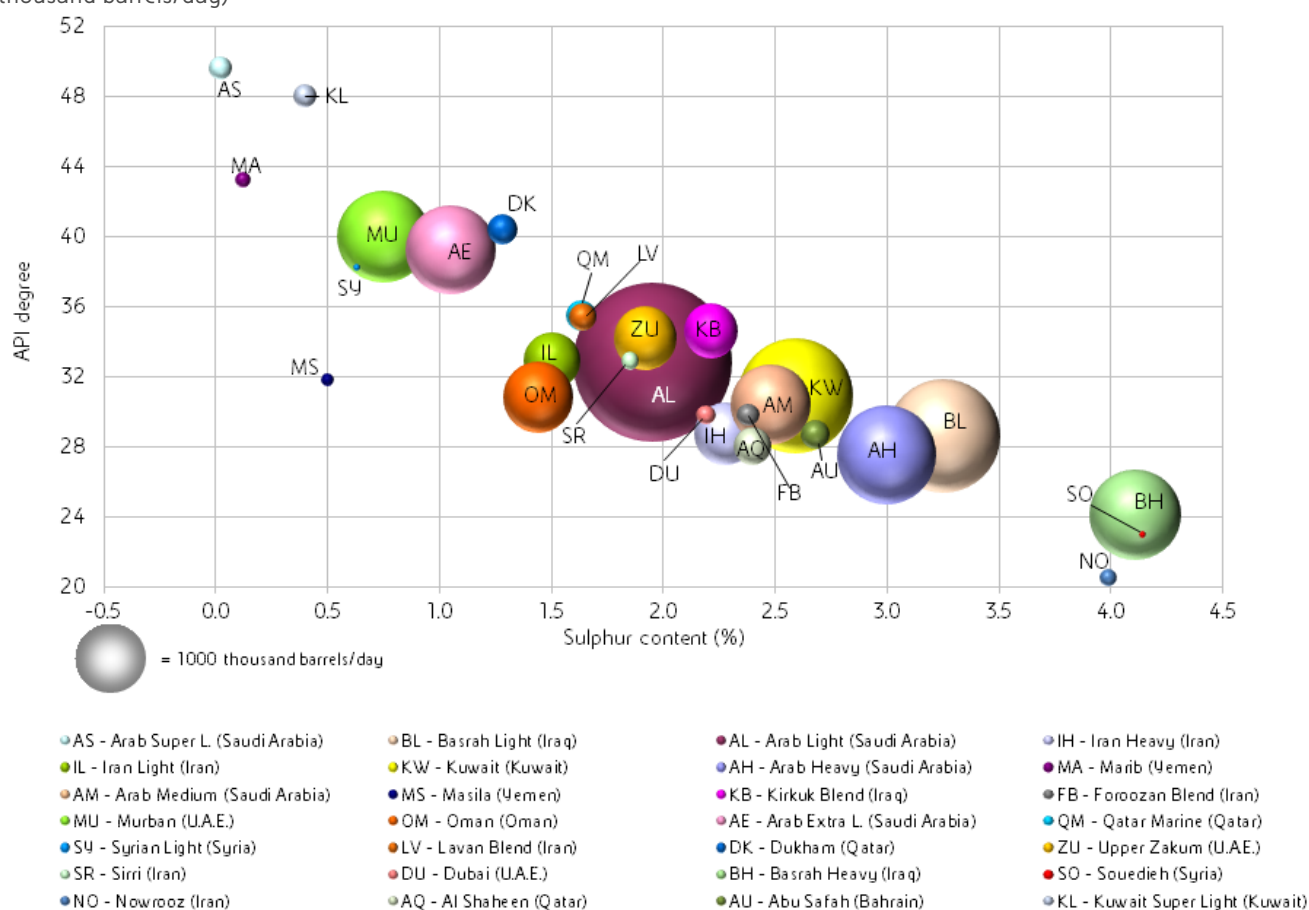
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Middle East	21,626	23,239	22,366	25,464	26,979	26,484	26,843	25,342		
Ultra Light		185	559	770	770	760	760	760		3.0%
Light & Sweet	308	228	132	128	118	110	174	237	1.4%	0.9%
Light & Medium Sour	1,368	1,434	1,509	1,650	1,536	1,581	1,546	1,669	6.3%	6.6%
Light & Sour	2,345	2,206	2,013	2,344	2,451	2,520	2,626	2,689	10.8%	10.6%
Medium & Sweet										
Medium & Medium Sour	302	297	210	16	16	42	63	30	1.4%	0.1%
Medium & Sour	16,839	18,286	17,338	19,115	20,517	19,830	20,001	18,184	77.9%	71.8%
Heavy & Sweet										
Heavy & Medium Sour										
Heavy & Sour	464	603	605	1,441	1,571	1,641	1,672	1,773	2.1%	7.0%

Quality and Production Volume of Main Crudes 2019^(**)

(thousand barrels/day)

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total 2000 2019	
Bahrain	187	187	182	202	202	200	197	197		
Medium & Sour	187	187	182	202	202	200	197	197	100.0%	100.0%
Iran	3,685	3,879	3,705	2,846	3,552	3,812	3,578	2,359		
Light & Sour						126	131	133		5.6%
Medium & Sour	3,685	3,771	3,558	2,728	3,432	3,561	3,317	2,097	100.0%	88.9%
Heavy & Sour		108	147	118	120	125	129	129		5.5%
Iraq	2,567	1,813	2,364	4,002	4,418	4,473	4,568	4,712		
Medium & Sour	2,567	1,813	2,364	2,759	2,980	2,970	3,033	3,076	100.0%	65.3%
Heavy & Sour				1,243	1,438	1,503	1,535	1,636		34.7%
Kuwait	2,046	2,713	2,565	2,823	2,884	2,707	2,745	2,682		
Light & Sweet							57	99		3.7%
Medium & Sour	1,889	2,558	2,425	2,787	2,884	2,707	2,688	2,583	92.3%	96.3%
Heavy & Sour	157	155	140	36					7.7%	
Oman	956	774	865	982	1,004	971	978	971		
Medium & Sour	956	774	865	982	1,004	971	978	971	100.0%	100.0%
Qatar	688	959	1,297	1,421	1,420	1,369	1,367	1,355		
Ultra Light		185	559	770	770	760	760	760		56.1%
Light & Sour	584	556	452	356	354	334	340	330	84.9%	24.4%
Medium & Sour	104	218	286	295	296	275	267	265	15.1%	19.6%
Saudi Arabia	8,278	9,643	8,444	10,196	10,416	9,958	10,326	9,803		
Light & Sweet	162	119	58	116	118	109	111	98	2.0%	1.0%
Light & Sour	1,269	1,110	1,139	1,336	1,397	1,459	1,518	1,557	15.3%	15.9%
Medium & Sour	6,690	8,259	7,107	8,708	8,901	8,391	8,697	8,147	80.8%	83.1%
Heavy & Sour	157	155	140	36					1.9%	
Syria	545	413	350	19	17	17	16	16		
Light & Medium Sour	394	228	172	9	4	3	8	8	72.2%	50.7%
Heavy & Sour	151	185	178	10	13	14	8	8	27.8%	49.3%
United Arab Emirates	2,238	2,458	2,311	2,946	3,050	2,933	2,998	3,177		
Light & Medium Sour	974	1,206	1,337	1,641	1,532	1,578	1,539	1,661	43.5%	52.3%
Light & Sour	492	539	423	652	700	600	636	669	22.0%	21.0%
Medium & Medium Sour	11	6							0.5%	
Medium & Sour	761	706	551	653	818	755	823	848	34.0%	26.7%
Yemen	437	400	284	28	16	44	70	70		
Light & Sweet	146	109	74	12	0	2	7	40	33.5%	57.1%
Medium & Medium Sour	291	291	210	16	16	42	63	30	66.5%	42.9%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

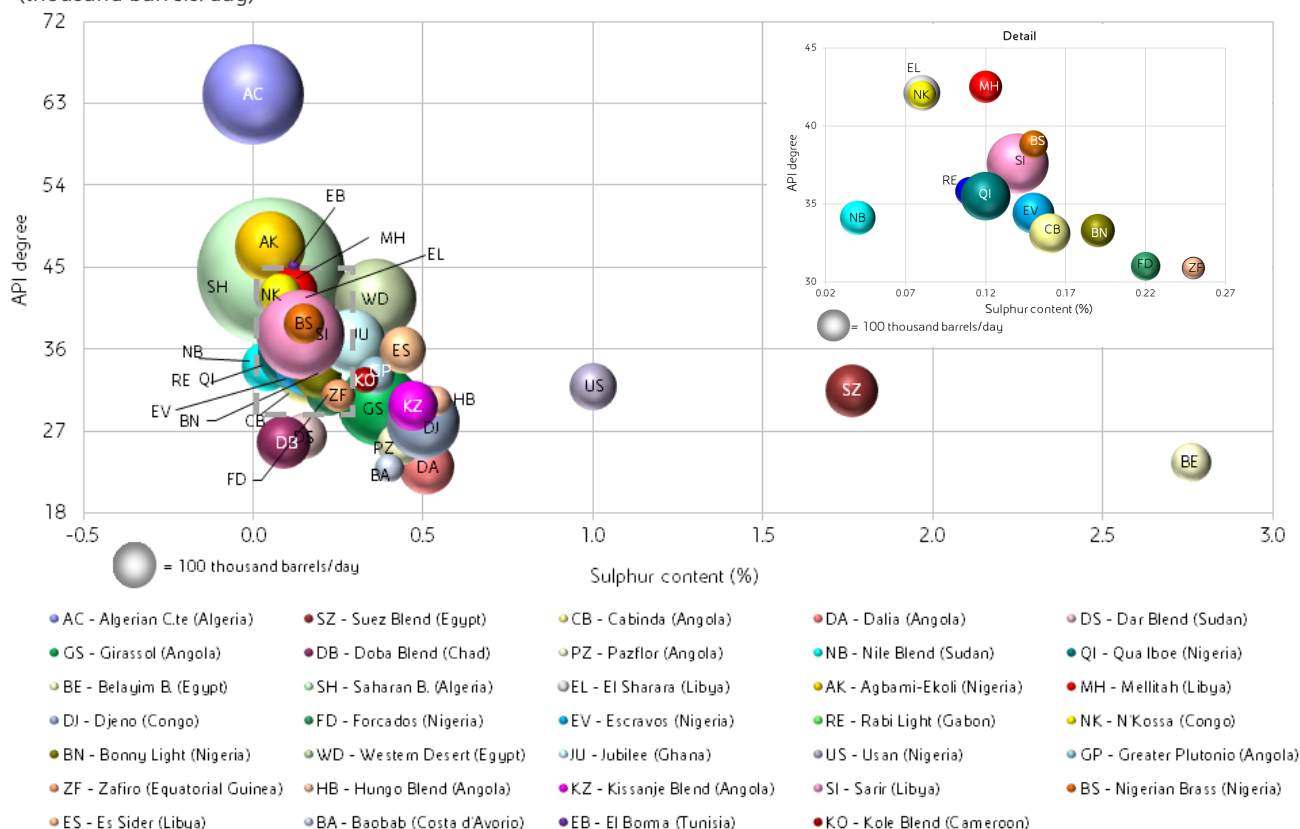
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Africa (A)	7,538	9,573	9,896	8,099	7,556	7,917	8,019	8,156		
Ultra Light	630	603	589	581	584	569	556	552	8.4%	6.8%
Light & Sweet	4,282	4,970	4,920	3,622	3,187	3,882	4,281	4,393	56.8%	53.9%
Light & Medium Sour			77	53	47	46	51	51		0.6%
Light & Sour	23	20	33	23	22	19	18	24	0.3%	0.3%
Medium & Sweet	1,769	2,665	2,643	2,171	1,985	2,057	1,733	1,811	23.5%	22.2%
Medium & Medium Sour	23	293	177	305	295	256	451	417	0.3%	5.1%
Medium & Sour	702	523	517	524	800	508	386	383	9.3%	4.7%
Heavy & Sweet	33	269	478	485	408	275	281	280	0.4%	3.4%
Heavy & Medium Sour	61	56	320	222	205	213	175	143	0.8%	1.7%
Heavy & Sour		159	131	92		72	69	69		0.8%
Unassigned production (B)	16	15	12	23	24	20	17	34	0.2%	0.4%
(B/A)	0.2	0.2	0.1	0.3	0.3	0.3	0.2	0.4		

Quality and Production Volume of Main Crudes 2019^(**)

(thousand barrels/day)

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2016	2017	2018	2019	Share of total	
								2000	2019
Algeria	1,436	1,931	1,720	1,604	1,530	1,512	1,490		
Ultra Light	630	603	515	494	483	470	466	43.9%	31.3%
Light & Sweet	806	1,328	1,205	1,110	1,047	1,042	1,024	56.1%	68.7%
Angola	745	1,228	1,750	1,708	1,642	1,491	1,389		
Light & Sweet	355	280	356	245	203	169	143	47.7%	10.3%
Medium & Sweet	329	657	909	876	909	888	894	44.1%	64.4%
Medium & Medium Sour		235	165	252	214	170	126		9.1%
Heavy & Sweet				129	104	89	83		6.0%
Heavy & Medium Sour	61	56	320	205	213	175	143	8.2%	10.3%
Cameroon	114	89	64	92	75	67	64		
Medium & Sweet	81	57	36	54	42	33	30	70.8%	47.5%
Heavy & Sweet	33	32	28	38	33	34	34	29.2%	52.5%
Chad		170	120	129	112	128	128		
Heavy & Sweet		170	120	129	112	128	128		100.0%
Congo	256	239	306	210	259	324	332		
Light & Sweet	131	121	89	62	74	87	84	51.2%	25.3%
Medium & Sweet	125	118	217	148	185			48.8%	
Medium & Medium Sour						237	248		74.7%
Cote d'Ivoire	7	40	39	32	40	41	48		
Medium & Sweet	7	25	16	14	13	11	13	100.0%	26.1%
Heavy & Sweet		15	23	18	27	30	35		73.9%
Dem. Rep. Congo	23	25	25	21	20	19	18		
Medium & Sweet	23	25	25	21	20	19	18	100.0%	100.0%
Egypt	689	618	664	629	605	617	600		
Light & Sweet	120	153	203		200	318	304	17.4%	50.7%
Medium & Sour	569	306	330	629	333	230	227	82.6%	37.9%
Heavy & Sour		159	131		72	69	69		11.4%
Equatoria Guinea	145	380	311	232	211	208	196		
Ultra Light			74	90	86	86	86		43.9%
Light & Sweet	12	75						8.3%	
Medium & Sweet	128	263	237	102	86	80	69	88.3%	35.0%
Medium & Medium Sour	5	42		40	39	42	41	3.4%	21.1%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2016	2017	2018	2019	Share of total	
								2000	2019
Gabon	276	270	249	227	200	190	212		
Light & Sweet		78	85				80		37.8%
Medium & Sweet	201	65	50	123	111	106	38	73.0%	17.8%
Medium & Sour	75	127	114	104	89	84	94	27.0%	44.4%
Ghana	7	6	7	92	167	190	199		
Light & Sweet	7	6	7	92	167	190	199	100.0%	100.0%
Libya	1,411	1,640	1,550	391	827	971	1,087		
Light & Sweet	1,353	1,550	1,400	282	700	852	978	95.9%	90.0%
Light & Medium Sour			77	47	46	51	51		4.7%
Medium & Sour	58	90	73	63	81	68	58	4.1%	5.3%
Nigeria	2,160	2,546	2,535	1,921	1,980	2,007	2,112		
Light & Sweet	1,462	1,344	1,541	1,380	1,478	1,610	1,575	67.7%	74.6%
Medium & Sweet	698	1,150	944	541	502	397	537	32.3%	25.4%
Heavy & Sweet		52	50						
Sudan	177	305	465	198	189	199	212		
Medium & Sweet	177	305	208	104	189	199	212	100.0%	100.0%
Heavy & Sweet			257	94					
Tunisia	76	71	79	46	40	38	35		
Light & Sweet	36	35	34	16	14	13	6	47.0%	15.9%
Light & Sour	23	20	33	22	19	18	24	29.7%	69.3%
Medium & Medium Sour	18	16	12	3	2	2	2	23.3%	4.7%
Medium & Sour				5	5	4	4		10.1%

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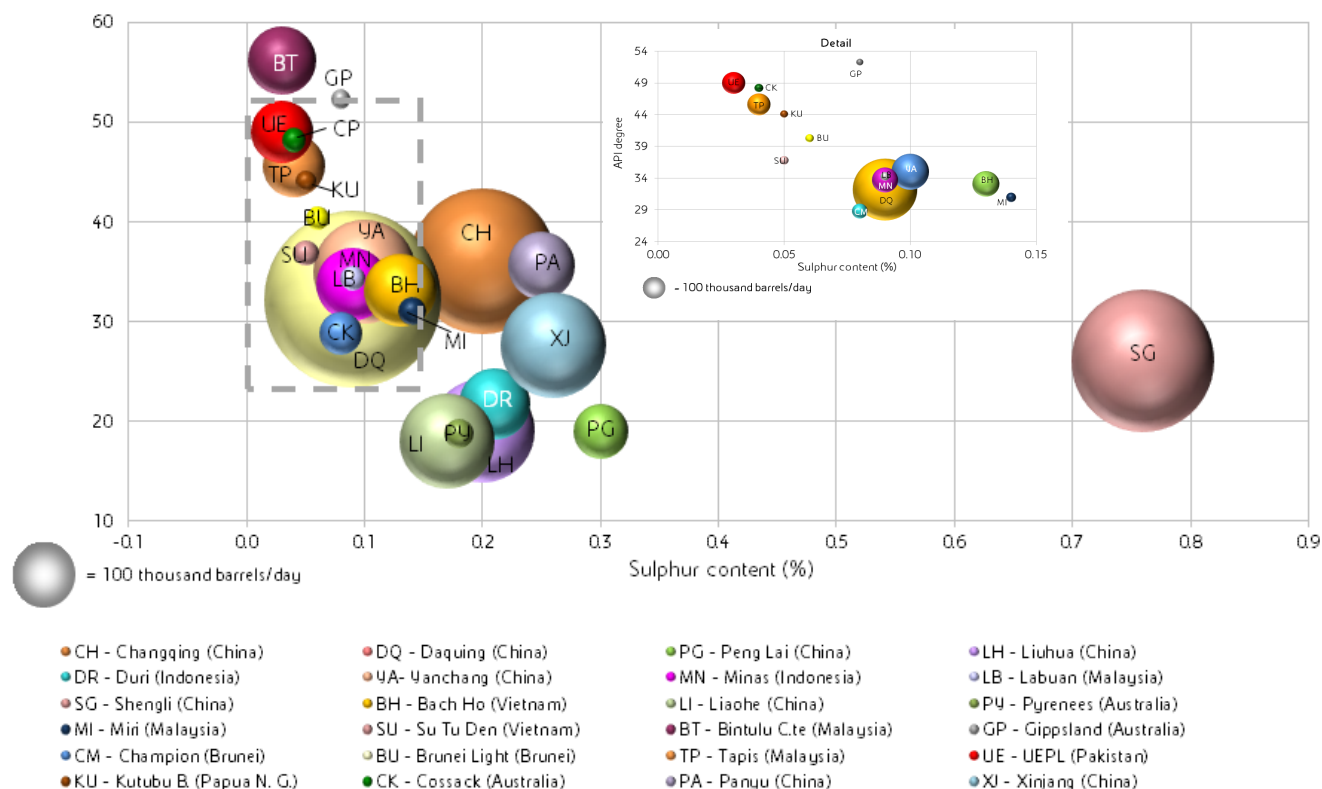
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Asia - Pacific (A)	7,443	7,546	7,843	7,749	7,400	7,136	6,953	6,947		
Ultra Light	414	508	568	544	499	519	582	649	5.6%	9.3%
Light & Sweet	2,608	2,611	2,444	2,229	2,688	2,632	2,621	2,534	35.0%	36.5%
Light & Medium Sour	31	33				24	23	31	0.4%	0.4%
Light & Sour			35	32						
Medium & Sweet	3,010	2,970	3,320	3,564	2,784	2,606	2,415	2,364	40.4%	34.0%
Medium & Medium Sour	517	536	554	547	480	472	471	452	6.9%	6.5%
Medium & Sour	40	44	37	45	71	46	45	46	0.5%	0.7%
Heavy & Sweet	797	784	830	732	821	784	748	819	10.7%	11.8%
Heavy & Medium Sour										
Heavy & Sour										
Unassigned production (B)	25	60	55	58	57	54	50	51	0.3%	0.7%
(B/A)	0.3	0.8	0.7	0.7	0.8	0.8	0.7	0.7		

Quality and Production Volume of Main Crudes 2019^(**)

(thousand barrels/day)



^(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

^(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total 2000 2019	
Australia	721	456	479	322	290	263	284	361		
Ultra Light	114	39	91	140	146	136	185	247	15.7%	68.5%
Light & Sweet	592	417	251	93	72	69	66	70	82.1%	19.4%
Heavy & Sweet	15		137	89	73	59	34	44	2.1%	12.1%
Heavy & Medium Sour										
Brunei	195	206	169	127	121	113	111	121		
Ultra Light	16	18	16	11	12	13	12	11	8.2%	9.1%
Light & Sweet	118	149	118	15	10	49	10	71	60.6%	59.0%
Medium & Sweet	6	3	35	101	99	51	89	39	3.1%	31.9%
Heavy & Sweet	55	36							28.1%	
China	3,214	3,594	4,020	4,222	3,910	3,788	3,716	3,768		
Light & Sweet	170	244	318	273	711	705	812	818	5.3%	21.7%
Light & Medium Sour	31	33				24	23	31	1.0%	0.8%
Light & Sour			35	32						
Medium & Sweet	2,112	2,293	2,592	2,836	2,025	1,916	1,734	1,758	65.7%	46.7%
Medium & Medium Sour	517	536	554	547	480	472	471	452	16.1%	12.0%
Medium & Sour	40	44	37	45	71	46	45	46	1.2%	1.2%
Heavy & Sweet	345	444	484	491	623	625	631	663	10.7%	17.6%
East Timor		100	88	60	49	40	33	28		
Ultra light		100	88	60	49	40	33	28		100.0%
India	659	663	755	764	737	735	710	668		
Light & Sweet	553	569	657	676	651	645	620	583	83.9%	87.3%
Medium & Sweet	40	27	95	87	85	89	89	84	6.1%	12.6%
Heavy & Sweet	66	67	3	1	1	1	1	1	10.1%	0.2%
Indonesia	1,415	1,061	945	776	831	802	770	736		
Ultra Light	157	162	166	126	92	88	106	116	11.1%	15.8%
Light & Sweet	463	341	336	264	293	275	257	176	32.7%	24.0%
Medium & Sweet	479	320	238	235	322	340	325	332	33.9%	45.1%
Heavy & Sweet	316	237	206	150	124	99	82	111	22.3%	15.1%
Malaysia	619	726	638	654	667	660	653	604		
Ultra Light	45	85	98	70	65	106	112	103	7.3%	17.0%
Light & Sweet	467	550	381	503	552	512	505	474	75.5%	78.4%
Medium & Sweet	107	91	159	81	50	42	37	28	17.3%	4.6%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
New Zealand	36	19	55	41	35	31	24	24		
Light & Sweet	36	19	39	29	26	23	18	18	100.0%	75.4%
Medium & Sweet			16	12	9	8	6	6		24.6%
Pakistan	58	66	66	87	88	89	88	86		
Light & Sweet	58	66	66	87	88	89	88	86	100.0%	100.0%
Papua New Guinea	64	54	32	58	56	50	45	51		
Ultra Light	31	35	21	41	41	38	36	42		82.2%
Light & Sweet	33	19	11	17	15	12	9	9	51.6%	17.8%
Thailand	120	183	242	248	258	240	228	228		
Ultra Light	52	70	89	96	95	99	99	102	43.5%	44.9%
Light & Sweet	68	114	153	152	164	141	129	126	56.5%	55.1%
Vietnam	317	358	299	332	301	271	241	221		
Light & Sweet	51	123	114	120	107	112	106	103	16.1%	46.7%
Medium & Sweet	266	235	185	212	194	159	135	118	83.9%	53.3%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

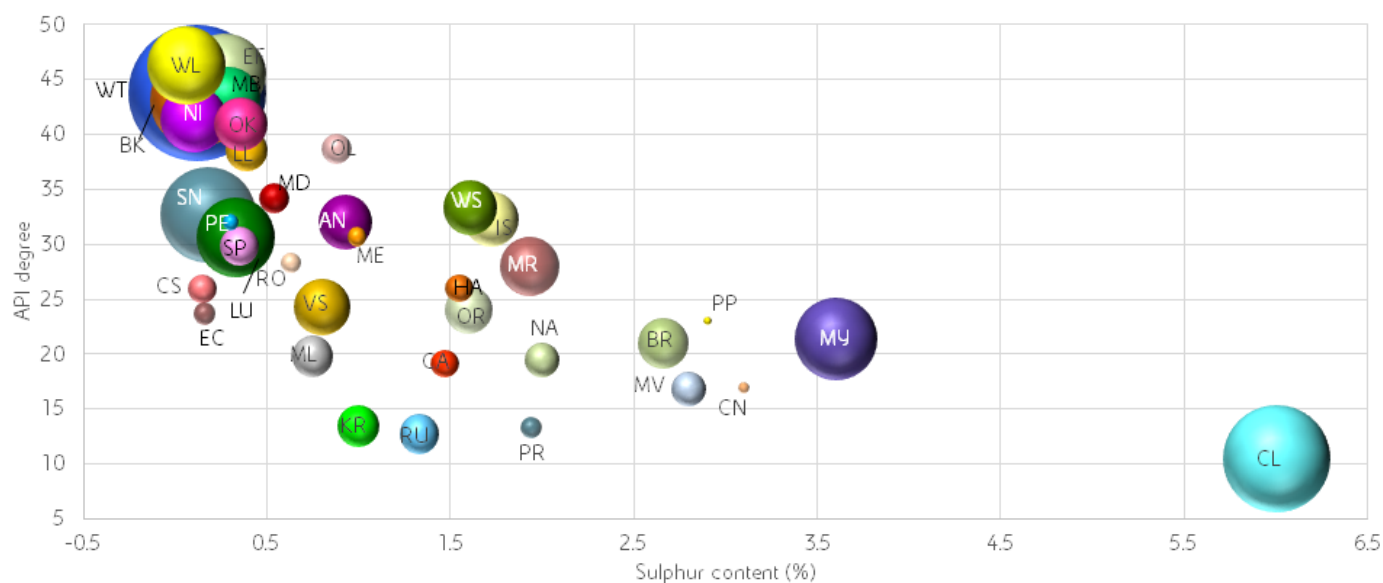
Crude Production by Quality^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2019
Americas (A)	17,198	17,522	17,658	22,795	21,777	22,157	23,418	24,314		
Ultra Light	64	183	145	633	647	584	592	640	0.4%	2.5%
Light & Sweet	3,036	2,569	2,918	6,577	5,883	6,385	7,943	9,111	17.7%	33.9%
Light & Medium Sour	552	193	370	317	303	246	221	165	3.2%	0.9%
Light & Sour										
Medium & Sweet	885	1,491	1,595	2,350	2,510	2,867	3,062	3,443	5.1%	13.1%
Medium & Medium Sour	1,635	1,509	1,611	1,123	1,239	1,230	1,271	1,271	9.5%	5.4%
Medium & Sour	3,994	3,623	3,563	3,388	3,173	3,127	2,782	2,517	23.2%	11.9%
Heavy & Sweet	320	266	302	269	241	236	230	245	1.9%	1.0%
Heavy & Medium Sour	1,482	1,715	1,917	2,102	1,883	1,750	1,686	1,513	8.6%	7.2%
Heavy & Sour	4,892	5,614	4,930	5,766	5,664	5,501	5,412	5,193	28.4%	23.1%
Unassigned production (B)	337	359	307	270	234	230	220	216	2.0%	0.9%
(B/A)	2.0	2.0	1.7	1.2	1.1	1.0	0.9	0.9		

Quality and Production Volume of Main Crudes 2019^(**)

(thousand barrels/day)



● = 100 thousand barrels/day

- WT - West Texas Int. (U.S.A.) ● AN - Alaskan Nth. SI. (U.S.A.) ● BK - Bakken Blend (U.S.A.) ● BR - Bow River (Canada) ● CA - Castilla (Colombia)
- CL - Cold Lake (Canada) ● CS - Canadon Seco (Argentina) ● EC - Escalante (Argentina) ● EF - Eagle Ford (U.S.A.) ● IS - Isthmus (Mexico)
- SN - Syn crude (Canada) ● LU - Lula (Brazil) ● SP - Sapinhoa (Brazil) ● PE - Petrocedeno (Venezuela) ● KR - Kern River (U.S.A.)
- OR - Oriente (Ecuador) ● HA - Hamaca (Venezuela) ● MB - Mixe d Blend S. (Canada) ● LL - Louisiana Light Sweet (U.S.A.) ● WS - West Texas Sour (U.S.A.)
- MD - Medanito (Argentina) ● ME - Mesa (Venezuela) ● ML - Marlim (Brazil) ● MR - Mars (U.S.A.) ● MV - Merey (Venezuela)
- MY - Maya (Mexico) ● CN - Cerro Negro (Venezuela) ● NA - Napo (Ecuador) ● NI - Niobrara (U.S.A.) ● OK - Oklahoma sweet (U.S.A.)
- OL - Olmeca (Mexico) ● PP - Petrozuata (Venezuela) ● RO - Roncador (Brazil) ● RU - Rubiales (Colombia) ● VS - Vasconia (Colombia)
- PR - Peregrino (Brazil) ● WL - West Texas Light (USA)

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total 2000 2018	
Argentina	801	705	589	532	511	480	489	509		
Ultra light		41	22	21	22	22	23	26		5.1%
Light & Sweet	120	100	85	77	73	69	70	72	15.0%	14.2%
Medium & Sweet				21	27	35	55	89		17.5%
Medium & Medium Sour	360	299	255	209	193	171	155	128	45.0%	25.2%
Heavy & Sweet	320	266	227	204	196	183	187	193	40.0%	38.0%
Brazil	1,231	1,639	2,063	2,451	2,525	2,638	2,599	2,788		
Light & Sweet				6	6	4	4	3		0.1%
Light & Medium Sour	48	49	50	40	37	35	32	33	3.9%	1.2%
Medium & Sweet			0	602	819	1,050	1,177	1,502		53.9%
Medium & Medium Sour	273	319	484	130	158	139	121	219	22.2%	7.8%
Heavy & Sweet			75	64	46	53	43	52		1.9%
Heavy & Medium Sour	910	1,271	1,433	1,528	1,389	1,283	1,148	906	73.9%	32.5%
Heavy & Sour			20	81	71	75	74	73		2.6%
Canada	2,016	2,456	2,851	3,829	3,823	4,151	4,503	4,578		
Light & Sweet	832	729	678	669	574	586	640	635	41.3%	13.9%
Medium & Sweet	336	756	1,048	1,198	1,193	1,333	1,399	1,461	16.7%	31.9%
Medium & Medium Sour				127	169	176	144	133		2.9%
Heavy & Medium Sour						2	62	112		2.4%
Heavy & Sour	849	971	1,125	1,836	1,887	2,054	2,259	2,238	42.1%	48.9%
<i>Memo: Syncrude production is included in Medium & Sweet</i>	336	651	926	1,152	1,152	1,290	1,374	1,443	16.7%	31.1%
<i>Memo: bitumen production is included in Heavy & Sour</i>	288	445	697	1,406	1,485	1,648	1,856	1,837	14.3%	39.7%
Colombia	684	526	786	1,006	898	854	865	886		
Light & Sweet			15	5	5	4	3	2		0.3%
Medium & Sweet	105	74	61	42					15.4%	
Medium & Medium Sour					42	38	36	35		4.0%
Heavy & Medium Sour	573	444	484	574	493	465	476	495	83.7%	55.8%
Heavy & Sour	6	8	226	385	357	347	350	354	0.9%	39.9%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2000	2005	2010	2015	2016	2017	2018	2019	Share of total	
									2000	2018
Ecuador	401	532	466	541	547	531	523	529		
Heavy & Sour	401	532	466	541	547	531	523	529	100.0%	100.0%
Mexico	3,012	3,333	2,577	2,267	2,161	1,955	1,831	1,705		
Light & Medium Sour	504	144	320	277	267	211	189	133	16.7%	7.8%
Medium & Sour	733	802	834	838	788	691	546	475	24.3%	27.9%
Heavy & Sour	1,775	2,387	1,422	1,152	1,107	1,053	1,096	1,097	58.9%	64.3%
United States	5,822	5,184	5,484	9,439	8,839	9,352	10,990	12,229		
Ultra light	21	11	28	519	540	515	560	614	0.4%	5.0%
Light & Sweet	2,084	1,741	2,139	5,821	5,224	5,721	7,226	8,398	35.8%	68.7%
Medium & Sweet	444	505	372	378	372	359	370	356	7.6%	2.9%
Medium & Medium Sour	1,001	891	871	657	677	706	726	700	17.2%	5.7%
Medium & Sour	1,472	1,392	1,500	1,513	1,504	1,545	1,644	1,700	25.3%	13.9%
Heavy & Sour	800	644	574	551	522	506	463	461	13.7%	3.8%
Venezuela	2,894	2,788	2,535	2,460	2,239	1,966	1,398	874		
Ultra light	43	131	96	94	86	48	8		1.5%	
Medium & Sweet		156	114	109	98	91	61	36		4.1%
Medium & Medium Sour							89	56		6.4%
Medium & Sour	1,789	1,430	1,228	1,037	882	891	592	341	61.8%	39.0%
Heavy & Sour	1,062	1,071	1,097	1,220	1,173	936	647	441	36.7%	50.5%

(*) Data source: Eni's elaborations on IEA (2020) *Monthly Oil Data Services* data. All rights reserved.

Oil – Refining Industry

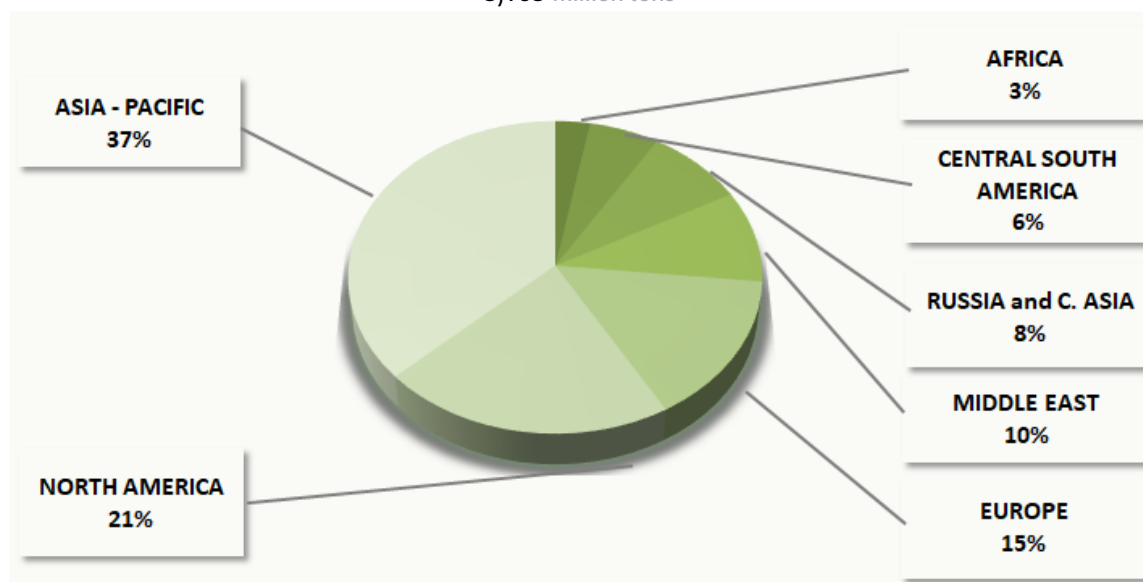
Refining Capacity

Areas and Aggregates^(*)

	2000						2010					
	Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio FCC eqv. (%)	NCI	Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio FCC eqv. (%)	NCI
Europe ^(**)	148	852	17058	268	31%	8.3	128	840	16,812	309	37%	8.9
Russia and Central Asia	58	404	8123	55	14%	5.8	66	378	7,612	66	18%	6.9
Middle East	46	325	6527	52	16%	5.4	58	393	8,003	79	20%	5.8
Africa	47	142	2837	17	12%	4.9	46	159	3,189	28	17%	5.7
Asia - Pacific	235	1113	22297	387	35%	6.9	298	1,486	29,802	788	53%	8.3
Americas	256	1313	26267	790	60%	9.9	242	1,353	27,087	881	65%	10.6
- North America	182	997	19942	662	66%	10.9	167	1,034	20,688	729	70%	11.6
- Central South America	74	316	6325	128	41%	7.1	75	319	6,399	152	48%	7.4
World	790	4,148	83,109	1,569	38%	7.9	838	4,610	92,505	2,152	47%	8.7

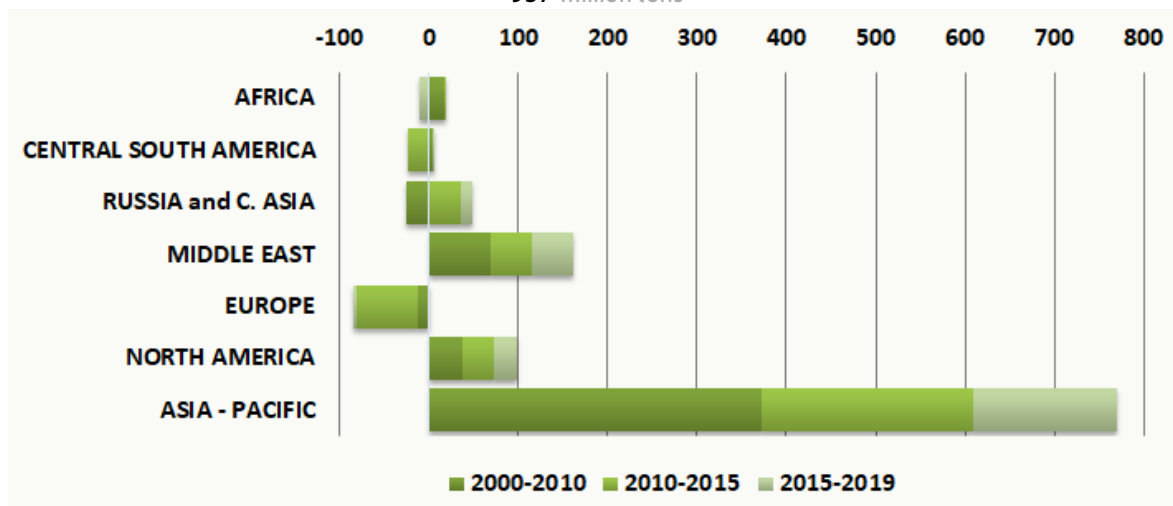
World Primary Capacity (2019)

5,105 million tons



World Primary Capacity Growth (2000-2019)

957 million tons

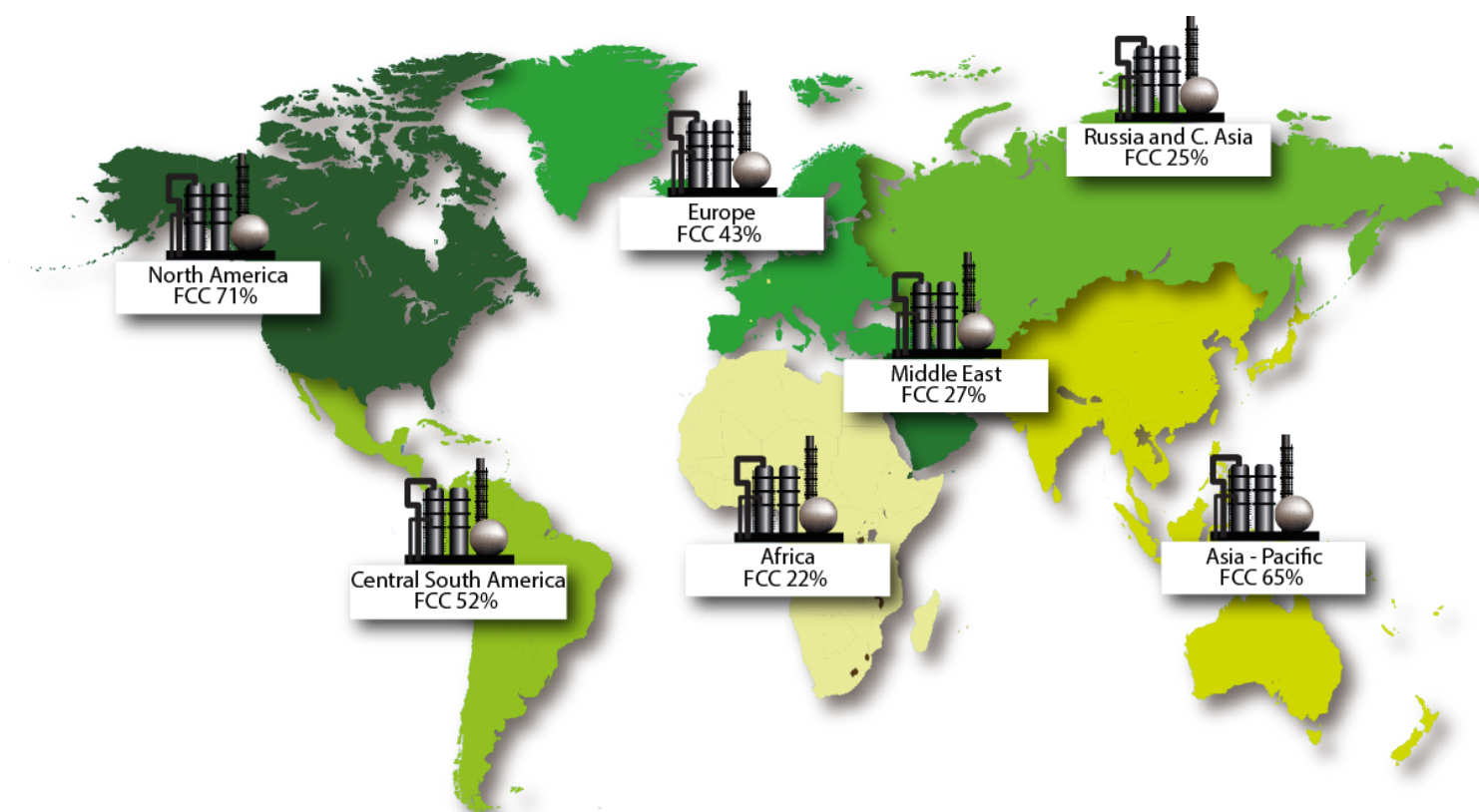


(*) Data source: Eni's calculations on Icis Consulting data.

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

2015						2019						
Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio		Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio		
				FCC eqv. (%)	NCI					FCC eqv. (%)	NCI	
113	772	15,443	313	40%	9.2	109	767	15,347	332	43%	9.3	Europe (**)
70	414	8,350	79	19%	7.0	72	426	8,589	106	25%	7.7	Russia and Central Asia
58	441	8,950	118	27%	6.5	62	486	9,913	132	27%	7.0	Middle East
48	159	3,195	32	20%	6.1	51	149	2,991	33	22%	6.2	Africa
328	1,721	34,539	1,041	60%	9.0	330	1,882	37,823	1,216	65%	9.8	Asia - Pacific
239	1,366	27,354	881	65%	10.6	238	1,395	27,956	940	67%	10.8	Americas
164	1,070	21,421	777	73%	11.8	165	1,096	21,969	781	71%	11.6	North America -
75	296	5,933	145	49%	7.7	73	299	5,987	157	52%	7.9	Central South America -
856	4,873	97,831	2,463	51%	9.1	862	5,105	102,619	2,760	54%	9.5	World

2019 Complexity ratio (FCC eqv. %)



Natural Gas - Supply and Demand

Reserves

Production

Reserves/Production Ratio

Consumption

Per Capita Consumption

Production/Consumption Ratio

Areas and Aggregates^(*)

(billion cubic metres as at 31st December)

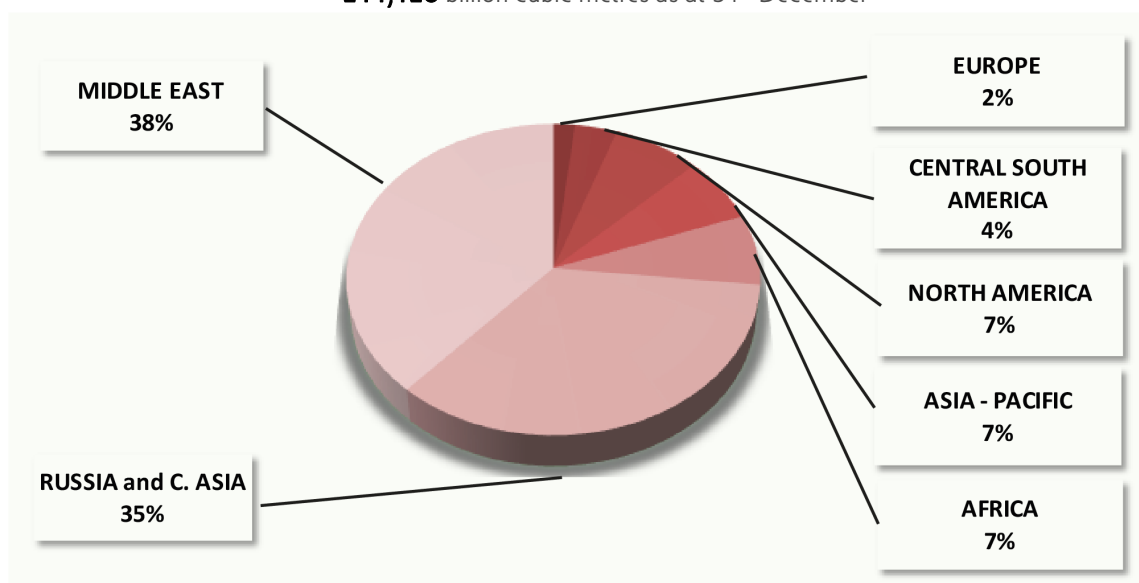
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	8,874	7,103	6,038	4,941	4,691	4,531	3,951	3,829	-3.1%	-4.3%
Russia and Central Asia	50,036	51,087	60,900	73,772	74,162	74,442	73,845	73,910	0.1%	2.1%
Middle East	59,811	72,513	78,964	79,265	80,272	80,178	80,572	81,014	0.5%	1.6%
Africa	12,364	14,161	14,581	14,602	15,042	15,314	15,369	15,439	0.5%	1.2%
Asia - Pacific	11,491	12,978	15,402	15,222	14,808	14,529	14,337	14,240	-0.7%	1.1%
Americas	14,345	14,624	18,450	18,772	19,063	22,223	22,970	22,995	0.1%	2.5%
- North America	6,707	7,419	10,597	10,880	11,216	14,491	15,455	15,508	0.3%	4.5%
- Central South America	7,638	7,205	7,853	7,892	7,847	7,732	7,515	7,487	-0.4%	-0.1%
World	156,920	172,465	194,336	206,576	208,038	211,216	211,044	211,428	0.2%	1.6%
European Union	3,930	2,915	2,266	1,571	1,414	1,328	799	739	-7.5%	-8.4%
MENA	67,162	80,469	87,241	87,426	88,567	88,473	88,867	89,309	0.5%	1.5%
OECD	7,567	5,885	4,919	3,931	3,705	3,572	2,940	2,825	-3.9%	-5.1%
NON OECD	149,353	166,581	189,417	202,645	204,333	207,644	208,104	208,603	0.2%	1.8%
OPEC	58,052	61,146	69,234	70,523	71,783	71,988	72,392	72,864	0.7%	1.2%
NON OPEC	98,868	111,320	125,102	136,052	136,255	139,228	138,652	138,565	-0.1%	1.8%

The World Top 10 Reserves Holders^(*)

(billion cubic metres as at 31st December)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia	43,809	44,860	46,000	50,205	50,617	50,508	49,571	49,154	-0.8%	0.6%
Iran	26,600	27,580	33,090	33,500	33,721	33,810	33,899	33,988	0.3%	1.3%
Qatar	14,443	25,636	25,201	24,299	24,073	23,861	23,846	23,831	-0.1%	2.7%
Turkmenistan	2,601	2,601	11,332	19,486	19,486	19,486	19,486	19,486	0.0%	11.2%
United States	5,024	5,787	8,620	8,709	9,119	12,408	13,447	13,447	0.0%	5.3%
Saudi Arabia	6,301	6,900	8,016	8,588	8,619	8,715	9,069	9,423	3.9%	2.1%
United Arab Emirates	6,060	6,060	6,091	6,091	6,091	6,091	6,091	6,091	0.0%	0.0%
Nigeria	4,106	5,152	5,178	5,284	5,475	5,627	5,675	5,761	1.5%	1.8%
Venezuela	4,152	4,315	5,525	5,702	5,740	5,707	5,674	5,674	0.0%	1.7%
Algeria	4,523	4,504	4,504	4,504	4,504	4,504	4,504	4,504	0.0%	0.0%
The World Top 10	117,619	133,395	153,557	166,368	167,444	170,716	171,262	171,359	0.1%	2.0%
Rest of the World	39,301	39,070	40,779	40,208	40,594	40,500	39,782	40,069	0.7%	0.1%
World	156,920	172,465	194,336	206,576	208,038	211,216	211,044	211,428	0.2%	1.6%

World Natural Gas Reserves (2019)
211,428 billion cubic metres as at 31st December



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

Countries^(*)

(billion cubic metres as at 31st December)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	8,874	7,103	6,038	4,941	4,691	4,531	3,951	3,829	-3.1%	-4.3%
Albania	1	0	0	0	0	0	1	1	0.0%	2.7%
Austria	26	21	15	9	8	8	7	6	-9.5%	-7.2%
Belarus	2	1	1	1	1	1	1	1	0.0%	-7.0%
Bulgaria	6	3	5	4	4	4	4	4	0.0%	-1.9%
Croatia	29	30	25	11	10	9	6	6	-5.6%	-8.1%
Czech Republic	4	3	3	3	3	3	3	3	0.0%	-1.0%
Denmark	144	122	101	80	77	72	69	66	-3.8%	-4.0%
France	8	7	5	9	9	9	9	9	0.0%	0.4%
Germany	264	178	87	46	42	37	30	25	-17.3%	-11.7%
Greece	1	1	1	1	1	1	1	1	0.0%	0.0%
Hungary	32	21	12	9	7	6	7	4	-38.1%	-10.2%
Ireland	34	25	25	30	30	30	29	28	-3.7%	-1.0%
Italy (**)	199	117	66	49	38	45	48	43	-10.3%	-7.7%
Moldova	2	1	1	1	1	1	1	1	0.0%	-7.0%
Netherlands	1,684	1,431	1,236	825	740	695	196	147	-25.0%	-12.0%
Norway	3,841	3,108	2,762	2,461	2,388	2,334	2,226	2,165	-2.7%	-3.0%
Poland	119	106	71	61	58	56	73	85	16.8%	-1.7%
Romania	202	143	110	103	99	92	87	81	-7.0%	-4.7%
Serbia and Montenegro	25	10	8	6	6	6	5	5	-3.8%	-8.1%
Slovakia	7	6	5	5	5	4	4	4	-4.3%	-2.4%
Slovenia	0	0	1	1	1	0	0	0		
Spain	5	3	3	3	3	3	3	3	-1.8%	-2.3%
Turkey	4	8	6	6	6	6	6	6	-1.3%	2.2%
Ukraine	1,040	1,030	969	884	865	846	906	906	0.0%	-0.7%
United Kingdom	1,195	728	520	333	288	263	228	228	0.0%	-8.3%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	50,036	51,087	60,900	73,772	74,162	74,442	73,845	73,910	0.1%	2.1%
Russia	43,809	44,860	46,000	50,205	50,617	50,508	49,571	49,154	-0.8%	0.6%
Azerbaijan	499	499	515	665	665	1,074	1,435	1,917	33.6%	7.3%
Georgia	1	1	1	1	1	1	1	1	0.0%	-3.6%
Kazakhstan	1,389	1,389	1,389	1,830	1,830	1,830	1,830	1,830	0.0%	1.5%
Kyrgyzstan	1	1	1	1	1	1	1	1	0.0%	-3.6%
Tajikistan	1	1	1	1	1	1	1	1	0.0%	-3.6%
Turkmenistan	2,601	2,601	11,332	19,486	19,486	19,486	19,486	19,486	0.0%	11.2%
Uzbekistan	1,735	1,735	1,661	1,585	1,564	1,543	1,522	1,522	0.0%	-0.7%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East	59,811	72,513	78,964	79,265	80,272	80,178	80,572	81,014	0.5%	1.6%
Bahrain	110	110	110	163	224	210	210	193	-8.3%	3.0%
Iran	26,600	27,580	33,090	33,500	33,721	33,810	33,899	33,988	0.3%	1.3%
Iraq	3,109	3,170	3,158	3,158	3,820	3,744	3,729	3,714	-0.4%	0.9%
Israel	45	45	215	206	465	488	497	547	10.2%	14.0%
Jordan	7	6	6	6	6	6	6	6	0.0%	-0.8%
Kuwait	1,557	1,572	1,784	1,784	1,784	1,784	1,784	1,784	0.0%	0.7%
Oman	859	670	520	705	705	705	677	674	-0.5%	-1.3%
Qatar	14,443	25,636	25,201	24,299	24,073	23,861	23,846	23,831	-0.1%	2.7%
Saudi Arabia	6,301	6,900	8,016	8,588	8,619	8,715	9,069	9,423	3.9%	2.1%
Syria	241	285	285	285	285	285	285	285	0.0%	0.9%
United Arab Emirates	6,060	6,060	6,091	6,091	6,091	6,091	6,091	6,091	0.0%	0.0%
Yemen	479	479	488	479	479	479	479	479	0.0%	0.0%

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

(**) Data source: Italian Ministry for Economic Development.

Countries^(*)

(billion cubic metres as at 31st December)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa	12,364	14,161	14,581	14,602	15,042	15,314	15,369	15,439	0.5%	1.2%
Algeria	4,523	4,504	4,504	4,504	4,504	4,504	4,504	4,504	0.0%	0.0%
Angola	269	270	275	316	440	422	383	343	-10.3%	1.3%
Benin	1	1	1	0	0	0	0	0		-100.0%
Cameroon	102	165	155	153	152	151	150	149	-0.5%	2.0%
Chad	0	0	1	1	1	1	1	1	0.0%	
Congo	122	130	182	285	285	285	285	284	-0.2%	4.6%
Côte d'Ivoire	28	31	27	22	21	20	18	18	0.0%	-2.3%
Dem. Rep. Congo	1	1	1	1	1	1	1	1	0.0%	0.0%
Egypt	1,433	1,920	2,210	2,086	2,221	2,221	2,221	2,221	0.0%	2.3%
Equatorial Guinea	17	91	82	54	47	42	42	39	-7.1%	4.5%
Ethiopia	25	25	28	25	25	25	35	35	0.0%	1.8%
Gabon	33	30	28	25	26	26	26	26	0.0%	-1.3%
Ghana	24	24	27	27	27	58	56	55	-2.1%	4.4%
Libya	1,314	1,491	1,495	1,505	1,505	1,505	1,505	1,505	0.0%	0.7%
Madagascar	2	2	2	2	2	2	2	2	0.0%	0.0%
Mauritania	0	0	28	28	28	28	50	50	0.0%	
Morocco	3	3	3	1	1	1	1	1	0.0%	-5.6%
Mozambique	62	61	75	75	75	186	186	186	0.0%	5.9%
Namibia	85	70	70	70	70	70	70	70	0.0%	-1.0%
Nigeria	4,106	5,152	5,178	5,284	5,475	5,627	5,675	5,761	1.5%	1.8%
Senegal	11	11	10	2	2	2	21	52	142.7%	8.5%
Somalia	0	0	0	6	6	6	6	6	0.0%	
South Africa	17	29	12	3	2	3	2	2	-17.4%	-11.1%
Sudan	85	85	85	25	25	25	25	25	0.0%	-6.2%
Tanzania	23	28	37	37	37	40	40	39	-1.6%	2.8%
Tunisia	78	37	65	65	65	64	64	64	0.0%	-1.0%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific	11,491	12,978	15,402	15,222	14,808	14,529	14,337	14,240	-0.7%	1.1%
Afghanistan	100	100	100	99	99	99	99	98	-0.3%	-0.1%
Australia	2,203	2,428	3,759	3,205	3,193	3,193	3,193	3,173	-0.6%	1.9%
Bangladesh	306	407	354	385	365	337	325	312	-4.0%	0.1%
Brunei	366	333	301	258	252	240	246	240	-2.4%	-2.2%
China	1,269	1,690	2,244	2,791	2,838	2,786	2,779	2,834	2.0%	4.3%
India	760	1,101	1,149	1,252	1,227	1,284	1,340	1,381	3.1%	3.2%
Indonesia	2,608	2,659	3,068	2,865	2,841	2,745	2,605	2,605	0.0%	0.0%
Japan	40	39	37	31	29	28	27	26	-4.5%	-2.3%
Malaysia	2,189	2,346	2,334	2,842	2,470	2,346	2,290	2,217	-3.2%	0.1%
Myanmar	287	485	522	282	273	265	256	248	-3.2%	-0.8%
New Zealand	57	62	52	56	50	51	53	54	2.2%	-0.3%
Pakistan	677	712	617	467	479	502	499	446	-10.6%	-2.2%
Papua New Guinea	3	3	263	216	238	226	217	205	-5.4%	24.3%
Philippines	90	82	68	53	51	40	38	35	-7.4%	-4.9%
South Korea	0	3	3	3	3	3	3	3	0.0%	
Taiwan	6	4	4	3	3	3	3	3	0.0%	-4.2%
Thailand	360	304	300	207	193	181	171	171	-0.1%	-3.8%
Vietnam	170	220	228	207	203	199	195	190	-2.5%	0.6%

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

Countries^(*)

(billion cubic metres as at 31st December)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas	14,345	14,624	18,450	18,772	19,063	22,223	22,970	22,995	0.1%	2.5%
Argentina	778	439	359	350	337	355	354	354	0.0%	-4.1%
Barbados	0	2	2	2	0	1	1	1	0.0%	
Bolivia	675	710	281	305	310	303	201	200	-0.5%	-6.2%
Brazil	221	306	417	429	378	370	368	365	-1.1%	2.7%
Canada	1,683	1,632	1,977	2,171	2,097	2,083	2,008	2,061	2.6%	1.1%
Chile	17	13	8	6	5	5	4	4	0.0%	-7.1%
Colombia	129	113	153	123	114	110	107	90	-16.4%	-1.9%
Cuba	18	17	14	9	8	8	8	8	0.0%	-4.2%
Ecuador	10	9	7	11	11	11	11	11	-1.7%	0.4%
Mexico	835	412	353	257	208	199	188	183	-2.8%	-7.7%
Peru	245	338	353	399	456	365	300	300	0.0%	1.1%
Trinidad and Tobago	557	531	381	300	281	298	298	298	0.0%	-3.2%
United States	5,024	5,787	8,620	8,709	9,119	12,408	13,447	13,447	0.0%	5.3%
Venezuela	4,152	4,315	5,525	5,702	5,740	5,707	5,674	5,674	0.0%	1.7%

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

Areas and Aggregates^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	316.81	328.35	314.55	262.80	262.51	265.26	253.18	236.81	-6.5%	-1.5%
Russia and Central Asia	659.65	741.00	778.53	786.77	804.13	859.72	901.78	917.47	1.7%	1.8%
Middle East	191.26	294.94	458.21	575.08	596.43	617.01	635.70	650.02	2.3%	6.7%
Africa	121.48	183.85	202.74	196.21	208.38	227.42	240.91	241.62	0.3%	3.7%
Asia - Pacific	281.09	361.34	472.46	512.88	526.97	551.82	582.27	620.93	6.6%	4.3%
Americas	830.71	849.44	932.12	1,116.01	1,109.59	1,126.61	1,216.05	1,282.68	5.5%	2.3%
- North America	692.35	670.09	725.96	902.28	902.26	922.94	1,016.12	1,087.40	7.0%	2.4%
- Central South America	138.36	179.35	206.16	213.73	207.33	203.68	199.93	195.28	-2.3%	1.8%
World	2,401.00	2,758.91	3,158.61	3,449.75	3,508.02	3,647.84	3,829.90	3,949.53	3.1%	2.7%
European Union	243.98	221.57	185.25	124.83	124.81	119.85	109.23	101.10	-7.4%	-4.5%
MENA	297.11	445.55	615.49	712.26	748.08	778.66	807.02	820.48	1.7%	5.5%
OECD	1,058.84	1,058.11	1,124.30	1,258.23	1,268.28	1,309.22	1,403.16	1,481.76	5.6%	1.8%
NON OECD	1,342.15	1,700.81	2,034.31	2,191.52	2,239.74	2,338.62	2,426.74	2,467.76	1.7%	3.3%
OPEC	266.56	359.19	436.24	514.18	544.96	574.34	589.43	590.94	0.3%	4.3%
NON OPEC	2,134.44	2,399.72	2,722.37	2,935.57	2,963.06	3,073.51	3,240.47	3,358.58	3.6%	2.4%

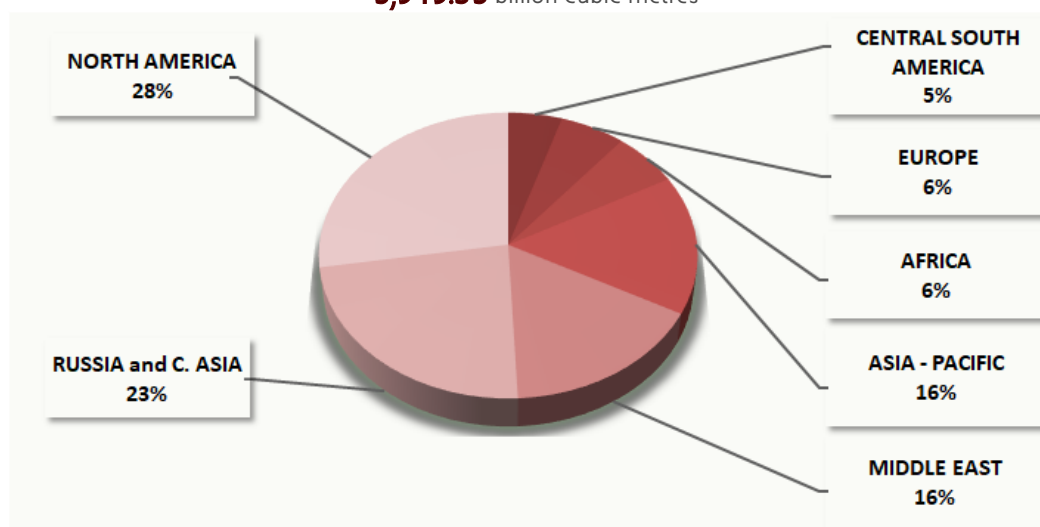
The World Top 10 Producers^(**)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
United States	519.80	490.27	575.44	740.45	729.57	746.27	836.19	913.43	9.2%	3.0%
Russia	547.47	599.92	628.20	609.79	626.16	675.65	705.49	716.76	1.6%	1.4%
Iran	57.98	97.07	141.56	181.12	196.62	212.24	221.63	227.89	2.8%	7.5%
Canada	172.54	179.81	150.52	161.83	172.69	176.67	179.93	173.97	-3.3%	0.0%
Qatar	25.34	46.36	124.79	170.76	172.95	172.33	171.40	173.43	1.2%	10.7%
China	26.47	48.00	93.23	131.01	133.21	144.08	157.37	172.74	9.8%	10.4%
Australia	33.19	36.47	51.73	67.66	80.40	102.67	117.69	142.04	20.7%	8.0%
Norway	53.83	87.27	110.16	119.61	119.02	126.44	123.76	116.94	-5.5%	4.2%
Saudi Arabia	35.80	53.46	69.66	82.89	86.25	90.72	92.00	93.24	1.3%	5.2%
Algeria	81.24	87.94	83.70	83.06	93.69	95.17	96.10	89.53	-6.8%	0.5%
The World Top 10	1,553.65	1,726.58	2,029.00	2,348.19	2,410.56	2,542.25	2,701.56	2,819.98	4.4%	3.2%
Rest of the World	847	1,032	1,130	1,102	1,097	1,106	1,128	1,130	0.1%	1.5%
World	2,401.00	2,758.91	3,158.61	3,449.75	3,508.02	3,647.84	3,829.90	3,949.53	3.1%	2.7%

World Natural Gas Production (2019)

3,949.53 billion cubic metres



^(*) Data source: Eni's calculations. The original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

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Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	316.81	328.35	314.55	262.80	262.51	265.26	253.18	236.81	-6.5%	-1.5%
Albania	0.01	0.01	0.01	0.03	0.04	0.04	0.04	0.04	-2.0%	6.8%
Austria	1.80	1.55	1.62	1.20	1.12	1.21	1.00	0.90	-10.4%	-3.6%
Belarus	0.21	0.19	0.16	0.17	0.16	0.14	0.15	0.15	0.1%	-1.9%
Bulgaria	0.01	0.45	0.07	0.10	0.09	0.08	0.03	0.04	16.6%	5.4%
Croatia	1.58	2.17	2.58	1.71	1.59	1.43	1.18	0.99	-16.4%	-2.4%
Czech Republic	0.20	0.18	0.23	0.24	0.21	0.22	0.21	0.20	-3.9%	0.1%
Denmark	8.62	10.91	8.54	4.82	4.71	5.06	4.31	3.20	-25.7%	-5.1%
France	1.75	1.06	0.75	0.02	0.02	0.02	0.01	0.02	85.2%	-21.7%
Germany	18.38	16.67	12.92	7.37	7.62	7.01	5.48	5.57	1.6%	-6.1%
Greece	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.01	-24.5%	-7.5%
Hungary	2.88	2.71	2.60	1.59	1.66	1.64	1.71	1.53	-10.3%	-3.3%
Ireland	1.11	0.57	0.27	0.13	2.89	3.31	3.20	2.49	-22.0%	4.3%
Italy	15.84	11.50	8.01	6.45	5.51	5.28	5.19	4.57	-11.9%	-6.3%
Netherlands	61.36	65.33	75.27	45.88	44.29	38.53	32.30	28.09	-13.0%	-4.0%
Norway	53.83	87.27	110.16	119.61	119.02	126.44	123.76	116.94	-5.5%	4.2%
Poland	3.85	4.52	4.29	4.28	4.13	4.08	4.03	3.99	-1.2%	0.2%
Romania	12.76	11.28	10.02	10.22	9.05	9.91	9.86	9.65	-2.1%	-1.5%
Serbia	0.73	0.27	0.36	0.53	0.48	0.45	0.42	0.40	-3.8%	-3.1%
Slovakia	0.15	0.15	0.10	0.09	0.09	0.14	0.09	0.12	32.9%	-1.3%
Slovenia	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.01	-56.8%	-0.1%
Spain	0.17	0.17	0.05	0.06	0.06	0.03	0.09	0.14	53.9%	-1.3%
Turkey	0.61	0.86	0.65	0.36	0.35	0.34	0.41	0.45	9.9%	-1.6%
Ukraine	17.45	18.19	17.95	17.26	17.64	17.99	19.17	17.74	-7.5%	0.1%
United Kingdom	113.46	92.34	57.90	40.66	41.74	41.88	40.52	39.59	-2.3%	-5.4%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	659.65	741.00	778.53	786.77	804.13	859.72	901.78	917.47	1.7%	1.8%
Russia	547.47	599.92	628.20	609.79	626.16	675.65	705.49	716.76	1.6%	1.4%
Azerbaijan	5.32	5.40	16.27	18.78	18.28	17.76	18.76	23.94	27.7%	8.2%
Georgia	0.06	0.02	0.01	0.01	0.01	0.01	0.01	0.01	-5.7%	-9.6%
Kazakhstan	8.86	18.41	28.62	27.14	30.93	36.38	39.18	38.32	-2.2%	8.0%
Kyrgyzstan	0.03	0.02	0.02	0.03	0.03	0.02	0.02	0.02	-10.8%	-1.9%
Tajikistan	0.04	0.03	0.02	0.00	0.00	0.00	0.00	0.00	-22.6%	-20.5%
Turkmenistan	44.44	59.68	42.91	79.28	75.56	76.25	79.98	82.10	2.6%	3.3%
Uzbekistan	53.42	57.52	62.48	51.72	53.17	53.65	58.34	56.31	-3.5%	0.3%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East	191.26	294.94	458.21	575.08	596.43	617.01	635.70	650.02	2.3%	6.7%
Bahrain	7.96	9.71	12.29	14.15	13.99	14.01	14.18	16.11	13.6%	3.8%
Iran	57.98	97.07	141.56	181.12	196.62	212.24	221.63	227.89	2.8%	7.5%
Iraq	2.99	1.73	4.87	6.60	7.26	8.25	11.22	11.43	1.9%	7.3%
Israel	0.01	1.53	3.11	6.90	7.68	8.11	8.63	8.74	1.2%	43.5%
Jordan	0.25	0.21	0.16	0.12	0.10	0.10	0.09	0.09	-0.1%	-5.2%
Kuwait	9.12	11.69	11.15	16.06	16.43	16.25	16.85	18.54	10.0%	3.8%
Oman	10.53	20.84	27.64	32.89	33.58	33.72	38.09	38.82	1.9%	7.1%
Qatar	25.34	46.36	124.79	170.76	172.95	172.33	171.40	173.43	1.2%	10.7%
Saudi Arabia	35.80	53.46	69.66	82.89	86.25	90.72	92.00	93.24	1.3%	5.2%
Syria	5.37	5.75	8.43	4.05	3.53	3.49	3.47	3.33	-4.1%	-2.5%
United Arab Emirates	35.91	46.60	48.31	56.69	57.54	57.48	58.04	58.31	0.5%	2.6%
Yemen	0.00	0.00	6.26	2.86	0.50	0.30	0.10	0.10	0.0%	

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Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa	121.48	183.85	202.72	196.21	208.38	227.42	240.91	241.62	0.3%	3.7%
Algeria	81.24	87.94	83.70	83.06	93.69	95.17	96.10	89.53	-6.8%	0.5%
Angola	0.54	0.62	0.70	0.73	1.62	5.51	5.88	6.46	9.8%	13.9%
Cameroon	0.00	0.00	0.30	0.48	0.52	0.58	1.53	2.26	47.5%	
Congo	0.00	0.02	0.10	0.50	0.57	0.60	0.60	0.61	1.6%	
Côte d'Ivoire	1.47	1.46	1.54	1.96	1.97	2.19	2.00	2.30	15.2%	2.4%
Egypt	16.79	49.58	53.97	36.39	40.45	50.33	59.58	63.76	7.0%	7.3%
Equatorial Guinea	0.03	3.35	6.21	5.89	5.89	6.27	7.36	6.63	-10.0%	33.2%
Gabon	0.12	0.14	0.31	0.52	0.52	0.46	0.45	0.39	-12.1%	6.5%
Ghana	0.00	0.00	0.00	0.70	0.62	0.89	0.86	1.09	26.6%	
Libya	5.59	10.73	15.97	14.72	14.79	13.59	13.19	14.98	13.6%	5.3%
Morocco	0.04	0.04	0.05	0.08	0.07	0.07	0.08	0.09	13.7%	3.6%
Mozambique	0.00	2.17	3.12	4.76	4.86	4.81	4.81	4.72	-1.8%	56.3%
Nigeria	11.84	23.00	30.91	41.50	38.28	42.85	44.36	44.83	1.0%	7.3%
Senegal	0.00	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.0%	16.8%
South Africa	1.63	2.07	1.47	1.12	1.02	0.82	0.98	1.12	14.6%	-1.9%
Tanzania	0.00	0.39	0.75	0.85	0.81	0.75	0.72	0.72	0.0%	
Tunisia	2.19	2.32	3.58	2.93	2.64	2.49	2.38	2.09	-12.2%	-0.2%
Others Africa	0.00	0.00	0.00	0.01	0.03	0.02	0.02	0.02	0.0%	14.9%
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific	281.09	361.34	472.46	512.88	526.97	551.82	582.27	620.93	6.6%	4.3%
Australia	33.19	36.47	51.73	67.66	80.40	102.67	117.69	142.04	20.7%	8.0%
Bangladesh	8.58	12.57	19.34	24.58	26.87	26.83	26.76	26.01	-2.8%	6.0%
Brunei	11.01	11.63	11.94	10.95	10.56	11.57	12.39	12.76	3.0%	0.8%
China	26.47	48.00	93.23	131.01	133.21	144.08	157.37	172.74	9.8%	10.4%
India	26.83	30.17	49.97	30.35	30.08	30.94	31.25	31.23	-0.1%	0.8%
Indonesia	71.13	76.27	87.00	76.16	75.08	72.70	72.80	67.52	-7.3%	-0.3%
Japan	2.66	3.37	3.73	2.76	2.85	2.98	2.59	2.99	15.6%	0.6%
Malaysia	49.50	64.40	59.32	67.27	66.56	65.23	68.80	70.63	2.7%	1.9%
Myanmar	6.02	11.98	11.83	17.18	18.61	18.55	18.11	17.86	-1.4%	5.9%
New Zealand	5.88	3.75	4.48	4.70	4.92	4.86	4.31	4.64	7.7%	-1.2%
Pakistan	19.39	29.82	31.38	28.21	25.15	22.03	21.62	21.21	-1.9%	0.5%
Philippines	0.01	3.14	3.55	3.34	3.83	3.78	4.22	4.34	2.9%	37.5%
South Korea	0.00	0.51	0.56	0.20	0.16	0.36	0.30	0.25	-17.8%	
Taiwan	0.70	0.46	0.25	0.31	0.27	0.22	0.17	0.14	-15.7%	-8.1%
Thailand	18.19	21.52	28.76	30.00	29.42	27.47	26.59	27.30	2.7%	2.2%
Vietnam	1.30	6.96	9.45	10.21	10.18	9.08	9.24	9.42	2.0%	11.0%
Others Asia Pacific	0.23	0.32	5.93	7.98	8.82	8.47	8.06	9.83	22.0%	21.9%
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas	830.71	849.44	932.12	1,116.01	1,109.59	1,126.61	1,216.05	1,282.68	5.5%	2.3%
Argentina	39.92	46.43	40.25	38.86	39.91	40.54	41.58	43.32	4.2%	0.4%
Bolivia	3.42	11.91	14.36	21.06	20.15	19.54	18.23	15.65	-14.2%	8.3%
Brazil	7.25	11.03	14.93	23.76	24.00	27.15	25.09	26.28	4.7%	7.0%
Canada	172.54	179.81	150.52	161.83	172.69	176.67	179.93	173.97	-3.3%	0.0%
Chile	1.86	1.87	1.80	0.98	1.18	1.20	1.22	1.43	16.8%	-1.4%
Colombia	6.35	7.12	10.96	12.07	11.14	11.41	11.90	11.90	0.0%	3.4%
Cuba	0.53	0.69	0.99	1.15	1.10	0.97	0.90	0.90	0.0%	2.8%
Ecuador	0.00	0.32	0.49	0.65	0.70	0.63	0.55	0.58	5.7%	
Mexico	38.83	44.73	49.52	39.97	35.39	30.90	29.97	26.46	-11.7%	-2.0%
Peru	0.57	1.89	8.87	14.76	16.34	14.54	14.29	15.51	8.6%	18.9%
Trinidad and Tobago	14.18	30.82	41.67	37.20	32.63	32.49	35.00	35.73	2.1%	5.0%
United States	519.80	490.27	575.44	740.45	729.57	746.27	836.19	913.43	9.2%	3.0%
Venezuela	25.41	22.53	22.28	23.24	24.78	24.30	21.19	17.52	-17.4%	-1.9%
Others Americas	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.0%	-4.8%

^(*) Data source: the original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a united gross calorific value of 40 MJ/cm.

Areas and Aggregates^(*)

years

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	28	22	19	19	18	17	16	16
Russia and Central Asia	76	69	78	94	92	87	82	81
Middle East	313	246	172	138	135	130	127	125
Africa	102	77	72	74	72	67	64	64
Asia - Pacific	41	36	33	30	28	26	25	23
Americas	17	17	20	17	17	20	19	18
- North America	10	11	15	12	12	16	15	14
- Central South America	55	40	38	37	38	38	38	38
World	65	63	62	60	59	58	55	54
European Union	16	13	12	13	11	11	7	7
MENA	226	181	142	123	118	114	110	109
OECD	7	6	4	3	3	3	2	2
NON OECD	111	98	93	92	91	89	86	85
OPEC	218	170	159	137	132	125	123	123
NON OPEC	46	46	46	46	46	45	43	41

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

(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Iran	459	284	234	185	172	159	153	149
Qatar	570	553	202	142	139	138	139	137
Saudi Arabia	176	129	115	104	100	96	99	101
Russia	80	75	73	82	81	75	70	69
Algeria	56	51	54	54	48	47	47	50
Australia	66	67	73	47	40	31	27	22
Norway	71	36	25	21	20	18	18	19
China	48	35	24	21	21	19	18	16
United States	10	12	15	12	12	17	16	15
Canada	10	9	13	13	12	12	11	12

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2020)*Extended Balances* and other official data sources. All rights reserved.

Countries^(*)

(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	28	22	19	19	18	17	16	16
Albania	57	29	7	3	2	2	27	27
Austria	14	14	9	7	7	6	7	7
Belarus	9	5	6	3	3	3	3	3
Bulgaria	419	7	73	45	48	55	127	109
Croatia	18	14	10	7	6	6	5	6
Czech Republic	20	17	13	14	16	15	16	17
Denmark	17	11	12	17	16	14	16	21
France	5	7	7	391	416	529	965	521
Germany	14	11	7	6	6	5	5	4
Greece	20	47	113	183	90	95	68	90
Hungary	11	8	5	5	4	4	4	3
Ireland	31	44	92	229	10	9	9	11
Italy (**)	13	10	8	8	7	8	9	10
Netherlands	27	22	16	18	17	18	6	5
Norway	71	36	25	21	20	18	18	19
Poland	31	23	17	14	14	14	18	21
Romania	16	13	11	10	11	9	9	8
Serbia and Montenegro	34	36	23	12	12	12	12	12
Slovakia	44	39	51	51	51	32	49	36
Slovenia	0	0	143	333	201	0	0	0
Spain	30	20	56	55	61	122	38	24
Turkey	7	9	9	17	18	18	15	14
Ukraine	60	57	54	51	49	47	47	51
United Kingdom	11	8	9	8	7	6	6	6

	2000	2005	2010	2015	2016	2017	2018	2019
Russia and Central Asia	76	69	78	94	92	87	82	81
Russia	80	75	73	82	81	75	70	69
Azerbaijan	94	92	32	35	36	60	77	80
Georgia	15	56	159	46	79	60	50	53
Kazakhstan	157	75	49	67	59	50	47	48
Kyrgyzstan	32	41	45	17	19	21	20	23
Tajikistan	27	39	46	128	164	443	826	1,068
Turkmenistan	59	44	264	246	258	256	244	237
Uzbekistan	32	30	27	31	29	29	26	27

	2000	2005	2010	2015	2016	2017	2018	2019
Middle East	313	246	172	138	135	130	127	125
Bahrain	14	11	9	12	16	15	15	12
Iran	459	284	234	185	172	159	153	149
Iraq	1,039	1,833	648	478	526	454	332	325
Israel	4,931	29	69	30	61	60	58	63
Jordan	28	29	38	51	60	62	66	66
Kuwait	171	135	160	111	109	110	106	96
Oman	82	32	19	21	21	21	18	17
Qatar	570	553	202	142	139	138	139	137
Saudi Arabia	176	129	115	104	100	96	99	101
Syria	45	50	34	70	81	82	82	86
United Arab Emirates	169	130	126	107	106	106	105	104
Yemen			78	168	956	1,593	4,779	4,781

(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2020) *Extended Balances* and other official data sources. All rights reserved.

(**) The original data are from Italian Ministry for Economic Development and IEA (2020) *Extended Balances*. All rights reserved.

Countries^(*)

(years)

	2000	2005	2010	2015	2016	2017	2018	2019
Africa	102	77	72	74	72	67	64	64
Algeria	56	51	54	54	48	47	47	50
Angola	497	437	391	432	271	77	65	53
Cameroon			514	319	294	263	98	66
Congo		5,836	1,856	571	499	474	474	466
Côte d'Ivoire	19	21	18	11	11	9	9	8
Egypt	85	39	41	57	55	44	37	35
Equatorial Guinea	596	27	13	9	8	7	6	6
Gabon	278	211	89	48	49	56	58	66
Ghana				39	44	65	65	50
Libya	235	139	94	102	102	111	114	100
Morocco	68	76	57	13	14	14	13	11
Mozambique		28	24	16	15	39	39	39
Nigeria	347	224	167	127	143	131	128	129
Senegal		662	402	85	91	84	1,730	4,201
South Africa	10	14	8	2	2	3	2	2
Tanzania		72	49	44	46	53	55	54
Tunisia	36	16	18	22	25	26	27	31

	2000	2005	2010	2015	2016	2017	2018	2019
Asia - Pacific	41	36	33	30	28	26	25	23
Australia	66	67	73	47	40	31	27	22
Bangladesh	36	32	18	16	14	13	12	12
Brunei	33	29	25	24	24	21	20	19
China	48	35	24	21	21	19	18	16
India	28	36	23	41	41	42	43	44
Indonesia	37	35	35	38	38	38	36	39
Japan	15	12	10	11	10	9	10	9
Malaysia	44	36	39	42	37	36	33	31
Myanmar	48	40	44	16	15	14	14	14
New Zealand	10	17	12	12	10	11	12	12
Pakistan	35	24	20	17	19	23	23	21
Philippines		26	19	16	13	11	9	8
South Korea		6	5	15	19	8	10	12
Taiwan	8	9	15	9	10	12	16	18
Thailand	20	14	10	7	7	7	6	6
Vietnam	131	32	24	20	20	22	21	20

	2000	2005	2010	2015	2016	2017	2018	2019
Americas	17	17	20	17	17	20	19	18
Argentina	19	9	9	9	8	9	9	8
Bolivia	197	60	20	14	15	15	11	13
Brazil	30	28	28	18	16	14	15	14
Canada	10	9	13	13	12	12	11	12
Chile	9	7	5	6	4	4	4	3
Colombia	20	16	14	10	10	10	9	8
Cuba	34	25	14	8	7	8	9	9
Ecuador		28	14	17	16	17	20	19
Mexico	22	9	7	6	6	6	6	7
Peru	427	179	40	27	28	25	21	19
Trinidad and Tobago	39	17	9	8	9	9	9	8
United States	10	12	15	12	12	17	16	15
Venezuela	163	192	248	245	232	235	268	324

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2020) *Extended Balances* and other official data sources. All rights reserved.

Areas and Aggregates^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	576.42	653.68	658.44	526.10	552.30	575.66	568.47	569.62	0.2%	-0.1%
Russia and Central Asia	449.34	498.75	554.48	516.21	530.33	548.02	589.37	574.39	-2.5%	1.3%
Middle East	169.13	248.61	361.50	455.40	474.85	494.84	508.25	518.18	2.0%	6.1%
Africa	54.89	86.89	104.06	128.27	134.81	145.61	155.01	154.52	-0.3%	5.6%
Asia - Pacific	298.90	396.99	561.83	680.83	701.87	732.31	788.01	821.62	4.3%	5.5%
Americas	860.17	859.78	941.60	1,099.29	1,115.04	1,107.38	1,183.95	1,212.80	2.4%	1.8%
- North America	723.38	684.28	734.75	854.21	873.91	869.69	947.94	973.46	2.7%	1.6%
- Central South America	136.79	175.50	206.84	245.07	241.13	237.69	236.02	239.34	1.4%	3.0%
World	2,408.84	2,744.70	3,181.91	3,406.09	3,509.21	3,603.82	3,793.06	3,851.12	1.5%	2.5%
European Union	460.54	517.68	520.56	416.21	444.64	462.79	456.28	468.99	2.8%	0.1%
MENA	213.55	316.92	443.55	553.22	580.88	610.17	630.36	640.29	1.6%	5.9%
OECD	1,356.13	1,417.11	1,538.78	1,603.30	1,653.64	1,670.46	1,744.43	1,787.53	2.5%	1.5%
NON OECD	1,052.72	1,327.59	1,643.13	1,802.79	1,855.57	1,933.37	2,048.64	2,063.60	0.7%	3.6%
OPEC	195.44	271.08	360.71	452.16	473.36	491.89	504.84	511.80	1.4%	5.2%
NON OPEC	2,213.40	2,473.62	2,821.20	2,953.93	3,035.85	3,111.94	3,288.23	3,339.33	1.6%	2.2%

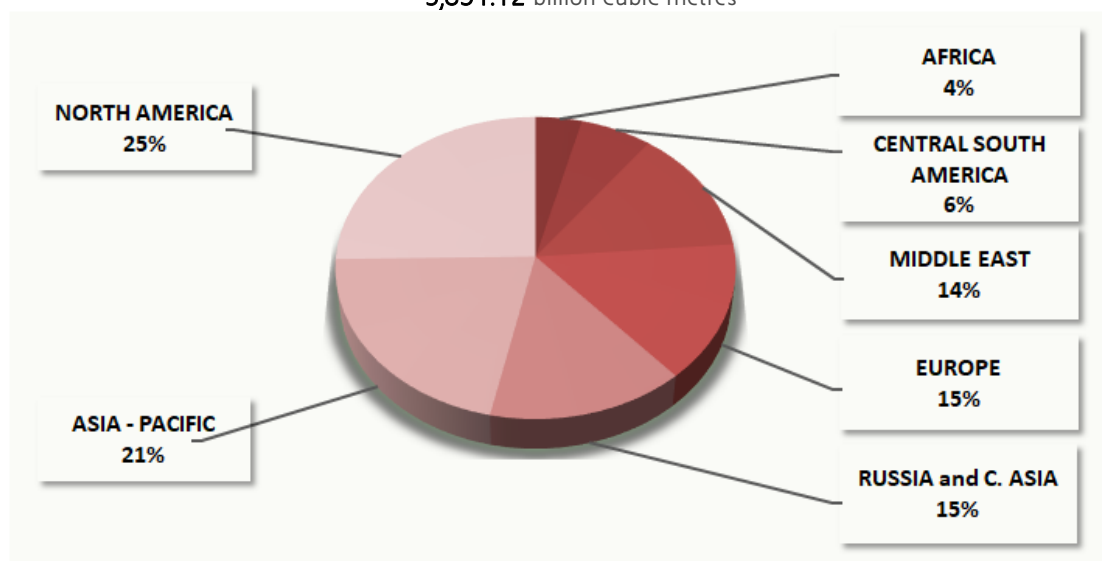
The World Top 10 Consumers^(**)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
United States	637.02	589.89	646.72	751.89	759.30	748.90	824.02	847.70	2.9%	1.5%
Russia	371.01	406.67	446.06	423.63	431.84	447.71	481.14	463.09	-3.8%	1.2%
China	24.14	45.11	103.95	184.44	198.61	227.01	267.91	290.99	8.6%	14.0%
Iran	61.21	97.50	142.06	180.63	193.48	203.03	207.90	211.42	1.7%	6.7%
Canada	86.36	94.39	88.03	102.32	114.61	120.80	123.92	125.76	1.5%	2.0%
Japan	76.33	82.17	99.88	116.55	118.27	117.34	112.78	106.97	-5.2%	1.8%
Saudi Arabia	35.80	53.46	69.66	82.89	86.25	90.72	92.00	93.24	1.3%	5.2%
Germany	83.57	90.46	88.28	75.77	81.79	87.62	85.54	88.87	3.9%	0.3%
Mexico	41.27	53.62	63.08	75.20	76.97	72.80	75.81	80.97	6.8%	3.6%
United Kingdom	101.65	99.40	98.64	71.97	80.41	78.28	78.91	78.28	-0.8%	-1.4%
The World Top 10	1,518.34	1,612.67	1,846.37	2,065.29	2,141.53	2,194.20	2,349.94	2,387.30	1.6%	2.4%
Rest of the World	890.51	1,132.03	1,335.54	1,340.80	1,367.68	1,409.62	1,443.13	1,463.82	1.4%	2.7%
World	2,408.84	2,744.70	3,181.91	3,406.09	3,509.21	3,603.82	3,793.06	3,851.12	1.5%	2.5%

World Natural Gas Consumption (2019)

3,851.12 billion cubic metres



^(*) Data source: Eni's calculations. The original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

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Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	576.42	653.68	658.44	526.10	552.30	575.66	568.47	569.62	0.2%	-0.1%
Albania	0.01	0.01	0.01	0.03	0.04	0.04	0.04	0.04	-2.0%	6.8%
Austria	7.66	9.40	9.45	7.99	8.28	9.04	8.60	8.92	3.7%	0.8%
Belarus	16.55	19.67	21.06	18.41	18.30	18.73	19.87	19.00	-4.4%	0.7%
Belgium	15.55	17.14	19.48	16.22	16.55	16.82	17.34	17.60	1.5%	0.7%
Bosnia Herzegovina	0.23	0.35	0.23	0.21	0.21	0.23	0.23	0.22	-3.7%	-0.2%
Bulgaria	3.41	3.26	2.68	3.02	3.12	3.21	3.04	2.84	-6.5%	-1.0%
Croatia	2.57	2.76	3.06	2.42	2.52	2.90	2.67	2.80	4.9%	0.4%
Czech Republic	8.72	8.96	9.38	7.54	8.16	8.37	7.93	8.32	5.0%	-0.2%
Denmark	5.17	5.12	5.14	3.32	3.35	3.20	3.11	2.93	-5.9%	-3.0%
Estonia	0.77	0.93	0.65	0.45	0.50	0.47	0.48	0.44	-8.0%	-2.9%
Finland	3.99	4.19	4.46	2.60	2.39	2.25	2.53	2.43	-3.6%	-2.6%
France	41.60	47.71	49.56	40.75	44.53	44.77	42.71	43.48	1.8%	0.2%
Germany	83.57	90.46	88.28	75.77	81.79	87.62	85.54	88.87	3.9%	0.3%
Greece	1.98	2.74	3.76	3.11	4.06	4.89	4.79	5.24	9.4%	5.2%
Hungary	11.23	14.07	11.42	8.71	9.34	9.93	9.62	9.79	1.8%	-0.7%
Ireland	4.00	4.07	5.47	4.37	4.94	5.02	5.22	5.30	1.6%	1.5%
Italy	67.38	82.17	79.15	64.32	67.55	71.58	69.21	70.74	2.2%	0.3%
Latvia	1.27	1.58	1.70	1.28	1.29	1.15	1.36	1.28	-5.6%	0.1%
Lithuania	2.40	2.88	2.90	2.40	2.14	2.23	2.07	2.17	5.0%	-0.5%
Luxembourg	0.78	1.37	1.39	0.89	0.82	0.81	0.80	0.80	0.1%	0.1%
Macedonia	0.06	0.07	0.11	0.13	0.20	0.26	0.24	0.28	16.4%	8.2%
Malta	0.00	0.00	0.00	0.00	0.00	0.28	0.34	0.36	4.5%	-
Moldova	2.47	2.78	2.69	2.48	2.50	2.30	2.49	2.55	2.5%	0.2%
Netherlands	40.71	41.08	46.60	33.30	34.93	36.08	35.74	37.24	4.2%	-0.5%
Norway	4.82	4.74	7.34	7.14	6.45	5.35	5.99	5.77	-3.7%	0.9%
Poland	11.58	14.23	14.89	16.02	17.02	17.96	18.75	19.68	5.0%	2.8%
Portugal	2.37	4.36	5.22	4.71	5.03	6.30	5.84	6.14	5.2%	5.2%
Romania	15.91	16.19	12.55	10.37	10.49	11.18	11.45	10.87	-5.0%	-2.0%
Serbia	1.78	2.26	2.16	2.04	2.20	2.46	2.48	2.37	-4.6%	1.5%
Slovakia	6.72	6.84	5.82	4.51	4.53	4.81	4.74	4.52	-4.7%	-2.1%
Slovenia	0.96	1.08	1.00	0.77	0.82	0.86	0.84	0.86	1.5%	-0.6%
Spain	17.70	34.71	36.20	28.54	29.12	31.71	31.50	35.93	14.1%	3.8%
Sweden	0.90	0.98	1.70	0.84	0.95	1.07	1.16	1.16	-0.3%	1.3%
Switzerland	2.83	3.24	3.50	3.32	3.48	3.50	3.32	3.41	2.6%	1.0%
Turkey	14.70	26.51	36.51	45.80	44.50	51.44	47.70	43.04	-9.8%	5.8%
Ukraine	72.42	76.37	64.26	30.33	29.77	28.56	29.83	23.96	-19.7%	-5.7%
United Kingdom	101.65	99.40	98.64	71.97	80.41	78.28	78.91	78.28	-0.8%	-1.4%
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	449.34	498.75	554.48	516.21	530.33	548.02	589.37	574.39	-2.5%	1.3%
Russia	371.01	406.67	446.06	423.63	431.84	447.71	481.14	463.09	-3.8%	1.2%
Armenia	1.30	1.56	1.50	2.25	2.15	2.27	2.38	2.43	2.2%	3.3%
Azerbaijan	5.62	9.42	9.13	11.15	10.93	10.62	10.82	13.48	24.6%	4.7%
Georgia	1.11	1.23	1.18	2.41	2.27	2.39	2.38	2.55	7.1%	4.5%
Kazakhstan	7.65	14.49	25.95	12.34	16.64	16.28	21.65	19.51	-9.9%	5.1%
Kyrgyzstan	0.67	0.72	0.29	0.27	0.28	0.30	0.33	0.31	-3.2%	-3.9%
Tajikistan	0.73	0.62	0.19	0.00	0.00	0.00	0.06	0.14	154.5%	-8.3%
Turkmenistan	12.68	16.58	20.17	24.83	24.83	24.83	24.83	32.61	31.3%	5.1%
Uzbekistan	48.58	47.46	50.01	39.33	41.38	43.63	45.79	40.27	-12.1%	-1.0%
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East	169.13	248.61	361.50	455.40	474.85	494.84	508.25	518.18	2.0%	6.1%
Bahrain	7.96	9.71	12.29	14.15	13.99	14.01	14.18	16.11	13.6%	3.8%
Iran	61.21	97.50	142.06	180.63	193.48	203.03	207.90	211.42	1.7%	6.7%
Iraq	2.99	1.73	4.87	6.60	7.26	9.77	15.49	16.66	7.5%	9.5%
Israel	0.01	1.53	5.12	7.01	7.97	8.48	9.19	9.46	3.0%	44.1%
Jordan	0.25	1.61	2.66	2.26	3.94	4.08	4.00	2.16	-46.0%	12.1%
Kuwait	9.12	11.69	13.80	19.85	21.14	21.50	21.58	23.49	8.9%	5.1%
Lebanon	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00		
Oman	6.27	8.65	17.33	24.52	24.52	24.14	26.07	26.46	1.5%	7.9%
Qatar	11.01	16.02	26.03	42.54	41.90	44.26	44.70	45.10	0.9%	7.7%
Saudi Arabia	35.80	53.46	69.66	82.89	86.25	90.72	92.00	93.24	1.3%	5.2%
Syria	5.37	5.75	9.08	4.05	3.53	3.49	3.47	3.33	-4.1%	-2.5%
United Arab Emirates	29.13	40.96	57.39	69.94	70.36	71.06	69.57	70.65	1.5%	4.8%
Yemen	0.00	0.00	0.95	0.96	0.50	0.30	0.10	0.10	0.0%	

^(*) Data source: the original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa	54.89	86.89	104.06	128.27	134.81	145.61	155.01	154.52	-0.3%	5.6%
Algeria	19.58	23.87	27.12	40.03	40.31	41.75	45.24	47.14	4.2%	4.7%
Angola	0.54	0.62	0.70	0.73	0.76	0.80	0.82	0.85	3.9%	2.4%
Cameroon	0.00	0.00	0.30	0.48	0.52	0.58	0.76	0.64	-15.1%	
Congo	0.00	0.02	0.10	0.50	0.57	0.60	0.60	0.61	1.6%	
Côte d'Ivoire	1.47	1.46	1.54	1.96	1.97	2.19	2.00	2.30	15.2%	2.4%
Dem. Rep. Congo	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.0%	
Egypt	16.79	34.87	41.65	42.77	48.22	56.84	60.49	59.07	-2.4%	6.8%
Equatorial Guinea	0.01	2.21	2.99	1.77	1.30	1.56	2.13	2.38	11.7%	36.5%
Gabon	0.12	0.14	0.31	0.52	0.52	0.46	0.45	0.39	-12.1%	6.5%
Ghana	0.00	0.00	0.41	1.24	0.72	1.20	1.53	1.76	14.9%	
Libya	4.83	5.54	6.71	7.96	10.23	9.22	8.91	9.53	6.9%	3.6%
Morocco	0.04	0.44	0.66	1.18	1.20	1.19	1.07	1.02	-5.4%	17.9%
Mozambique	0.00	0.02	0.08	0.89	0.78	0.71	0.84	0.75	-10.4%	41.9%
Nigeria	6.70	10.48	10.26	16.49	15.69	16.47	18.40	17.34	-5.8%	5.1%
Senegal	0.00	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.0%	16.8%
South Africa	1.63	3.21	4.51	4.99	5.09	4.92	4.63	4.63	-0.2%	5.7%
Tanzania	0.00	0.39	0.75	0.85	0.81	0.75	0.72	0.72	0.0%	
Tunisia	3.18	3.60	5.91	5.88	6.06	6.32	6.39	5.36	-16.2%	2.8%
Others Africa	0.00	0.00	0.00	0.01	0.03	0.02	0.02	0.02	0.0%	15.7%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific	298.90	396.99	561.83	680.83	701.87	732.31	788.01	821.62	4.3%	5.5%
Australia	22.42	22.06	31.84	38.53	35.60	36.38	37.86	44.58	17.8%	3.7%
Bangladesh	8.58	12.57	19.34	24.58	26.87	26.83	26.76	31.25	16.8%	7.0%
Brunei	2.15	2.14	3.11	2.49	2.71	3.43	3.54	3.81	7.8%	3.1%
China	24.14	45.11	103.95	184.44	198.61	227.01	267.91	290.99	8.6%	14.0%
Hong Kong	2.85	2.55	3.64	3.09	3.17	3.16	3.06	3.16	3.2%	0.5%
India	26.83	37.00	63.27	52.48	55.80	59.34	60.95	63.31	3.9%	4.6%
Indonesia	30.90	34.04	45.15	44.04	45.46	45.06	45.28	44.68	-1.3%	2.0%
Japan	76.33	82.17	99.88	116.55	118.27	117.34	112.78	106.97	-5.2%	1.8%
Malaysia	28.76	37.07	36.28	43.66	41.59	37.46	45.11	46.73	3.6%	2.6%
Myanmar	1.39	2.66	1.49	3.52	4.10	4.23	4.79	3.45	-28.0%	4.9%
New Zealand	5.88	3.75	4.34	4.76	4.90	4.94	4.48	4.65	4.0%	-1.2%
Pakistan	19.38	29.82	31.40	30.89	30.05	30.28	32.92	32.63	-0.9%	2.8%
Philippines	0.01	3.14	3.55	3.34	3.83	3.78	4.22	4.34	2.9%	37.5%
Singapore	1.30	5.83	7.55	9.94	10.19	10.24	10.42	10.38	-0.4%	11.5%
South Korea	19.78	31.84	44.93	45.76	48.05	50.26	55.50	56.67	2.1%	5.7%
Taiwan	6.46	9.31	13.87	18.11	18.93	20.81	21.05	21.08	0.1%	6.4%
Thailand	20.20	30.16	38.34	43.90	42.96	41.88	41.30	42.19	2.2%	4.0%
Vietnam	1.30	5.46	9.45	10.21	10.18	9.08	9.24	9.42	2.0%	11.0%
Others Asia Pacific	0.23	0.32	0.44	0.56	0.61	0.80	0.84	1.32	56.2%	9.7%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas	860.17	859.78	941.60	1,099.29	1,115.04	1,107.38	1,183.69	1,212.26	2.4%	1.8%
Argentina	35.40	41.46	43.26	49.89	50.47	51.55	50.62	49.67	-1.9%	1.8%
Bolivia	1.38	1.88	3.12	4.18	4.65	4.69	4.75	4.37	-8.1%	6.3%
Brazil	9.46	19.99	27.52	42.09	35.68	37.83	35.65	36.04	1.1%	7.3%
Canada	86.36	94.39	88.03	102.32	114.61	120.80	123.92	125.76	1.5%	2.0%
Chile	6.06	7.91	5.20	4.63	5.06	5.05	5.07	6.42	26.5%	0.3%
Colombia	6.35	7.12	9.57	11.74	11.15	11.42	11.92	12.16	2.1%	3.5%
Cuba	0.53	0.69	0.99	1.15	1.10	0.97	0.90	0.90	0.0%	2.8%
Dominican Republic	0.00	0.20	0.79	1.09	1.03	1.18	1.18	1.47	24.9%	
Ecuador	0.00	0.32	0.49	0.65	0.70	0.63	0.55	0.58	5.7%	
Jamaica	0.00	0.00	0.00	0.00	0.02	0.08	0.09	0.13	40.4%	
Mexico	41.27	53.62	63.08	75.20	76.97	72.80	75.81	80.97	6.8%	3.6%
Peru	0.57	1.89	6.39	9.17	9.65	8.16	8.44	9.21	9.1%	15.7%
Trinidad and Tobago	9.96	17.10	21.35	20.16	18.15	17.57	18.18	17.65	-2.9%	3.1%
United States	637.02	589.89	646.72	751.89	759.30	748.90	824.02	847.70	2.9%	1.5%
Uruguay	0.04	0.10	0.07	0.05	0.06	0.07	0.06	0.08	31.7%	4.7%
Venezuela	25.41	22.53	24.23	23.60	24.78	24.30	21.19	17.52	-17.4%	-1.9%
Others Americas	0.37	0.69	0.77	1.46	1.66	1.38	1.34	1.62	21.0%	8.1%

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Areas and Aggregates^(*)

(cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	901	1,004	993	780	816	848	835	834
Russia and Central Asia	2,068	2,289	2,494	2,244	2,289	2,350	2,511	2,433
Middle East	1,011	1,329	1,700	1,935	1,983	2,032	2,053	2,059
Africa	95	134	142	155	159	167	174	169
Asia - Pacific	88	111	149	172	175	181	193	200
Americas	1,097	1,035	1,076	1,202	1,208	1,190	1,263	1,284
- North America	2,308	2,082	2,136	2,394	2,431	2,403	2,603	2,658
- Central South America	291	374	407	451	438	426	418	419
World	418	448	491	497	507	515	537	540
European Union	949	1,048	1,036	819	873	907	892	916
MENA	687	926	1,165	1,318	1,359	1,403	1,425	1,423
OECD	1,186	1,196	1,253	1,267	1,299	1,305	1,356	1,382
NON OECD	228	269	312	323	328	338	354	353
OPEC	595	739	875	976	1,000	1,019	1,025	1,019
NON OPEC	407	430	464	462	471	478	500	503

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

(cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Canada	2,818	2,931	2,592	2,868	3,179	3,310	3,350	3,351
Russia	2,534	2,831	3,109	2,922	2,973	3,076	3,302	3,175
Saudi Arabia	1,732	2,245	2,540	2,613	2,659	2,741	2,730	2,721
United States	2,253	1,990	2,086	2,341	2,347	2,301	2,519	2,579
Iran	933	1,398	1,926	2,301	2,432	2,517	2,542	2,550
United Kingdom	1,725	1,649	1,554	1,093	1,213	1,173	1,175	1,159
Germany	1,027	1,109	1,092	926	995	1,060	1,029	1,064
Japan	599	640	777	911	926	920	887	843
Mexico	417	506	553	617	624	583	601	635
China	19	34	76	131	140	160	188	203

^(*) Data source: Eni calculations on IEA (2020) *Extended Balances* and IHS Global Insight data. All right reserved.

Countries(*)

(cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	901	1,004	993	780	816	848	835	834
Albania	3	3	5	11	14	15	13	13
Austria	949	1,139	1,123	921	946	1,025	967	996
Belarus	1,676	2,057	2,235	1,951	1,938	1,982	2,102	2,010
Belgium	1,512	1,626	1,780	1,437	1,457	1,473	1,510	1,525
Bosnia Herzegovina	62	93	63	60	63	69	70	68
Bulgaria	426	424	360	419	437	452	431	406
Croatia	580	630	707	572	600	693	641	677
Czech Republic	848	873	891	711	768	787	744	779
Denmark	969	944	926	583	586	557	541	507
Estonia	550	686	491	345	378	358	364	334
Finland	769	798	832	474	436	408	457	440
France	705	781	788	632	689	690	657	668
Germany	1,027	1,109	1,092	926	995	1,060	1,029	1,064
Greece	179	244	346	292	382	463	455	500
Hungary	1,099	1,395	1,150	891	957	1,021	991	1,011
Ireland	1,056	982	1,201	940	1,052	1,055	1,083	1,086
Italy	1,189	1,410	1,334	1,062	1,113	1,180	1,142	1,168
Latvia	533	701	802	639	656	592	705	673
Lithuania	685	861	928	820	741	785	737	786
Luxembourg	1,790	2,988	2,740	1,578	1,424	1,362	1,316	1,292
Macedonia	31	36	53	63	98	126	117	136
Malta	0	0	0	0	0	611	716	731
Moldova	679	772	755	697	703	647	701	719
Netherlands	2,556	2,510	2,793	1,966	2,057	2,120	2,095	2,178
Norway	1,071	1,022	1,503	1,374	1,228	1,009	1,122	1,072
Poland	300	371	389	421	448	473	495	520
Portugal	230	415	493	454	487	612	570	601
Romania	719	756	613	520	530	569	587	562
Serbia	237	304	296	287	312	351	355	341
Slovakia	1,244	1,267	1,077	830	832	883	870	828
Slovenia	483	541	491	373	395	414	406	412
Spain	434	788	771	611	624	680	675	769
Sweden	102	108	182	86	97	108	117	116
Switzerland	396	438	448	400	416	414	389	396
Turkey	232	390	505	583	557	634	579	516
Ukraine	1,486	1,632	1,408	677	667	643	675	545
United Kingdom	1,725	1,649	1,554	1,093	1,213	1,173	1,175	1,159
	2000	2005	2010	2015	2016	2017	2018	2019
Russia and Central Asia	2,068	2,289	2,494	2,244	2,289	2,350	2,511	2,433
Russia	2,534	2,831	3,109	2,922	2,973	3,076	3,302	3,175
Armenia	424	522	522	769	733	770	805	821
Azerbaijan	691	1,103	1,011	1,158	1,123	1,078	1,087	1,342
Georgia	254	293	288	600	565	596	594	637
Kazakhstan	512	941	1,597	702	933	901	1,182	1,052
Kyrgyzstan	136	141	53	45	46	48	52	49
Tajikistan	117	92	25	0	0	0	6	15
Turkmenistan	2,808	3,486	3,964	4,462	4,385	4,313	4,244	5,488
Uzbekistan	1,961	1,796	1,754	1,272	1,316	1,365	1,410	1,221

(*) Data source: Eni calculations on IEA (2020) *Extended Balances* and IHS Global Insight data. All right reserved.

Countries^(*)

(cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Middle East	1,011	1,329	1,700	1,935	1,983	2,032	2,053	2,059
Bahrain	11,980	10,926	9,906	10,311	9,814	9,377	9,032	9,814
Iran	933	1,398	1,926	2,301	2,432	2,517	2,542	2,550
Iraq	127	64	164	186	198	260	403	424
Israel	2	234	697	878	983	1,029	1,096	1,111
Jordan	48	279	367	244	413	417	401	214
Kuwait	4,459	5,147	4,611	5,176	5,342	5,301	5,216	5,584
Lebanon	0	0	50	0	0	0	0	0
Oman	2,764	3,446	5,699	5,746	5,475	5,173	5,398	5,319
Qatar	18,590	18,508	14,021	16,580	15,784	16,243	16,070	15,926
Saudi Arabia	1,732	2,245	2,540	2,613	2,659	2,741	2,730	2,721
Syria	327	313	425	225	202	204	205	195
United Arab Emirates	9,296	8,928	6,713	7,550	7,517	7,490	7,224	7,230
Yemen	0	0	41	36	18	11	4	3

	2000	2005	2010	2015	2016	2017	2018	2019
Africa	95	134	142	155	159	167	174	169
Algeria	631	720	754	1,008	994	1,009	1,071	1,095
Angola	33	32	30	26	26	27	27	27
Cameroon	0	0	15	21	22	23	30	25
Congo	0	6	23	103	115	118	115	113
Côte d'Ivoire	90	79	75	84	83	90	80	89
Egypt	244	462	503	463	511	589	615	588
Equatorial Guinea	5	1,606	1,922	1,009	723	851	1,138	1,243
Gabon	97	103	202	296	290	251	239	205
Ghana	0	0	17	45	25	41	51	58
Libya	901	955	1,082	1,241	1,576	1,402	1,334	1,406
Morocco	2	14	20	34	34	34	30	28
Mozambique	0	1	3	33	28	25	28	25
Nigeria	55	76	65	91	84	86	94	86
Senegal	0	1	2	2	1	2	1	1
South Africa	36	67	88	90	91	86	80	79
Tanzania	0	10	17	17	15	14	13	12
Tunisia	327	356	556	526	536	553	553	458
Others Africa	0	0	0	0	0	0	0	0

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Countries^(*)

(cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Asia - Pacific	88	111	149	172	175	181	193	200
Australia	1,180	1,093	1,437	1,610	1,467	1,480	1,520	1,769
Bangladesh	67	90	131	157	170	168	166	192
Brunei	6,460	5,855	8,012	5,991	6,465	8,073	8,247	8,804
China	19	34	76	131	140	160	188	203
Hong Kong	432	376	523	429	437	432	415	425
India	25	32	51	40	42	44	45	46
Indonesia	146	150	187	170	174	170	169	165
Japan	599	640	777	911	926	920	887	843
Malaysia	1,240	1,443	1,286	1,442	1,355	1,204	1,431	1,463
Myanmar	30	54	30	67	77	79	89	64
New Zealand	1,525	908	992	1,031	1,051	1,050	944	973
Pakistan	136	186	175	155	148	146	155	151
Philippines	0	36	38	33	37	36	40	40
Singapore	323	1,367	1,472	1,777	1,802	1,794	1,811	1,789
South Korea	418	654	907	900	942	984	1,085	1,106
Taiwan	296	412	601	771	803	881	888	887
Thailand	321	461	571	639	623	605	595	606
Vietnam	16	65	107	110	109	96	97	98
Others Asia Pacific	7	9	11	12	12	16	16	25

	2000	2005	2010	2015	2016	2017	2018	2019
Americas	1,097	1,035	1,076	1,202	1,208	1,190	1,263	1,283
Argentina	960	1,066	1,058	1,158	1,160	1,173	1,141	1,109
Bolivia	164	204	311	385	422	419	418	379
Brazil	54	107	141	206	173	182	170	171
Canada	2,818	2,931	2,592	2,868	3,179	3,310	3,350	3,351
Chile	395	489	305	258	278	274	271	339
Colombia	160	167	212	247	231	233	240	242
Cuba	48	61	88	102	97	86	79	79
Dominican Republic	0	22	81	106	99	112	111	137
Ecuador	0	23	33	40	43	38	32	33
Jamaica	0	0	0	0	6	28	32	45
Mexico	417	506	553	617	624	583	601	635
Peru	22	68	220	301	312	260	264	283
Trinidad and Tobago	7,861	13,188	16,074	14,710	13,176	12,696	13,081	12,652
United States	2,253	1,990	2,086	2,341	2,347	2,301	2,519	2,579
Uruguay	11	31	22	16	18	20	19	24
Venezuela	1,050	852	852	784	830	827	734	614
Others Americas	56	102	113	237	273	230	228	280

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Areas and Aggregates^(*)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	0.55	0.50	0.48	0.50	0.48	0.46	0.45	0.42
Russia and Central Asia	1.47	1.49	1.40	1.52	1.52	1.57	1.53	1.60
Middle East	1.13	1.19	1.27	1.26	1.26	1.25	1.25	1.25
Africa	2.21	2.12	1.95	1.53	1.55	1.56	1.55	1.56
Asia - Pacific	0.94	0.91	0.84	0.75	0.75	0.75	0.74	0.76
Americas	0.97	0.99	0.99	1.02	1.00	1.02	1.03	1.06
- North America	0.96	0.98	0.99	1.06	1.03	1.06	1.07	1.12
- Central South America	1.01	1.02	1.00	0.87	0.86	0.86	0.85	0.82
World	1.00	1.01	0.99	1.01	1.00	1.01	1.01	1.03
European Union	0.53	0.43	0.36	0.30	0.28	0.26	0.24	0.22
MENA	1.39	1.41	1.39	1.29	1.29	1.28	1.28	1.28
OECD	0.78	0.75	0.73	0.78	0.77	0.78	0.80	0.83
NON OECD	1.27	1.28	1.24	1.22	1.21	1.21	1.18	1.20
OPEC	1.36	1.33	1.21	1.14	1.15	1.17	1.17	1.15
NON OPEC	0.96	0.97	0.96	0.99	0.98	0.99	0.99	1.01

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

	2000	2005	2010	2015	2016	2017	2018	2019
Norway	11.17	18.11	22.85	24.81	24.69	26.23	25.68	24.26
Qatar	2.30	4.21	11.33	15.50	15.70	15.65	15.56	15.75
China	1.10	1.99	3.86	5.43	5.52	5.97	6.52	7.16
Australia	1.48	1.63	2.31	3.02	3.59	4.58	5.25	6.34
Algeria	4.15	4.49	4.27	4.24	4.78	4.86	4.91	4.57
Iran	0.95	1.59	2.31	2.96	3.21	3.47	3.62	3.72
Saudi Arabia	1.00	1.49	1.95	2.32	2.41	2.53	2.57	2.60
Canada	2.00	2.08	1.74	1.87	2.00	2.05	2.08	2.01
Russia	1.48	1.62	1.69	1.64	1.69	1.82	1.90	1.93
United States	0.82	0.77	0.90	1.16	1.15	1.17	1.31	1.43

^(*) Data source: Eni calculations on IEA (2020) *Extended Balances* data. All right reserved.

Countries ^(*)								
	2000	2005	2010	2015	2016	2017	2018	2019
Europe	0.55	0.50	0.48	0.50	0.48	0.46	0.45	0.42
Albania	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Austria	0.24	0.16	0.17	0.15	0.14	0.13	0.12	0.10
Belarus	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bulgaria	0.00	0.14	0.03	0.03	0.03	0.02	0.01	0.01
Croatia	0.61	0.79	0.84	0.71	0.63	0.49	0.44	0.35
Czech Republic	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02
Denmark	1.67	2.13	1.66	1.45	1.41	1.58	1.39	1.09
France	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.00
Germany	0.22	0.18	0.15	0.10	0.09	0.08	0.06	0.06
Greece	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Hungary	0.26	0.19	0.23	0.18	0.18	0.17	0.18	0.16
Ireland	0.28	0.14	0.05	0.03	0.59	0.66	0.61	0.47
Italy	0.24	0.14	0.10	0.10	0.08	0.07	0.07	0.06
Netherlands	1.51	1.59	1.62	1.38	1.27	1.07	0.90	0.75
Norway	11.17	18.43	15.00	16.75	18.46	23.65	20.66	20.28
Poland	0.33	0.32	0.29	0.27	0.24	0.23	0.22	0.20
Romania	0.80	0.70	0.80	0.99	0.86	0.89	0.86	0.89
Serbia	0.41	0.12	0.17	0.26	0.22	0.18	0.17	0.17
Slovakia	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03
Slovenia	0.01	0.00	0.01	0.00	0.01	0.01	0.02	0.01
Spain	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Turkey	0.04	0.03	0.02	0.01	0.01	0.01	0.01	0.01
Ukraine	0.24	0.24	0.28	0.57	0.59	0.63	0.64	0.74
United Kingdom	1.12	0.93	0.59	0.56	0.52	0.54	0.51	0.51

	2000	2005	2010	2015	2016	2017	2018	2019
Russia and Central Asia	1.47	1.49	1.40	1.52	1.52	1.57	1.53	1.60
Russia	1.48	1.48	1.41	1.44	1.45	1.51	1.47	1.55
Azerbaijan	0.95	0.57	1.78	1.69	1.67	1.67	1.73	1.78
Georgia	0.06	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Kazakhstan	1.16	1.27	1.10	2.20	1.86	2.23	1.81	1.96
Kyrgyzstan	0.05	0.03	0.08	0.11	0.09	0.08	0.08	0.07
Tajikistan	0.05	0.04	0.12	1.00	1.00	1.00	0.01	0.00
Turkmenistan	3.51	3.60	2.13	3.19	3.04	3.07	3.22	2.52
Uzbekistan	1.10	1.21	1.25	1.31	1.28	1.23	1.27	1.40

^(*) Data source: Eni calculations on IEA (2020) *Extended Balances* data. All right reserved.

Natural Gas - Supply and Demand Production/Consumption Ratio

Countries^(*)

	2000	2005	2010	2015	2016	2017	2018	2019
Middle East	1.13	1.19	1.27	1.26	1.26	1.25	1.25	1.25
Bahrain	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Iran	0.95	1.00	1.00	1.00	1.02	1.05	1.07	1.08
Iraq	1.00	1.00	1.00	1.00	1.00	0.84	0.72	0.69
Israel	1.00	1.00	0.61	0.98	0.96	0.96	0.94	0.92
Jordan	1.00	0.13	0.06	0.05	0.03	0.02	0.02	0.04
Kuwait	1.00	1.00	0.81	0.81	0.78	0.76	0.78	0.79
Oman	1.68	2.41	1.59	1.34	1.37	1.40	1.46	1.47
Qatar	2.30	2.89	4.79	4.01	4.13	3.89	3.83	3.85
Saudi Arabia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Syria	1.00	1.00	0.93	1.00	1.00	1.00	1.00	1.00
United Arab Emirates	1.23	1.14	0.84	0.81	0.82	0.81	0.83	0.83
Yemen			6.57	2.97	1.00	1.00	1.00	1.00

	2000	2005	2010	2015	2016	2017	2018	2019
Africa	2.21	2.12	1.95	1.53	1.55	1.56	1.55	1.56
Algeria	4.15	3.68	3.09	2.08	2.32	2.28	2.12	1.90
Angola	1.00	1.00	1.00	1.00	2.14	6.90	7.20	7.61
Cameroon			1.00	1.00	1.00	1.00	2.03	3.53
Congo		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Côte d'Ivoire	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Egypt	1.00	1.42	1.30	0.85	0.84	0.89	0.98	1.08
Equatorial Guinea	4.42	1.51	2.08	3.33	4.55	4.02	3.46	2.78
Gabon	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ghana			0.00	0.56	0.85	0.74	0.56	0.62
Libya	1.16	1.94	2.38	1.85	1.45	1.47	1.48	1.57
Morocco	1.00	0.09	0.08	0.07	0.06	0.06	0.07	0.09
Mozambique	1.00	104.68	39.54	5.37	6.22	6.78	5.75	6.30
Nigeria	1.77	2.19	3.01	2.52	2.44	2.60	2.41	2.59
Senegal	1.00	1.00	1.02	1.00	1.00	1.00	1.00	1.00
South Africa	1.00	0.65	0.33	0.22	0.20	0.17	0.21	0.24
Tanzania		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Tunisia	0.69	0.64	0.61	0.50	0.44	0.39	0.37	0.39
Others Africa	1.00	0.29	0.20	0.70	0.91	0.88	0.88	0.88

^(*) Data source: Eni calculations on IEA (2020) *Extended Balances* data. All right reserved.

Natural Gas - Supply and Demand Production/Consumption Ratio

Countries ^(*)								
	2000	2005	2010	2015	2016	2017	2018	2019
Asia - Pacific	0.94	0.91	0.84	0.75	0.75	0.75	0.74	0.76
Australia	1.48	1.65	1.62	1.76	2.26	2.82	3.11	3.19
Bangladesh	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.83
Brunei	5.12	5.44	3.84	4.40	3.89	3.38	3.50	3.35
China	1.10	1.06	0.90	0.71	0.67	0.63	0.59	0.59
India	1.00	0.82	0.79	0.58	0.54	0.52	0.51	0.49
Indonesia	2.30	2.24	1.93	1.73	1.65	1.61	1.61	1.51
Japan	0.03	0.04	0.04	0.02	0.02	0.03	0.02	0.03
Malaysia	1.72	1.74	1.64	1.54	1.60	1.74	1.53	1.51
Myanmar	4.32	4.50	7.92	4.87	4.53	4.39	3.78	5.18
New Zealand	1.00	1.00	1.03	0.99	1.00	0.98	0.96	1.00
Pakistan	1.00	1.00	1.00	0.91	0.84	0.73	0.66	0.65
Philippines	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
South Korea	0.00	0.02	0.01	0.00	0.00	0.01	0.01	0.00
Taiwan	0.11	0.05	0.02	0.02	0.01	0.01	0.01	0.01
Thailand	0.90	0.71	0.75	0.68	0.68	0.66	0.64	0.65
Vietnam	1.00	1.28	1.00	1.00	1.00	1.00	1.00	1.00
Others Asia-Pacific	1.00	1.00	13.50	14.33	14.54	10.62	9.57	7.47

	2000	2005	2010	2015	2016	2017	2018	2019
Americas	0.97	0.99	0.99	1.02	1.00	1.02	1.03	1.06
Argentina	1.13	1.12	0.93	0.78	0.79	0.79	0.82	0.87
Bolivia	2.48	6.33	4.60	5.03	4.33	4.17	3.84	3.58
Brazil	0.77	0.55	0.54	0.56	0.67	0.72	0.70	0.73
Canada	2.00	1.91	1.71	1.58	1.51	1.46	1.45	1.38
Chile	0.31	0.24	0.35	0.21	0.23	0.24	0.24	0.22
Colombia	1.00	1.00	1.15	1.03	1.00	1.00	1.00	0.98
Cuba	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ecuador		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mexico	0.94	0.83	0.79	0.53	0.46	0.42	0.40	0.33
Peru	1.00	1.00	1.39	1.61	1.69	1.78	1.69	1.68
Trinidad and Tobago	1.42	1.80	1.95	1.85	1.80	1.85	1.93	2.02
United States	0.82	0.83	0.89	0.98	0.96	1.00	1.01	1.08
Venezuela	1.00	1.00	0.92	0.98	1.00	1.00	1.00	1.00
Others Americas	0.10	0.04	0.03	0.01	0.01	0.01	0.01	0.01

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Natural Gas – Trade and Prices

Exports

Imports

Traded Gas

LNG – Liquefaction and Regasification Capacity

Natural Gas Balance – Italy

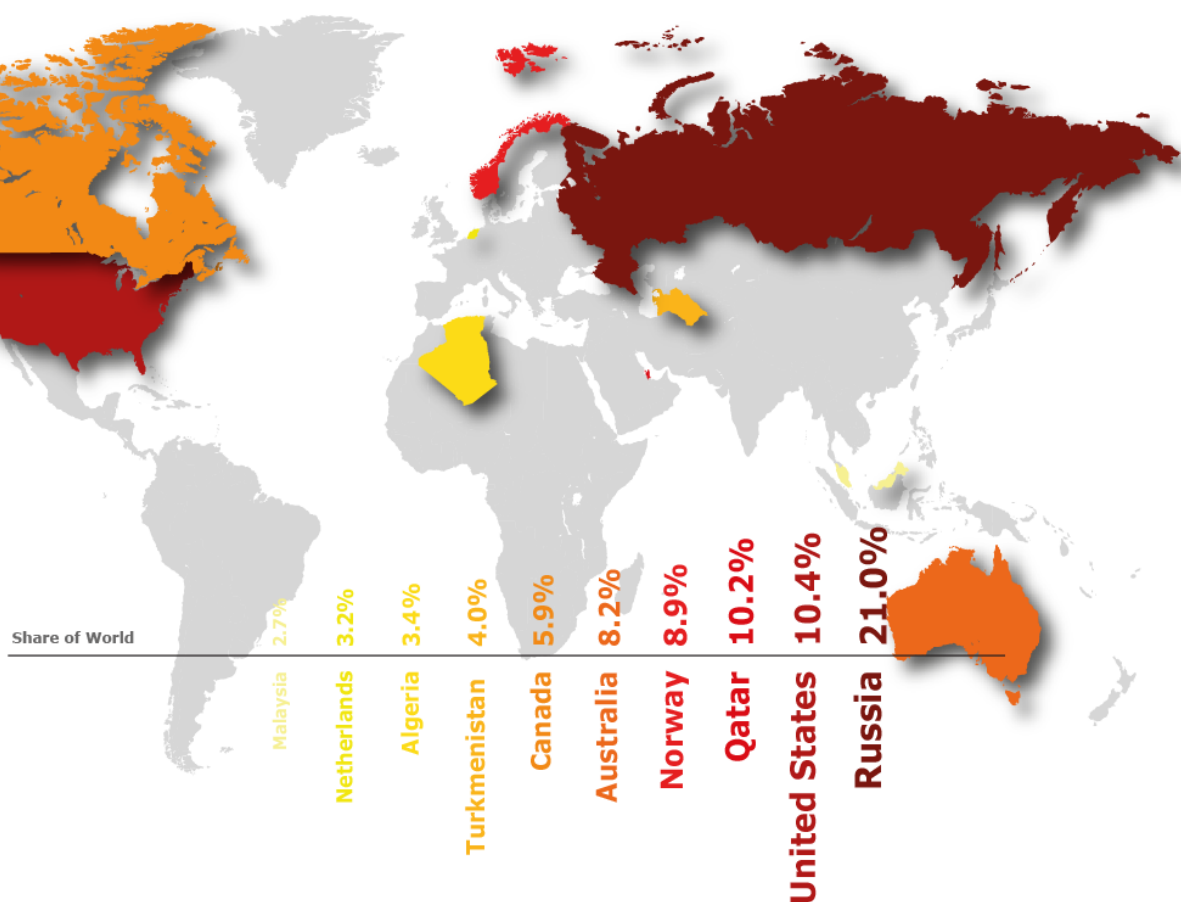
Natural Gas Prices

The World Top 10 Exporters^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia	182.12	194.71	179.31	191.86	203.66	218.13	234.27	262.38	12.0%	1.9%
United States	6.48	19.42	30.42	47.33	61.26	86.57	98.58	129.80	31.7%	17.1%
Qatar	14.32	30.35	98.76	128.23	131.05	128.07	126.69	128.32	1.3%	12.2%
Norway	49.01	82.54	102.90	112.52	112.54	120.94	117.77	111.17	-5.6%	4.4%
Australia	10.78	14.40	24.33	34.15	50.47	71.45	84.50	102.51	21.3%	12.6%
Canada	96.16	101.65	92.05	76.37	79.98	82.10	77.90	73.48	-5.7%	-1.4%
Turkmenistan	31.76	43.10	22.74	54.45	50.73	51.42	55.15	49.49	-10.3%	2.4%
Algeria	61.65	64.07	56.58	43.03	53.38	53.42	50.86	42.39	-16.7%	-2.0%
Netherlands	34.50	43.47	49.61	46.21	49.91	46.77	45.41	39.72	-12.5%	0.7%
Malaysia	20.74	28.89	31.20	32.70	32.91	35.91	31.78	33.69	6.0%	2.6%
The World Top 10	507.51	622.58	687.90	766.86	825.89	894.79	922.91	972.96	5.4%	3.5%
Rest of the World	120.84	222.54	266.18	280.23	260.40	286.30	263.14	279.09	6.1%	4.5%
World	628.35	845.13	954.08	1,047.09	1,086.29	1,181.08	1,186.05	1,252.05	5.6%	3.7%

The World Top 10 (2019)



^(*) Data source: the original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe										
Austria	0.02	1.03	4.74	5.56	6.69	5.26	5.04	2.71	-46.1%	30.4%
Belgium	0.00	0.00	3.20	1.68	0.67	0.73	1.32	3.91	197.0%	
Bulgaria	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.01	-39.9%	
Croatia	0.00	0.42	0.46	0.35	0.38	0.19	0.11	0.07	-36.3%	
Czech Republic	0.00	0.08	0.15	0.00	0.00	0.00	0.00	0.00		-100.0%
Denmark	3.35	5.83	3.67	2.29	2.21	2.33	1.60	1.37	-14.3%	-4.6%
France	0.79	1.05	2.97	5.66	3.88	6.31	6.19	11.26	82.1%	15.0%
Germany	4.91	19.72	19.95	31.68	22.48	31.29	0.00	0.00		-100.0%
Hungary	0.08	0.00	0.22	0.53	1.04	3.42	4.85	6.78	39.7%	26.7%
Italy	0.05	0.38	0.13	0.21	0.20	0.26	0.37	0.31	-16.7%	10.4%
Lithuania	0.00	0.00	0.00	0.09	0.04	0.20	0.18	0.50	188.2%	
Netherlands	34.50	43.47	49.61	46.21	49.91	46.77	45.41	39.72	-12.5%	0.7%
Norway	49.01	82.54	102.90	112.52	112.54	120.94	117.77	111.17	-5.6%	4.4%
Poland	0.04	0.04	0.04	0.05	0.83	1.18	0.66	0.67	2.6%	16.2%
Slovakia	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00		
Spain	0.00	0.00	1.17	5.13	4.03	2.92	3.29	1.18	-64.2%	
Turkey	0.00	0.00	0.62	0.60	0.65	0.60	0.64	0.73	13.3%	
Ukraine	2.80	2.59	0.01	0.00	0.00	0.00	0.00	0.00		-100.0%
United Kingdom	13.17	8.66	15.14	13.80	10.30	11.20	7.46	7.88	5.6%	-2.7%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia										
Russia	182.12	194.71	179.31	191.86	203.66	218.13	234.27	262.38	12.0%	1.9%
Azerbaijan	0.00	0.00	6.04	7.95	7.86	8.65	9.68	11.55	19.3%	
Kazakhstan	5.09	15.05	6.08	20.11	21.50	26.22	26.79	27.15	1.3%	9.2%
Turkmenistan	31.76	43.10	22.74	54.45	50.73	51.42	55.15	49.49	-10.3%	2.4%
Uzbekistan	6.50	11.75	12.32	11.36	11.07	9.69	14.09	16.04	13.9%	4.9%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East										
Iran	0.00	4.66	8.35	8.92	8.92	13.01	15.29	18.04	18.0%	
Oman	4.27	12.19	12.27	10.42	11.09	11.62	13.68	14.02	2.5%	6.5%
Qatar	14.32	30.35	98.76	128.23	131.05	128.07	126.69	128.32	1.3%	12.2%
United Arab Emirates	6.78	6.96	7.45	7.16	7.13	6.70	7.00	7.05	0.7%	0.2%
Yemen	0.00	0.00	5.30	1.89	0.00	0.00	0.00	0.00		

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa										
Algeria	61.65	64.07	56.58	43.03	53.38	53.42	50.86	42.39	-16.7%	-2.0%
Angola	0.00	0.00	0.00	0.00	0.86	4.71	5.06	5.61	10.8%	
Cameroon	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.62	108.1%	
Egypt	0.00	14.71	12.33	0.24	1.31	1.12	2.00	4.78	139.5%	
Equatorial Guinea	0.02	1.14	3.22	4.12	4.59	4.71	5.23	4.25	-18.9%	31.9%
Libya	0.76	5.20	9.26	6.75	4.56	4.37	4.27	5.46	27.6%	10.9%
Mozambique	0.00	2.15	3.04	3.87	4.08	4.10	3.98	3.97	0.0%	
Nigeria	5.14	12.52	20.65	25.01	22.59	26.37	25.96	27.49	5.9%	9.2%
Others Africa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

^(*) Data source: the original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific										
Australia	10.78	14.40	24.33	34.15	50.47	71.45	84.50	102.51	21.3%	12.6%
Brunei	8.87	9.49	8.83	8.36	7.88	8.23	8.89	8.95	0.6%	0.0%
China	2.33	2.89	3.92	3.16	3.29	3.44	3.30	3.40	3.3%	2.0%
Indonesia	40.24	42.22	41.85	32.13	29.62	27.64	27.52	22.84	-17.0%	-2.9%
Malaysia	20.74	28.89	31.20	32.70	32.91	35.91	31.78	33.69	6.0%	2.6%
Myanmar	4.63	9.32	10.34	13.66	14.51	14.31	13.32	14.41	8.2%	6.2%
Others Asia - Pacific	0.00	0.00	5.64	7.43	8.22	7.84	7.47	8.76	17.4%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas										
Argentina	4.52	6.65	0.46	0.09	0.06	0.08	0.43	0.27	-38.1%	-13.8%
Bolivia	2.05	10.03	11.24	16.88	15.50	14.85	13.48	11.28	-16.3%	9.4%
Canada	96.16	101.65	92.05	76.37	79.98	82.10	77.90	73.48	-5.7%	-1.4%
Chile	0.00	0.00	0.00	0.00	0.35	0.21	0.16	0.00	-100.0%	
Colombia	0.00	0.00	1.39	0.33	0.00	0.00	0.00	0.00		
Mexico	0.24	0.25	0.92	0.03	0.03	0.02	0.01	0.05	278.6%	-8.0%
Peru	0.00	0.00	2.48	5.58	6.69	6.37	5.84	6.30	7.8%	
Trinidad and Tobago	4.22	13.72	20.33	17.05	14.48	14.92	16.82	18.08	7.5%	8.0%
United States	6.48	19.42	30.42	47.33	61.26	86.57	98.58	129.80	31.7%	17.1%
Others Americas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

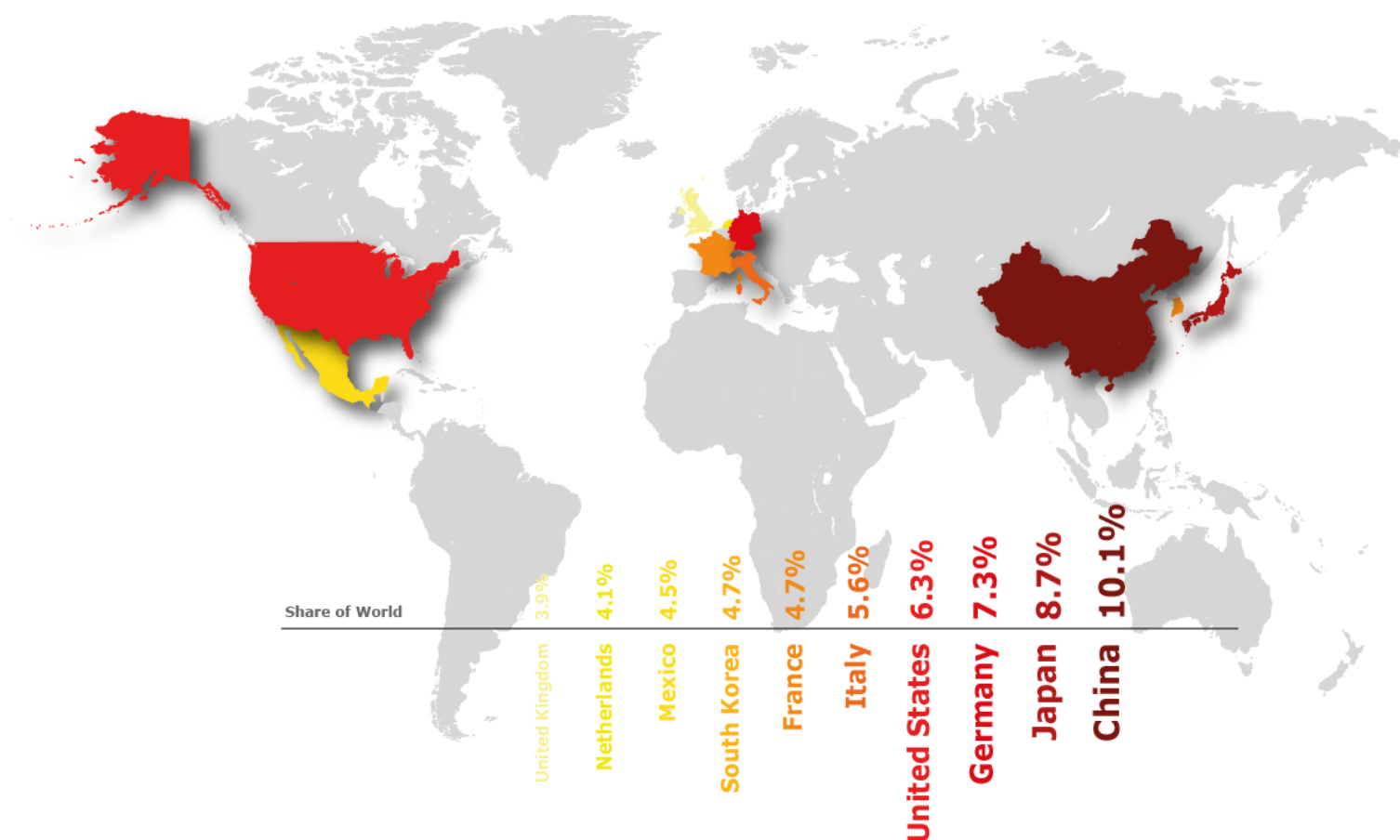
^(*) Data source: the original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

The World Top 10 Importers^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
China	0.00	0.00	14.64	56.58	68.69	86.37	113.83	121.65	6.9%	
Japan	73.81	78.92	96.12	113.79	115.39	114.22	109.72	104.24	-5.0%	1.8%
Germany	71.04	91.76	91.65	99.92	94.92	111.35	82.03	88.46	7.8%	1.2%
United States	102.09	117.32	101.09	73.15	80.88	81.88	77.55	76.44	-1.4%	-1.5%
Italy	54.72	69.97	71.77	58.36	62.18	66.34	64.65	67.54	4.5%	1.1%
France	42.40	48.41	48.98	45.80	47.96	50.19	50.92	56.69	11.3%	1.5%
South Korea	19.85	30.37	45.69	45.29	46.06	50.74	57.74	56.12	-2.8%	5.6%
Mexico	2.80	8.94	14.70	35.09	41.35	41.53	44.88	54.56	21.6%	16.9%
Netherlands	14.51	19.12	21.46	34.00	38.45	45.20	50.76	49.19	-3.1%	6.6%
United Kingdom	2.34	15.60	54.56	44.59	47.42	46.53	46.54	46.61	0.2%	17.0%
The World Top 10	383.57	480.40	560.67	606.57	643.30	694.34	698.62	721.51	3.3%	3.4%
Rest of the World	238.52	343.43	396.31	415.49	419.72	457.94	446.96	482.84	8.0%	3.8%
World	622.08	823.83	956.98	1,022.06	1,063.02	1,152.29	1,145.58	1,204.35	5.1%	3.5%

The World Top 10 (2019)



^(*) Data source: the original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe										
Austria	6.19	9.35	11.85	11.36	13.79	13.42	12.59	13.67	8.6%	4.3%
Belarus	16.53	19.43	20.83	18.14	18.00	18.36	19.63	18.86	-3.9%	0.7%
Belgium	15.44	17.23	22.73	17.79	17.31	17.29	18.76	21.84	16.4%	1.8%
Bosnia Herzegovina	0.23	0.35	0.23	0.21	0.21	0.23	0.23	0.22	-3.7%	-0.2%
Bulgaria	3.19	2.86	2.48	2.93	3.02	3.17	3.01	2.86	-5.1%	-0.6%
Croatia	1.05	1.08	1.01	1.01	1.22	1.75	1.53	1.93	26.0%	3.2%
Czech Republic	8.70	8.84	8.11	7.17	7.81	8.53	7.68	9.14	19.0%	0.3%
Denmark	0.00	0.00	0.16	0.69	0.71	0.54	0.40	1.16	187.7%	
Estonia	0.77	0.93	0.65	0.45	0.50	0.47	0.48	0.44	-8.0%	-2.9%
Finland	3.99	4.19	4.46	2.60	2.39	2.23	2.53	2.45	-3.4%	-2.5%
France	42.40	48.41	48.98	45.80	47.96	50.19	50.92	56.69	11.3%	1.5%
Germany	71.04	91.76	91.65	99.92	94.92	111.35	82.03	88.46	7.8%	1.2%
Greece	1.96	2.71	3.76	3.11	4.03	4.91	4.82	5.18	7.5%	5.2%
Hungary	8.54	11.41	9.20	6.60	8.40	12.98	12.35	18.08	46.4%	4.0%
Ireland	2.88	3.50	5.21	4.21	1.98	1.64	2.02	2.81	38.9%	-0.1%
Italy	54.72	69.97	71.77	58.36	62.18	66.34	64.65	67.54	4.5%	1.1%
Latvia	1.29	1.67	1.05	1.26	1.07	1.18	1.34	1.28	-4.5%	0.0%
Lithuania	2.40	2.90	2.89	2.49	2.20	2.42	2.22	2.67	20.5%	0.6%
Luxembourg	0.78	1.37	1.39	0.89	0.82	0.81	0.80	0.80	0.1%	0.1%
Macedonia	0.06	0.07	0.11	0.13	0.20	0.26	0.24	0.28	16.3%	8.3%
Malta	0.00	0.00	0.00	0.00	0.00	0.30	0.37	0.37	-1.1%	
Moldova	2.47	2.78	2.69	2.48	2.50	2.30	2.49	2.55	2.3%	0.2%
Netherlands	14.51	19.12	21.46	34.00	38.45	45.20	50.76	49.19	-3.1%	6.6%
Poland	7.72	9.96	10.36	11.62	14.17	15.15	15.21	17.03	12.0%	4.2%
Portugal	2.37	4.53	5.24	4.73	4.96	6.32	5.90	6.14	4.0%	5.1%
Romania	3.15	4.87	2.11	0.19	1.37	1.11	1.41	2.59	84.2%	-1.0%
Serbia	1.06	2.00	1.82	1.61	1.66	2.02	2.04	1.99	-2.1%	3.4%
Slovakia	6.64	7.03	5.82	4.29	4.21	5.08	4.25	6.26	47.5%	-0.3%
Slovenia	0.95	1.08	1.00	0.77	0.82	0.85	0.84	0.85	1.5%	-0.6%
Spain	17.99	35.18	37.16	32.78	32.79	35.04	35.23	37.65	6.9%	4.0%
Sweden	0.90	0.98	1.70	0.84	0.95	1.10	1.21	1.20	-0.7%	1.5%
Switzerland	2.83	3.24	3.50	3.32	3.48	3.50	3.32	3.41	2.6%	1.0%
Turkey	14.02	25.74	36.42	46.38	44.39	52.90	48.15	43.25	-10.2%	6.1%
Ukraine	57.77	58.72	34.38	15.46	10.24	13.10	9.84	10.95	11.4%	-8.4%
United Kingdom	2.34	15.60	54.56	44.59	47.42	46.53	46.54	46.61	0.2%	17.0%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia										
Russia	12.24	7.21	4.07	8.41	8.54	8.39	8.97	8.71	-2.9%	-1.8%
Armenia	1.30	1.56	1.59	2.28	2.15	2.29	2.36	2.43	3.1%	3.3%
Azerbaijan	0.28	4.41	0.00	0.00	0.29	2.06	1.76	1.21	-31.0%	8.1%
Georgia	1.04	1.22	1.17	2.50	2.26	2.38	2.37	2.54	7.1%	4.8%
Kazakhstan	4.12	10.95	3.43	5.45	6.82	6.42	9.70	8.34	-14.0%	3.8%
Kyrgyzstan	0.64	0.69	0.27	0.24	0.25	0.27	0.30	0.29	-2.5%	-4.0%
Tajikistan	0.69	0.60	0.17	0.00	0.00	0.00	0.05	0.14	156.4%	-8.1%
Uzbekistan	1.54	1.04	0.02	0.08	0.08	0.00	0.00	0.00		-100.0%

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Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East										
Iran	3.23	5.09	8.85	8.43	5.77	3.80	1.57	1.57	0.0%	-3.7%
Israel	0.00	0.00	2.01	0.11	0.30	0.43	0.55	0.72	31.0%	
Jordan	0.00	1.40	2.50	2.14	4.64	5.05	4.20	2.36	-43.8%	
Kuwait	0.00	0.00	2.65	3.79	4.71	5.25	4.73	4.95	4.7%	
Oman	0.00	0.00	1.97	2.06	2.04	2.04	1.66	1.66	0.0%	
United Arab Emirates	0.00	1.33	16.54	20.41	19.95	20.27	18.52	19.38	4.6%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa										
Egypt	0.00	0.00	0.00	6.62	9.08	7.64	2.91	0.09	-96.9%	
Ghana	0.00	0.00	0.41	0.54	0.11	0.31	0.67	0.67	0.0%	
Morocco	0.00	0.40	0.61	1.10	1.13	1.12	1.00	0.93	-6.8%	
South Africa	0.00	1.13	3.04	3.87	4.08	4.10	3.66	3.51	-4.1%	
Tunisia	0.99	1.28	2.34	2.95	3.41	3.83	4.01	3.27	-18.6%	6.5%
Others Africa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific										
Australia	0.00	0.00	4.44	5.02	5.66	5.16	4.66	5.05	8.3%	
China	0.00	0.00	14.64	56.58	68.69	86.37	113.83	121.65	6.9%	
Hong Kong	2.85	2.55	3.64	3.09	3.17	3.16	3.06	3.16	3.2%	0.5%
India	0.00	6.83	13.30	22.14	25.72	28.40	29.70	32.08	8.0%	
Japan	73.81	78.92	96.12	113.79	115.39	114.22	109.72	104.24	-5.0%	1.8%
Malaysia	0.00	1.56	8.16	9.09	7.94	8.14	8.09	9.79	21.0%	
Singapore	1.30	5.83	7.55	9.89	10.13	10.33	10.42	10.38	-0.4%	11.5%
South Korea	19.85	30.37	45.69	45.29	46.06	50.74	57.74	56.12	-2.8%	5.6%
Taiwan	6.01	8.83	13.68	17.85	18.60	20.70	21.13	20.94	-0.9%	6.8%
Thailand	2.01	8.64	9.58	13.91	13.54	14.41	14.71	14.89	1.2%	11.1%
Others Asia - Pacific	0.00	0.00	0.15	0.00	0.01	0.17	0.25	0.25	0.0%	

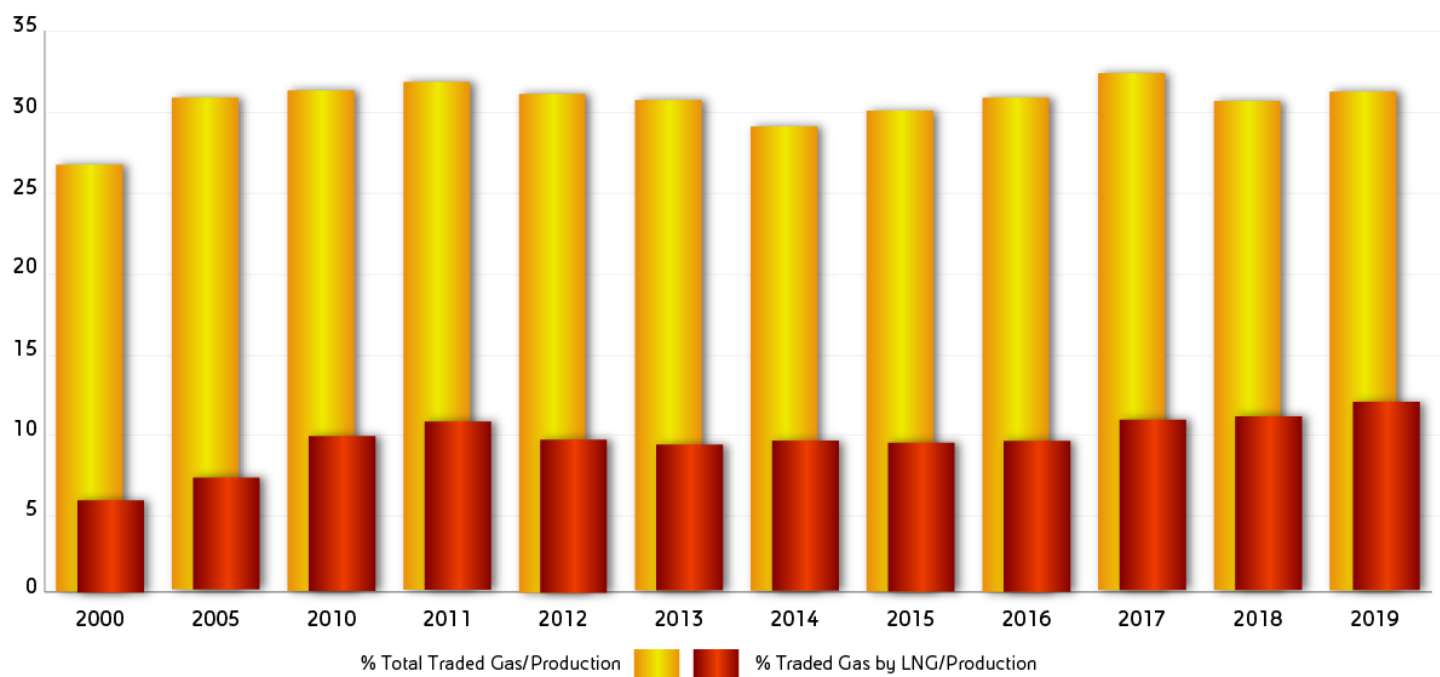
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas										
Argentina	0.00	1.68	3.47	11.12	10.63	11.07	9.49	6.63	-30.2%	
Brazil	2.20	8.96	12.60	18.33	11.68	10.68	10.55	9.76	-7.5%	8.2%
Canada	1.55	9.11	21.78	19.25	19.85	24.41	22.44	23.54	4.9%	15.4%
Chile	4.27	6.14	3.50	3.64	4.25	4.08	4.02	5.00	24.3%	0.8%
Colombia	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.26	1989.7%	
Dominican Republic	0.00	0.24	0.79	1.11	1.02	1.22	1.19	1.51	26.3%	
Jamaica	0.00	0.00	0.00	0.00	0.02	0.08	0.09	0.13	40.4%	
Mexico	2.80	8.94	14.70	35.09	41.35	41.53	44.88	54.56	21.6%	16.9%
United States	102.09	117.32	101.09	73.15	80.88	81.88	77.55	76.44	-1.4%	-1.5%
Uruguay	0.04	0.10	0.07	0.05	0.06	0.07	0.06	0.08	31.7%	4.7%
Venezuela	0.00	0.00	1.95	0.36	0.00	0.00	0.00	0.00		
Others Americas	0.33	0.66	0.75	1.44	1.65	1.37	1.33	1.61	21.2%	8.7%

^(*) Data source: the original data are from IEA (2020) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

	Traded Gas by LNG/ Total Traded Gas (%)	Traded Gas by Pipeline/ Total Traded Gas (%)	Total Traded Gas / Production (%)	Traded Gas by LNG/ Production (%)	Traded Gas by Pipeline/ Production (%)
2000	22.20	77.80	27.04	6.00	21.04
2005	22.99	77.01	31.01	7.13	23.88
2010	30.71	69.29	31.43	9.65	21.78
2011	32.45	67.56	32.17	10.44	21.74
2012	31.26	68.74	31.35	9.80	21.55
2013	30.05	69.95	30.77	9.25	21.53
2014	31.50	68.50	29.48	9.29	20.19
2015	31.26	68.74	30.34	9.48	20.85
2016	31.36	68.64	31.08	9.75	21.33
2017	32.46	67.54	32.56	10.57	21.99
2018	34.31	65.69	30.78	10.56	20.22
2019	38.07	61.93	31.25	11.90	19.35

Total Traded Gas on Production

(percentage)



Liquefaction Capacity - Countries^(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe			5.6	5.6	5.6	5.6	5.6	5.6
Norway			5.6	5.6	5.6	5.6	5.6	5.6
Russia and Central Asia			13.0	15.0	15.0	15.7	26.3	38.2
Russia			13.0	15.0	15.0	15.7	26.3	38.2
Middle East	33.7	47.5	113.2	136.5	136.5	136.5	136.5	136.5
Oman	7.1	10.1	14.2	14.2	14.2	14.2	14.2	14.2
Qatar	19.1	29.8	83.4	105.6	105.6	105.6	105.6	105.6
United Arab Emirates	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Yemen			8.0	9.1	9.1	9.1	9.1	9.1
Africa	42.0	55.0	82.3	83.6	83.6	83.6	85.6	86.9
Algeria	31.8	28.1	27.9	31.1	31.1	31.1	31.1	31.1
Angola				7.1	7.1	7.1	7.1	7.1
Cameroon							2.0	3.3
Egypt		11.1	16.6	9.8	9.8	9.8	9.8	9.8
Equatorial Guinea			5.6	5.6	5.6	5.6	5.6	5.6
Libya	2.2	2.2	2.2					
Nigeria	8.1	13.6	30.1	30.1	30.1	30.1	30.1	30.1
Asia - Pacific	83.1	92.4	113.9	126.5	154.4	179.8	194.0	212.3
Australia	10.4	16.1	28.2	45.1	69.8	90.3	103.3	120.6
Brunei	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Indonesia	41.3	35.7	42.3	26.7	28.6	28.6	28.6	28.6
Malaysia	21.6	30.8	33.7	34.9	36.2	41.0	41.4	41.4
Papua New Guinea				10.1	10.1	10.1	10.9	11.9
Americas	6.1	15.6	26.0	28.7	36.6	50.4	61.2	84.8
Argentina								0.4
Peru			3.3	6.0	6.0	6.0	6.0	6.0
Trinidad and Tobago	4.1	13.6	20.6	20.6	20.7	20.7	20.7	20.7
United States	2.0	2.0	2.0	2.0	9.9	23.8	34.5	57.8
World	164.9	210.5	353.9	396.0	431.7	471.6	509.1	564.3

^(*) Nominal Capacity. Data source: Wood Mackenzie *LNG Tool*.

Regasification Capacity - Countries(*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Europe	46.4	73.2	175.9	201.0	211.5	223.8	228.7	232.7
Belgium	4.5	4.5	9.0	9.0	9.0	9.0	9.0	9.0
France	15.5	15.5	26.5	22.3	28.0	34.7	34.7	34.7
Greece	1.3	1.3	5.4	5.4	5.4	5.4	5.4	7.6
Italy	3.5	3.5	11.5	15.3	15.3	15.3	15.3	15.3
Lithuania				4.0	4.0	4.0	4.0	4.0
Malta					0.1	0.6	0.6	0.6
Netherlands				12.7	12.7	12.7	12.7	12.7
Poland				0.3	5.0	5.0	5.0	5.0
Portugal		5.6	5.6	8.3	8.3	8.3	8.3	8.3
Spain	15.2	34.2	62.4	63.6	63.6	63.6	63.6	63.6
Turkey	6.3	6.3	12.3	12.3	12.5	17.5	22.4	24.0
United Kingdom		2.3	43.2	47.9	47.9	47.9	47.9	47.9
Russia and Central Asia								3.6
Russia								3.6
Middle East			5.5	17.1	25.4	28.5	28.5	28.0
Israel				2.7	2.7	2.7	2.7	2.3
Jordan				3.1	5.2	5.2	5.2	5.2
Kuwait			5.2	6.6	6.6	6.6	6.6	6.6
United Arab Emirates			0.3	4.7	10.9	14.0	14.0	14.0
Africa				4.8	10.3	10.3	9.3	5.2
Egypt				4.8	10.3	10.3	9.3	5.2
Asia - Pacific	278.9	346.2	428.8	564.3	586.7	617.3	652.8	676.1
Bangladesh							3.9	8.7
China			17.6	62.0	70.3	80.0	88.7	97.0
India		9.4	18.4	34.1	36.3	41.5	41.8	48.2
Indonesia				11.3	12.4	12.5	12.5	12.5
Japan	227.3	243.3	258.6	283.2	288.1	290.4	294.4	294.6
Malaysia				5.2	5.2	6.0	10.0	10.0
Pakistan				4.6	6.1	6.6	12.3	12.3
Singapore				8.2	8.2	8.2	15.1	15.1
South Korea	45.6	82.8	115.1	128.0	130.4	136.2	136.5	136.7
Taiwan	5.9	10.7	19.1	21.0	22.8	22.8	24.0	25.5
Thailand				6.8	6.8	13.1	13.7	15.7
Americas	11.5	34.5	188.9	243.7	244.9	249.0	251.3	251.2
Argentina			4.1	11.3	11.3	11.3	10.4	6.1
Brazil			7.7	14.9	14.9	14.9	14.9	14.9
Canada			10.3	10.3	10.3	10.3	10.3	10.3
Chile			5.3	7.3	7.5	7.5	7.5	7.5
Colombia					0.7	4.1	4.1	4.1
Dominican Republic		2.6	2.6	3.9	3.9	3.9	3.9	3.9
Jamaica					0.4	1.0	3.4	5.8
Mexico			15.5	20.7	20.7	20.7	20.7	20.7
Panama							0.9	2.6
United States (**)	12	31.9	143.4	175.3	175.3	175.3	175.3	175.4
World	336.7	453.8	799.0	1030.8	1078.8	1128.9	1170.5	1196.7

(*) Data source: Wood Mackenzie *LNG Tool*.

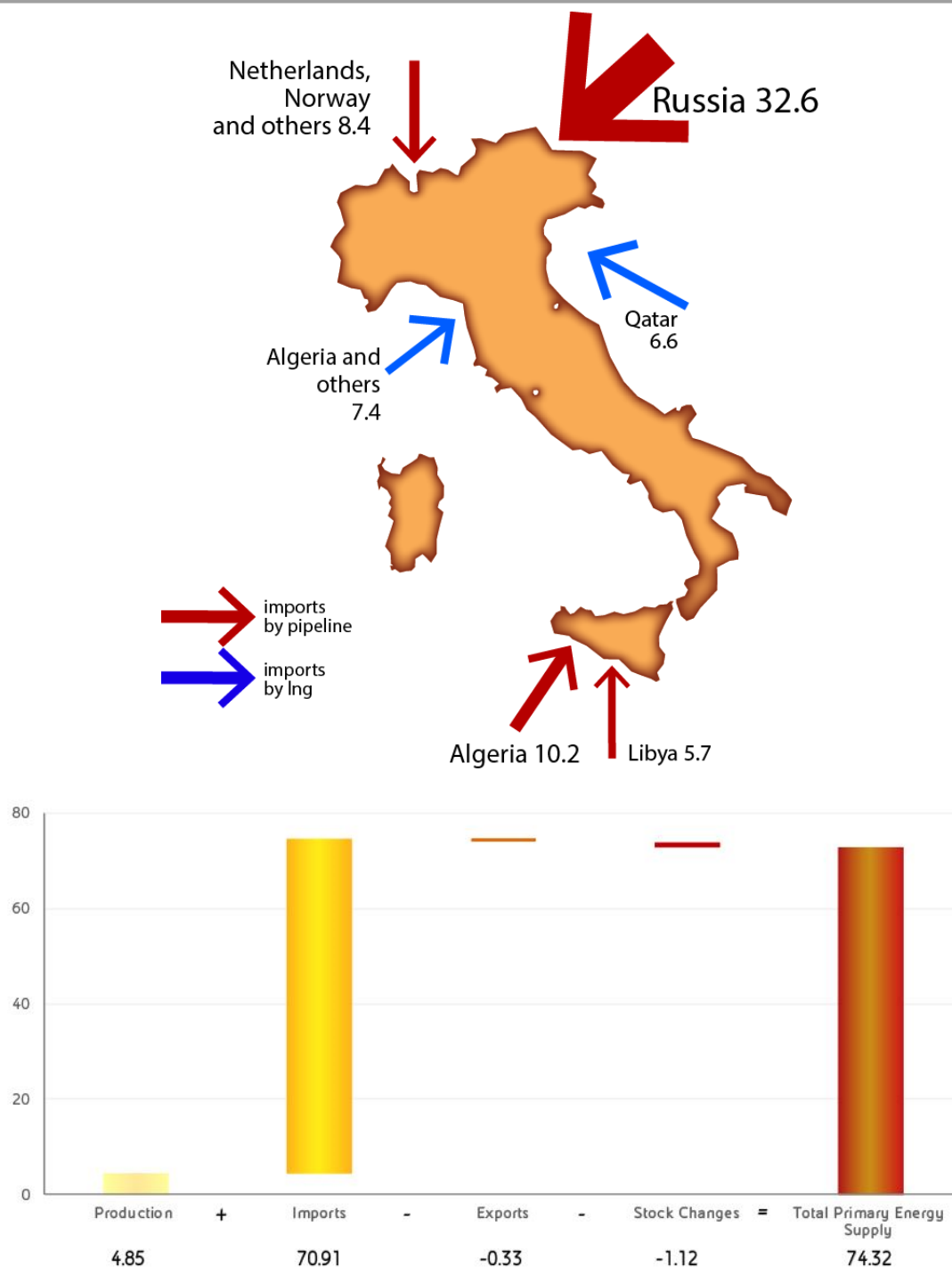
(**) The United States includes Puerto Rico.

Italy (*)

(billion cubic metres)

	2000	2005	2010	2015	2016	2017	2018	2019
Production	16.63	12.07	8.41	6.77	5.79	5.54	5.44	4.85
Imports	57.45	73.46	75.35	61.20	65.28	69.65	67.87	70.91
Exports	-0.05	-0.40	-0.14	-0.22	-0.21	-0.27	-0.40	-0.33
Stock Changes	-3.29	1.13	-0.52	-0.23	0.06	0.24	-0.26	-1.12
Total Primary Energy Supply	70.75	86.27	83.10	67.52	70.91	75.15	72.66	74.32

2019

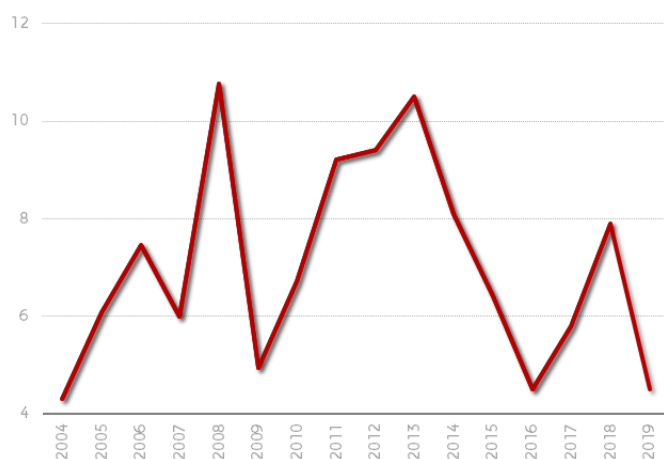


(*) Data source: Italian Ministry for Economic Development. Gas volumes are quoted in Italian calorific value of 38.1 MJ/cm.

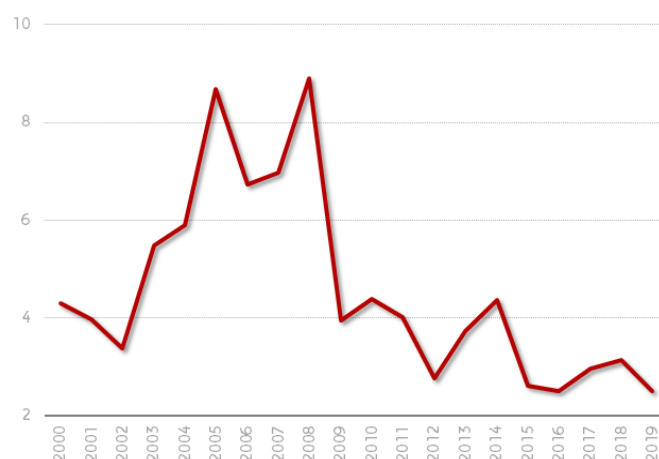
Natural Gas Prices^(*) (\$/Mbtu)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
TTF		6.1	6.7	6.4	4.5	5.8	7.9	4.5	-43.0%	-4.3%
Henry Hub	4.3	8.7	4.4	2.6	2.5	3.0	3.1	2.5	-19.9%	-6.0%
Japan			7.7	8.2	6.2	7.4	10.3	6.2	-40.0%	-2.4%

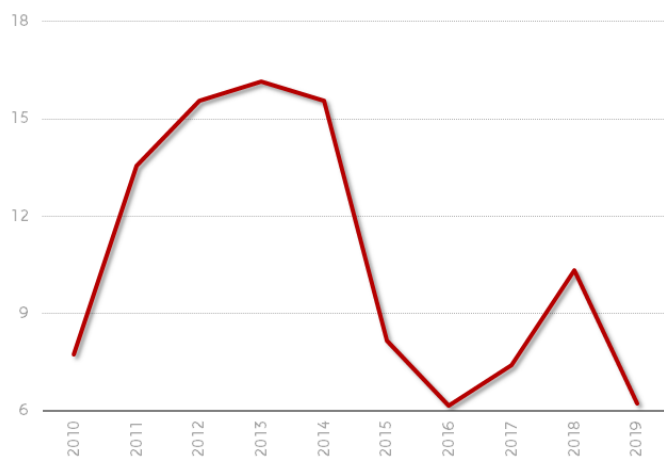
TTF^(*) (\$/Mbtu)



Henry Hub^(*) (\$/Mbtu)



Japan^(*) (\$/Mbtu)



^(*) Data source: ICE London, Wood Mackenzie and EIA DOE.

Renewables

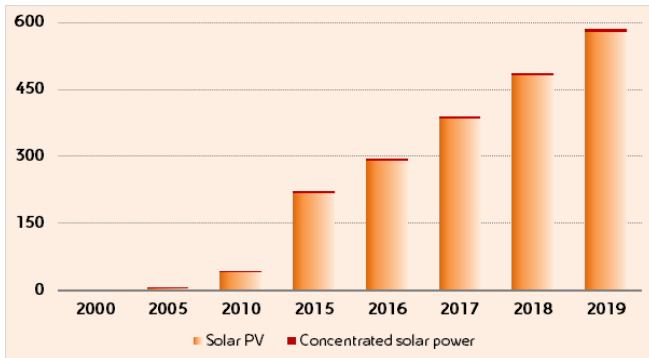
Solar Photovoltaic

Concentrated Solar Power

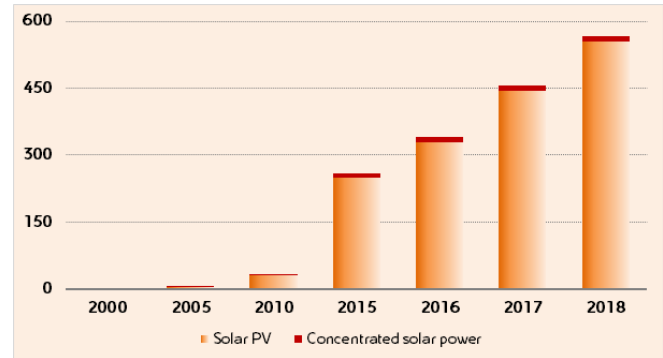
Wind

Biofuels

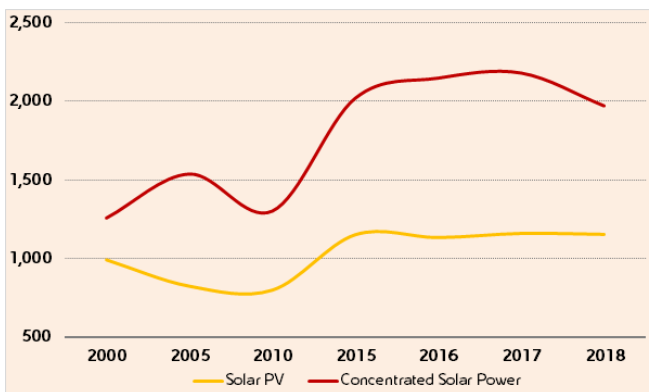
Solar Power Capacity
(GW)



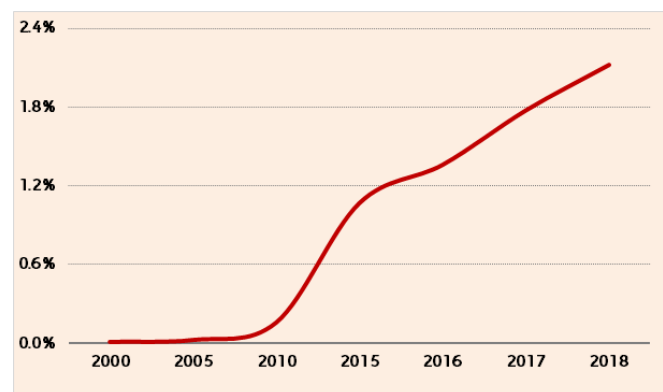
Solar Power Generation
(TWh)



Capacity Factor
(hours per year - world average)



Share of Solar on Total Power Generation



Areas and Aggregates^(*)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Europe	199	2,317	30,123	97,529	104,615	113,633	124,269	144,534	16.3%	19.0%
Russia and Central Asia		0	3	211	262	435	1,081	1,978	82.9%	106.6%
Middle East	0	1	85	1,007	1,498	2,087	3,351	5,561	65.9%	59.2%
Africa	11	26	194	1,923	2,972	3,723	5,195	6,365	22.5%	47.4%
Asia - Pacific	396	1,658	6,593	90,474	143,051	213,876	282,956	343,159	21.3%	55.1%
Americas	202	545	3,281	26,197	38,683	49,841	64,131	76,956	20.0%	42.0%
- North America	183	510	3,130	24,201	35,619	44,270	54,526	63,850	17.1%	39.8%
- Central South America	19	35	151	1,996	3,064	5,571	9,605	13,107	36.5%	64.2%
World	808	4,548	40,279	217,341	291,079	383,596	480,984	578,553	20.3%	34.5%
European Union	177	2,279	29,978	94,977	101,035	106,853	114,744	129,759	13.1%	17.7%
MENA	8	14	119	1,133	1,828	2,732	4,780	7,902	65.3%	59.4%
OECD	755	4,329	38,653	158,005	188,597	214,721	250,904	293,354	16.9%	25.3%
NON OECD	53	218	1,626	59,336	102,482	168,875	230,080	285,199	24.0%	77.6%
OPEC	0	2	28	224	464	1,012	1,565	3,259	108.2%	70.0%
NON OPEC	808	4,545	40,251	217,118	290,615	382,584	479,418	575,293	20.0%	34.4%

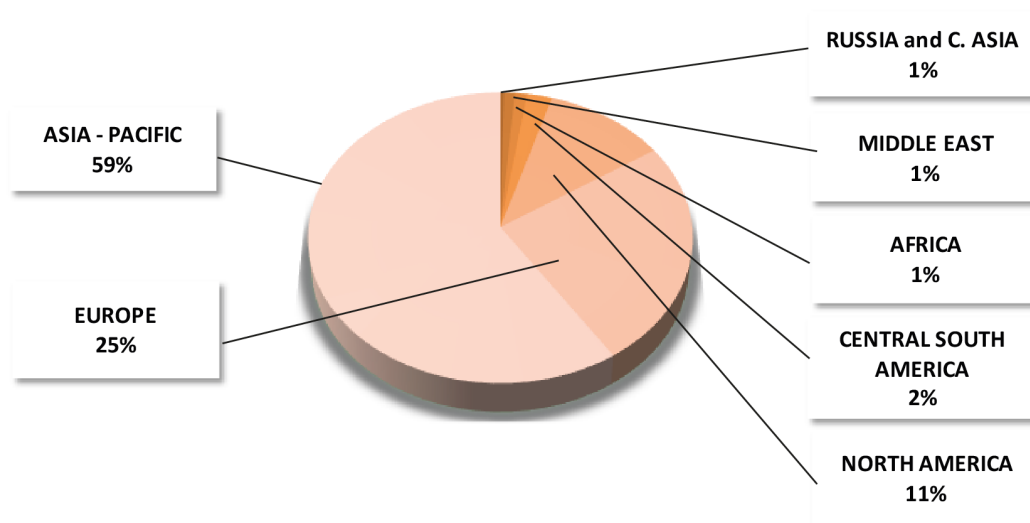
The World Top 10^(**)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
China	34	141	1,022	43,538	77,788	130,801	175,016	205,072	17.2%	80.2%
Japan	330	1,421	3,599	28,615	38,438	44,226	55,500	61,840	11.4%	37.2%
United States	176	493	2,909	21,684	32,958	41,357	51,426	60,540	17.7%	40.1%
Germany	114	2,056	18,004	39,222	40,677	42,291	45,179	49,016	8.5%	11.8%
India	1	12	65	5,365	9,651	17,923	27,127	34,831	28.4%	100.9%
Italy	19	34	3,592	18,901	19,283	19,682	20,108	20,900	3.9%	21.6%
United Kingdom	2	11	95	9,601	11,930	12,782	13,118	13,616	3.8%	73.6%
Australia	25	52	1,088	5,943	6,686	7,352	8,625	13,250	53.6%	32.0%
France	7	13	1,044	7,138	7,702	8,610	9,617	10,562	9.8%	29.3%
South Korea	4	14	650	3,615	4,502	5,835	7,130	10,505	47.3%	36.2%
The World Top 10	712	4,247	32,068	183,622	249,615	330,860	412,845	480,133	16.3%	35.1%
Rest of the World	97	301	8,211	33,720	41,465	52,735	68,139	98,420	44.4%	31.8%
World	808	4,548	40,279	217,341	291,079	383,596	480,984	578,553	20.3%	34.5%

World Solar Photovoltaic Power Capacity (2019)

578,553MW



^(*) Data source: Eni's calculations on IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency Abu Dhabi, data.

^(**) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)
 (MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Europe	199	2,317	30,123	97,529	104,615	113,633	124,269	144,534	16.3%	19.0%
Austria	5	21	89	937	1,096	1,269	1,438	1,578	9.7%	37.7%
Belarus				13	51	153	157	157	0.0%	
Belgium		2	1,007	3,132	3,327	3,616	3,987	4,531	13.6%	18.2%
Bulgaria			25	1,029	1,028	1,036	1,033	1,065	3.1%	51.7%
Croatia			0	48	56	60	68	69	1.5%	82.9%
Cyprus		1	7	76	84	110	118	129	8.5%	38.2%
Czech Republic	0	1	1,727	2,075	2,068	2,070	2,075	2,070	-0.2%	2.0%
Denmark	1	3	7	782	851	906	998	1,079	8.1%	75.0%
Estonia			0	7	10	15	32	107	235.4%	117.1%
Finland	2	4	7	17	39	82	140	215	53.9%	46.3%
France	7	13	1,044	7,138	7,702	8,610	9,617	10,562	9.8%	29.3%
Germany	114	2,056	18,004	39,222	40,677	42,291	45,179	49,016	8.5%	11.8%
Greece		1	202	2,604	2,604	2,606	2,652	2,763	4.2%	33.7%
Hungary			2	172	235	344	726	1,277	75.9%	105.0%
Ireland			1	2	6	16	24	36	49.4%	55.2%
Italy	19	34	3,592	18,901	19,283	19,682	20,108	20,900	3.9%	21.6%
Lithuania			0	69	70	74	82	103	25.6%	116.2%
Luxembourg		24	29	116	122	128	131	150	14.8%	19.8%
Macedonia				17	17	17	21	26	27.0%	
Malta		0	1	75	94	112	131	154	17.1%	79.4%
Netherlands	13	51	90	1,515	2,049	2,903	4,522	6,725	48.7%	61.5%
Norway	6	7	9	15	27	45	68	90	32.2%	29.1%
Poland				108	187	287	562	1,300	131.3%	
Portugal	1	2	134	447	513	579	667	828	24.0%	22.4%
Romania				1,326	1,372	1,374	1,386	1,386	0.0%	
Slovakia			19	533	533	528	472	472	0.0%	42.9%
Slovenia			12	238	233	247	221	222	0.4%	38.3%
Spain	10	52	3,873	4,704	4,713	4,723	4,764	8,761	83.9%	9.5%
Sweden	3	4	11	104	153	402	492	644	30.9%	57.2%
Switzerland	16	28	125	1,394	1,664	1,906	2,171	2,524	16.3%	39.6%
Turkey		2	6	249	833	3,421	5,063	5,995	18.4%	116.7%
Ukraine			3	841	955	1,200	2,003	5,936	196.4%	137.2%
United Kingdom	2	11	95	9,601	11,930	12,782	13,118	13,616	3.8%	73.6%
Others Europe	0	1	3	22	34	40	46	50	9.0%	38.2%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Russia and Central Asia		0	3	211	262	435	1,081	1,978	82.9%	106.6%
Russia				61	76	225	535	1,064	98.7%	
Armenia					1	2	17	50	188.7%	
Azerbaijan			0	5	25	28	35	37	5.7%	70.7%
Georgia					0	0	0	1	150.4%	
Kazakhstan		0	3	144	157	175	490	823	67.9%	89.7%
Uzbekistan				1	2	3	4	4	0.0%	

^(*) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Middle East	0	1	85	1,007	1,498	2,087	3,351	5,561	65.9%	59.2%
Bahrain				5	6	6	6	6	0.0%	
Iran			0	9	43	184	286	367	28.2%	114.1%
Iraq				37	37	37	216	216	0.0%	
Israel		1	70	766	866	969	1,070	1,190	11.2%	37.0%
Jordan				39	313	384	841	1,240	47.5%	
Kuwait				3	31	32	43	43	0.6%	
Lebanon			0	11	24	38	56	56	0.0%	76.9%
Oman				2	2	8	8	8	0.0%	
Qatar				4	5	5	5	5	0.0%	
Saudi Arabia	0	0	2	24	24	34	34	344	901.5%	74.0%
United Arab Emirates			11	35	42	255	494	1,785	261.5%	76.4%
Yemen			1	60	80	100	250	250	0.0%	84.5%
Others Middle East				12	25	35	41	50	20.8%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Africa	11	26	194	1,923	2,972	3,723	5,195	6,365	22.5%	47.4%
Algeria				49	219	400	423	423	0.0%	
Angola		1	7	13	13	13	13	13	0.0%	7.3%
Dem.Rep.Congo				1	3	5	19	19	0.0%	
Egypt	0	1	15	25	48	169	750	1,647	119.6%	68.6%
Ghana				30	34	39	63	63	0.6%	
Kenya			0	31	32	38	93	95	2.2%	98.7%
Mauritania				18	35	35	87	88	0.8%	
Morocco	7	10	14	20	22	24	204	204	0.1%	35.2%
Mozambique				10	13	15	15	55	266.7%	
Namibia	1	2	4	21	36	70	88	135	54.2%	47.0%
Nigeria				17	18	19	19	28	46.5%	
Senegal	1	2	3	11	43	113	134	134	0.0%	51.0%
South Africa			2	1,252	1,974	2,186	2,559	2,561	0.1%	122.0%
Tunisia	1	1	2	27	37	47	47	62	31.9%	50.1%
Uganda	0	3	15	22	24	46	48	82	71.2%	20.9%
Others Africa	1	7	132	378	420	504	634	757	19.4%	21.4%

(*) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Asia - Pacific	396	1,658	6,593	90,474	143,051	213,876	282,956	343,159	21.3%	55.1%
Australia	25	52	1,088	5,943	6,686	7,352	8,625	13,250	53.6%	32.0%
Bangladesh		2	32	145	161	185	201	284	41.2%	27.3%
China	34	141	1,022	43,538	77,788	130,801	175,016	205,072	17.2%	80.2%
India	1	12	65	5,365	9,651	17,923	27,127	34,831	28.4%	100.9%
Indonesia	0	1	15	51	58	60	62	198	218.1%	33.6%
Japan	330	1,421	3,599	28,615	38,438	44,226	55,500	61,840	11.4%	37.2%
Malaysia			1	229	279	370	536	882	64.6%	127.3%
Pakistan			9	230	546	1,018	1,169	1,329	13.7%	73.5%
Philippines		1	1	166	775	897	897	922	2.8%	113.5%
Singapore			3	46	97	118	160	255	59.3%	64.5%
South Korea	4	14	650	3,615	4,502	5,835	7,130	10,505	47.3%	36.2%
Sri Lanka	0	4	7	31	63	131	185	215	16.2%	46.4%
Taiwan	0	1	22	842	1,245	1,768	2,738	4,150	51.5%	79.0%
Thailand			49	1,420	2,446	2,697	2,962	2,982	0.7%	58.0%
Vietnam	1	3	5	6	6	9	106	5,695	5286.5%	117.4%
Others Asia - Pacific	1	6	26	234	312	486	542	749	38.1%	45.4%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Americas	202	545	3,281	26,197	38,683	49,841	64,131	76,956	20.0%	42.0%
Argentina				9	9	9	191	441	130.7%	
Brazil		1	2	27	84	1,104	2,078	2,485	19.6%	125.0%
Canada	7	17	221	2,517	2,661	2,913	3,100	3,310	6.8%	35.1%
Chile				576	1,125	1,809	2,137	2,648	23.9%	
Cuba				24	37	65	128	159	24.4%	
El Salvador	0	0	0	26	28	126	206	391	89.8%	174.7%
Guatemala	0	0	1	93	93	99	101	101	0.0%	76.6%
Honduras	2	3	4	393	414	454	514	514	0.0%	72.9%
Mexico	14	16	29	173	389	674	2,541	4,426	74.2%	74.8%
Peru	1	5	13	139	146	153	324	326	0.6%	43.7%
United States	176	493	2,909	21,684	32,958	41,357	51,426	60,540	17.7%	40.1%
Uruguay			0	65	90	244	251	258	2.8%	116.9%
Others Americas	2	11	103	471	649	833	1,134	1,357	19.6%	33.1%

^(*) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Areas and Aggregates^(*)

(GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Europe	125	1,487	22,599	104,630	108,819	118,983	134,066		12.7%	47.4%
Russia and Central Asia				459	634	757	1,163	1,279	9.9%	
Middle East			94	1,496	2,474	3,514	5,128		45.9%	
Africa	4	15	318	2,519	3,655	5,063	5,277		4.2%	49.1%
Asia - Pacific	433	1,620	5,620	103,279	158,173	236,899	309,460		30.6%	44.1%
Americas	238	610	3,407	37,702	55,827	79,224	99,347		25.4%	39.8%
- North America	199	541	3,318	34,986	50,663	70,966	85,040	97,345	14.5%	38.5%
- Central South America	39	69	89	2,716	5,164	8,258	14,307		73.2%	38.8%
World	800	3,732	32,038	250,085	329,581	444,440	554,442		24.8%	43.8%
European Union	114	1,466	22,505	102,796	105,862	113,521	122,972	131,626	8.3%	47.4%
MENA		2	237	672	1,672	3,209	4,876		51.9%	
OECD	731	3,550	30,700	181,896	217,141	262,158	304,713		16.2%	39.8%
NON OECD	69	182	1,338	68,189	112,440	182,283	249,728		37.0%	57.7%
OPEC		2	29	377	458	1,478	2,263		53.1%	
NON OPEC	800	3,730	32,009	249,708	329,123	442,962	552,179		24.7%	43.8%

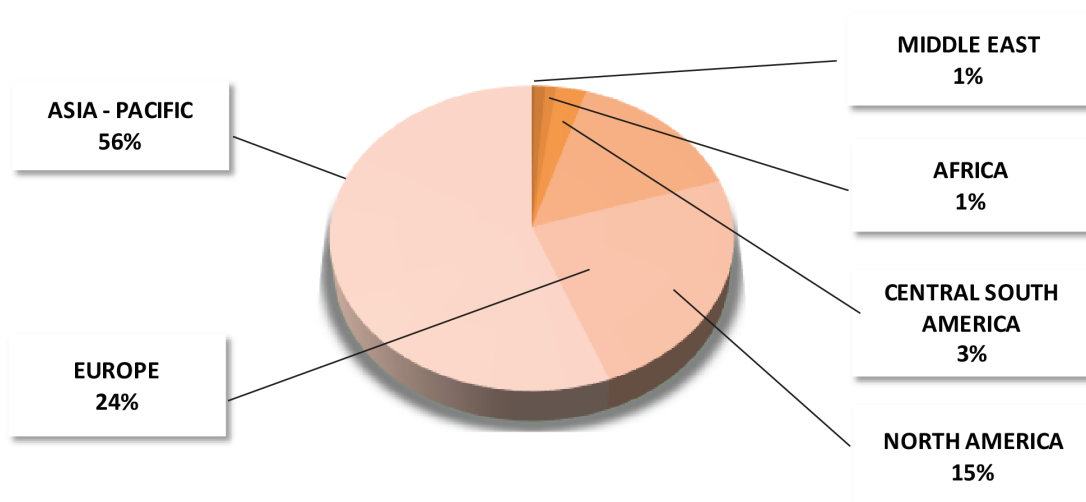
The World Top 10^(***)

(GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
China	22	84	699	44,783	75,316	131,297	176,901	223,800	26.5%	62.5%
United States	183	524	3,063	32,091	46,633	67,393	81,244	93,129	14.6%	38.8%
Japan	357	1,421	3,543	34,803	45,761	55,069	62,668	74,114	18.3%	32.4%
India	2	3	126	10,420	18,778	26,035	39,728	50,557	27.3%	70.5%
Germany	60	1,282	11,729	38,726	38,098	39,401	45,784	47,517	3.8%	42.1%
Italy	18	31	1,906	22,942	22,104	24,378	22,654	23,689	4.6%	45.9%
Australia	38	78	386	5,019	6,205	8,069	9,926	14,844	49.5%	36.9%
South Korea	5	15	772	3,975	5,123	7,056	9,208	13,022	41.4%	51.3%
United Kingdom	1	8	40	7,533	10,408	11,475	12,857	12,677	-1.4%	64.4%
France	5	11	620	7,753	8,659	9,585	10,569	11,357	7.5%	49.9%
The World Top 10	691	3,456	22,884	208,045	277,085	379,758	471,539	564,705	19.8%	42.3%
Rest of the World	109	276	9,154	42,041	52,496	64,683	82,903		28.2%	44.6%
World	800	3,732	32,038	250,085	329,581	444,440	554,442		24.8%	43.8%

World Solar Photovoltaic Power Generation (2018)

554,442 GWh

(*) Data source: Eni's calculations on IEA (2020) *Extended Balances* data. All rights reserved.

(**) When 2019 data is missing, the figure refers to the latest available years.

(***) Data source: IEA (2020) *Extended Balances*. All rights reserved.

Countries^(*)
 (GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Europe	125	1,487	22,599	104,630	108,819	118,983	134,066		12.7%	47.4%
Austria	3	21	89	937	1,096	1,269	1,438	1,702	18.4%	39.6%
Belgium		1	560	3,056	3,095	3,307	3,902	3,947	1.1%	
Bulgaria			15	1,383	1,386	1,403	1,343	1,405	4.6%	
Czech Republic			616	2,264	2,131	2,193	2,359	2,286	-3.1%	
Denmark	1	2	6	604	744	751	953	963	1.1%	43.6%
France	5	11	620	7,753	8,659	9,585	10,569	11,357	7.5%	49.9%
Germany	60	1,282	11,729	38,726	38,098	39,401	45,784	47,517	3.8%	42.1%
Greece		1	158	3,900	3,930	3,991	3,791	3,961	4.5%	
Hungary			1	141	244	349	620	1,386	123.5%	
Italy	18	31	1,906	22,942	22,104	24,378	22,654	23,689	4.6%	45.9%
Netherlands	8	35	56	1,109	1,602	2,208	3,693	5,159	39.7%	40.9%
Poland				57	124	165	300	712	137.0%	
Portugal	1	3	211	796	870	992	1,006	1,275	26.8%	45.7%
Romania				1,982	1,820	1,856	1,771	1,777	0.3%	
Spain	14	48	6,425	8,266	8,064	8,514	7,877	9,294	18.0%	40.8%
Switzerland	11	21	94	1,119	1,333	1,683	1,944	2,111	8.6%	31.9%
Turkey				194	1,043	2,889	7,800	9,578	22.8%	
United Kingdom	1	8	40	7,533	10,408	11,475	12,857	12,677	-1.4%	64.4%
Ukraine				477	491	739	1,108	998	-9.9%	
Others Europe	3	23	73	1,391	1,577	1,834	2,299		25.3%	44.5%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)
Russia and Central Asia				459	634	757	1,163	1,279	9.9%	
Russia				335	462	558	720	985	36.8%	
Armenia				1	1	3	19	13	-31.1%	
Azerbaijan				5	35	37	39	44	12.5%	
Kazakhstan				118	136	160	384	236	-38.6%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)
Middle East			94	1,496	2,474	3,514	5,128		45.9%	
Israel			70	1,115	1,544	1,511	1,574	2,597	65.0%	
Jordan				2	421	908	1,441		58.7%	
United Arab Emirates			17	49	48	477	1,070		124.6%	
Yemen			2	110	147	183	458		150.0%	
Others Middle East			5	220	314	436	586		34.4%	

(*) Data source: IEA (2020) *Extended Balances*. All rights reserved.

(**) When 2019 data is missing, the figure refers to the latest available years.

Countries^(*)
 (GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Africa	4	15	318	2,519	3,655	5,063	5,277		4.2%	49.1%
Algeria				58	87	572	655		14.7%	
Egypt			206	168	580	537	543		1.1%	
South Africa				1,946	2,509	3,249	3,212	3,255	1.3%	
Tunisia			1	65	109	133	174	174	0.0%	
Others Africa	4	15	111	282	370	572	693		21.1%	33.2%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2018-2017)**	CAGR (2018-2000)**
Asia - Pacific	433	1,620	5,620	103,279	158,173	236,899	309,460		30.6%	44.1%
Australia	38	78	386	5,019	6,205	8,069	9,926	14,844	49.5%	36.9%
China	22	84	699	44,783	75,316	131,297	176,901	223,800	26.5%	62.5%
India	2	3	126	10,420	18,778	26,035	39,728	50,557	27.3%	70.5%
Japan	357	1,421	3,543	34,803	45,761	55,069	62,668	74,114	18.3%	32.4%
Malaysia		1	0	273	310	330	573		73.7%	
Philippines		2	1	139	1,097	1,201	1,249	1,246	-0.2%	
South Korea	5	15	772	3,975	5,123	7,056	9,208	13,022	41.4%	51.3%
Taiwan		1	26	875	1,132	1,692	2,740	4,144	51.3%	
Thailand			20	2,378	3,377	4,543	4,537	5,182	14.2%	
Pakistan				207	488	768	882		14.9%	
Others Asia-Pacific	9	15	47	407	586	840	1,048		24.8%	30.3%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Americas	238	610	3,407	37,702	55,827	79,224	99,347		25.4%	39.8%
Argentina				15	14	16	108	800	639.6%	
Brazil				59	85	832	3,461	6,655	92.2%	
Canada	16	17	255	2,895	4,030	3,573	3,796	4,216	11.1%	34.1%
Chile				1,261	2,639	3,915	5,218	6,304	20.8%	
Honduras				417	881	924	993		7.5%	
Mexico	7	9	31	239	464	1,085	1,856	6,591	255.0%	43.4%
Peru				230	241	287	750	767	2.2%	
United States	183	524	3,063	32,091	46,633	67,393	81,244	93,129	14.6%	38.8%
Others Americas	32	60	58	495	840	1,199	1,920		60.1%	25.5%

(*) Data source: IEA (2020) *Extended Balances*. All rights reserved.

(**) When 2019 data is missing, the figure refers to the latest available years.

Areas and Aggregates^(*)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Europe			739	2,313	2,322	2,327	2,327	2,336	0.4%	13.6%
Middle East			6	106	106	106	156	448	186.9%	61.2%
Africa			45	325	425	525	976	1,076	10.2%	42.3%
Asia - Pacific		0	3	248	258	257	507	657	29.6%	82.0%
Americas	419	388	473	1,758	1,758	1,758	1,772	1,772	0.0%	15.8%
- North America	419	388	473	1,758	1,758	1,758	1,758	1,758	0.0%	15.7%
- Central South America							14	14	0.0%	
World	419	388	1,266	4,750	4,869	4,973	5,738	6,289	9.6%	19.5%
European Union			739	2,312	2,321	2,326	2,326	2,335	0.4%	13.6%
MENA			51	331	331	331	732	1,024	39.9%	39.5%
OECD	419	388	1,221	4,080	4,089	4,093	4,107	4,358	6.1%	15.2%
NON OECD			45	669	779	879	1,631	1,931	18.4%	51.8%
OPEC	0	0	25	125	125	125	175	225	28.6%	27.7%
NON OPEC	419	388	1,241	4,625	4,744	4,848	5,563	6,064	9.0%	19.3%

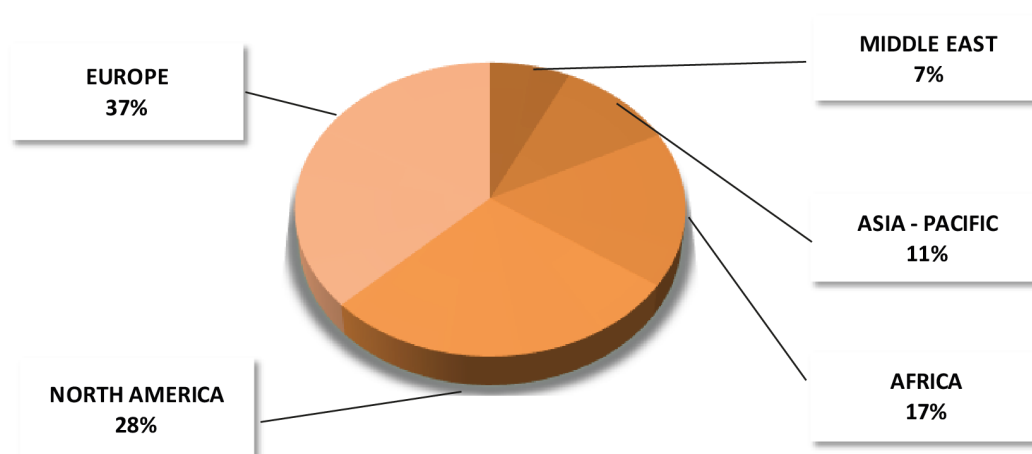
The World Top 10^(**)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Spain			732	2,304	2,304	2,304	2,304	2,304	0.0%	13.6%
United States	419	388	473	1,758	1,758	1,758	1,758	1,758	0.0%	15.7%
Morocco			20	180	180	180	530	530	0.0%	43.9%
South Africa				100	200	300	400	500	25.0%	
China				11	21	21	271	421	55.4%	
Israel			6	6	6	6	6	248	3967.2%	50.9%
India				229	229	229	229	229	0.0%	
United Arab Emirates				100	100	100	100	100	0.0%	
Kuwait								50		
Saudi Arabia							50	50	0.0%	
The World Top 10	419	388	1,231	4,688	4,798	4,898	5,648	6,190	9.6%	19.7%
Rest of the World		0	35	62	71	75	90	99	10.0%	12.4%
World	419	388	1,266	4,750	4,869	4,973	5,738	6,289	9.6%	19.5%

World Concentrated Solar Power Capacity (2019)

6,289 MW



^(*) Data source: Eni's calculations on IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi, data.

^(**) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)
 (MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Europe			739	2,313	2,322	2,327	2,327	2,336	0.4%	13.6%
France								9		
Germany			2	2	2	2	2	2	0.0%	0.0%
Italy			5	6	6	6	6	6	0.0%	2.8%
Portugal					9	14	14	14	0.0%	
Spain			732	2,304	2,304	2,304	2,304	2,304	0.0%	13.6%
Turkey				1	1	1	1	1	0.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Middle East			6	106	106	106	156	448	186.9%	61.2%
Kuwait								50		
Israel			6	6	6	6	6	248	3967.2%	50.9%
Saudi Arabia							50	50	0.0%	
United Arab Emirates				100	100	100	100	100	0.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Africa			45	325	425	525	976	1,076	10.2%	42.3%
Algeria			25	25	25	25	25	25	0.0%	0.0%
Egypt				20	20	20	21	21	0.0%	
Morocco			20	180	180	180	530	530	0.0%	43.9%
South Africa				100	200	300	400	500	25.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Asia - Pacific		0	3	248	258	257	507	657	29.6%	82.0%
Australia		0	3	3	3	2	2	2	0.0%	-4.4%
China				11	21	21	271	421	55.4%	
India				229	229	229	229	229	0.0%	
Thailand				5	5	5	5	5	0.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2010)
Americas	419	388	473	1,758	1,758	1,758	1,772	1,772	0.0%	15.8%
Mexico							14	14	0.0%	
United States	419	388	473	1,758	1,758	1,758	1,758	1,758	0.0%	15.7%

^(*) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Areas and Aggregates^(*)

(GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Europe			761	5,593	5,579	5,883	4,867	5,743	18.0%	
Middle East				243	261	257	233		-9.4%	
Africa				194	898	1,101	1,978	3,133	58.4%	
Asia - Pacific		1	5	31	33	31	303	305	0.5%	
Americas	526	596	879	3,544	3,701	3,587	3,940	4,517	14.6%	12.0%
- North America	526	596	879	3,544	3,701	3,587	3,940	4,517	14.6%	12.0%
World	526	597	1,645	9,605	10,472	10,859	11,321		4.3%	18.6%
European Union			761	5,593	5,579	5,883	4,867	5,743	18.0%	
MENA				247	661	671	1,182		76.0%	
OECD	526	597	1,643	9,141	9,284	9,472	8,810	10,264	16.5%	16.9%
NON OECD			2	464	1,188	1,387	2,511		81.1%	
OPEC				243	261	257	233		-9.4%	
NON OPEC	526	597	1,645	9,362	10,211	10,601	11,088		4.6%	18.5%

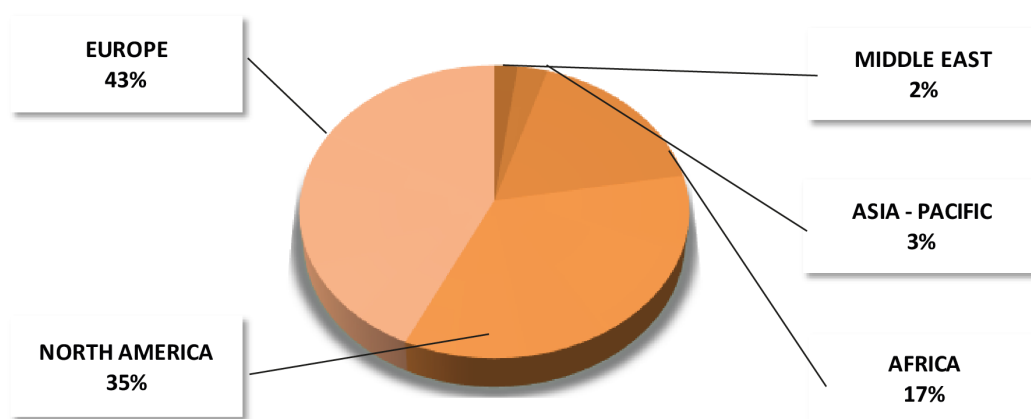
The World Top 5^(***)

(GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Spain			761	5,593	5,579	5,883	4,867	5,743	18.0%	
United States	526	596	879	3,544	3,701	3,587	3,940	4,517	14.6%	12.0%
Morocco				4	400	414	949	1,579	66.4%	
South Africa				190	498	687	1,029	1,554	51.0%	
China			2	27	29	29	300	300	0.0%	
The World Top 5	526	596	1,642	9,358	10,207	10,599	11,085	13,693	23.5%	18.5%
Rest of the World		1	3	247	265	259	236		-9.0%	
World	526	597	1,645	9,605	10,472	10,859	11,321		4.3%	18.6%

World Concentrated Solar Power Generation (2018)

11,321 GWh

(*) Data source: Eni's calculations on IEA (2020) *Extended Balances* data. All rights reserved.

(**) When 2019 data is missing, the figure refers to the latest available years.

(***) Data source: IEA (2020) *Extended Balances*. All rights reserved.

Countries^(*)

(GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe			761	5,593	5,579	5,883	4,867	5,743	18.0%	
Spain			761	5,593	5,579	5,883	4,867	5,743	18%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)
Middle East				243	261	257	233		-9.4%	
United Arab Emirates				243	261	257	233		-9.4%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa				194	898	1,101	1,978	3,133	58.4%	
Morocco				4	400	414	949	1,579	66%	
South Africa				190	498	687	1,029	1,554	51%	

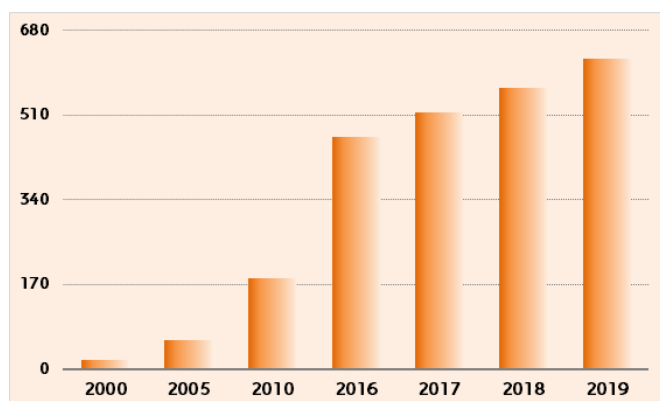
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific		1	5	31	33	31	303	305	0.5%	
Australia		1	3	4	4	2	3	4	49.7%	
China			2	27	29	29	300	300	0.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas	526	596	879	3,544	3,701	3,587	3,940	4,517	14.6%	12.0%
United States	526	596	879	3,544	3,701	3,587	3,940	4,517	14.6%	12.0%

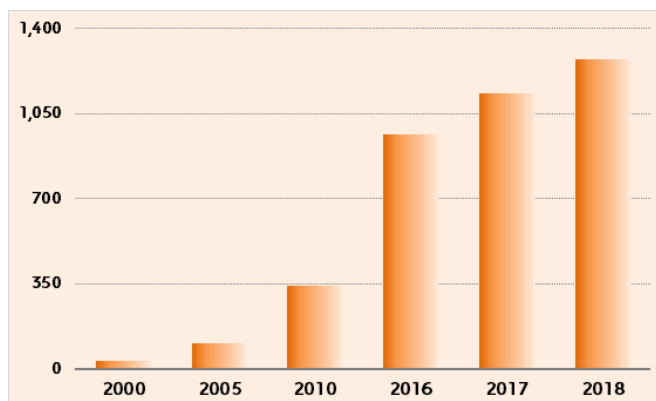
(*) Data source: IEA (2020) *Extended Balances*. All rights reserved.

(**) When 2019 data is missing, the figure refers to the latest available years.

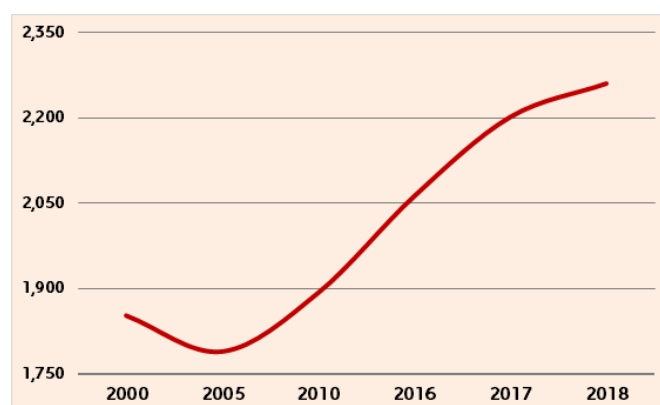
Wind Power Capacity
(GW)



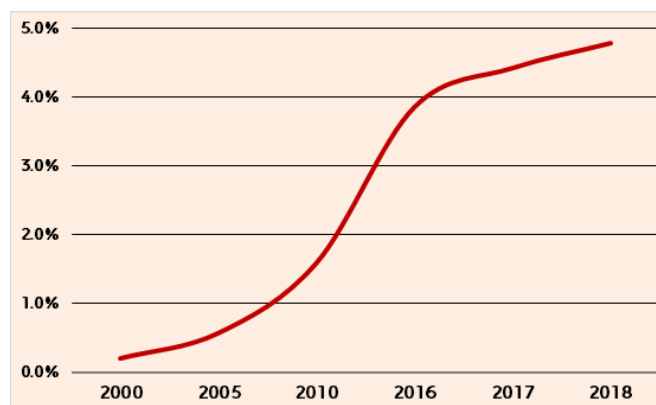
Wind Power Generation
(TWh)



Capacity Factor
(hours per year - world average)



Share of Solar on Total Power Generation



Areas and Aggregates^(*)

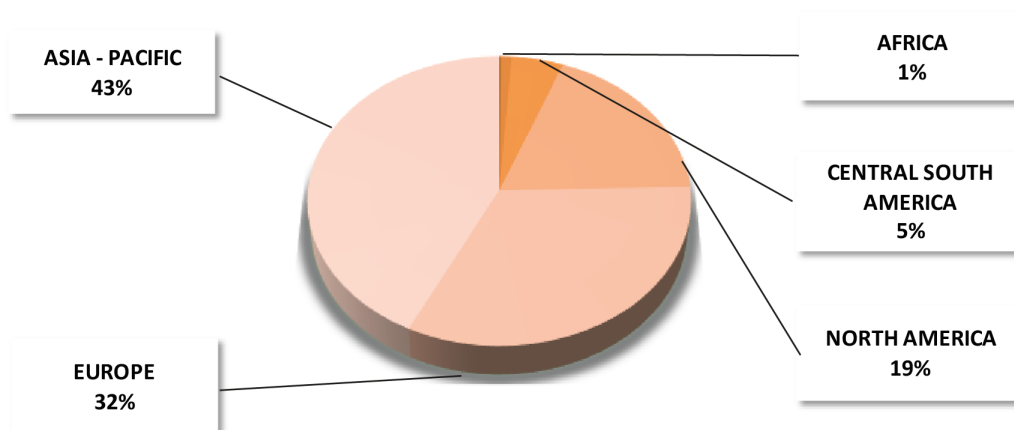
(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	12,750	40,705	86,240	147,536	161,507	177,149	188,391	203,368	7.9%	15.7%
Russia and Central Asia	3	13	15	93	148	163	264	476	80.5%	30.6%
Middle East	12	45	104	286	410	505	614	723	17.8%	23.9%
Africa	133	237	861	3,318	3,830	4,582	5,470	5,770	5.5%	21.9%
Asia - Pacific	1,452	7,811	48,519	166,704	189,152	210,456	235,494	265,915	12.9%	31.6%
Americas	2,576	9,594	45,106	98,303	111,796	121,520	132,953	146,157	9.9%	23.7%
- North America	2,469	9,383	43,103	83,787	93,259	100,000	107,233	116,997	9.1%	22.5%
- Central South America	107	211	2,004	14,516	18,537	21,520	25,720	29,160	13.4%	34.3%
World	16,927	58,405	180,846	416,241	466,844	514,376	563,186	622,408	10.5%	20.9%
European Union	12,672	40,243	84,161	140,471	152,558	166,471	177,021	188,922	6.7%	15.3%
MENA	145	263	928	2,083	2,312	2,533	3,219	3,578	11.2%	18.4%
OECD	15,274	51,758	132,571	236,605	261,391	284,270	304,315	330,997	8.8%	17.6%
NON OECD	1,653	6,647	48,275	179,636	205,453	230,106	258,870	291,412	12.6%	31.3%
OPEC	11	39	100	263	300	381	404	424	5.0%	21.2%
NON OPEC	16,916	58,366	180,746	415,977	466,544	513,995	562,782	621,985	10.5%	20.9%

The World Top 10^(**)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
China	341	1,060	29,633	131,048	148,517	164,374	184,665	210,478	14.0%	40.2%
United States	2,377	8,706	39,135	72,573	81,286	87,597	94,417	103,584	9.7%	22.0%
Germany	6,095	18,248	26,903	44,580	49,435	55,580	58,843	60,840	3.4%	12.9%
India	941	4,434	13,184	25,088	28,700	32,848	35,288	37,505	6.3%	21.4%
Spain	2,206	9,918	20,693	22,943	22,990	23,124	23,405	25,553	9.2%	13.8%
United Kingdom	412	1,565	5,421	14,306	16,126	19,585	21,770	23,975	10.1%	23.8%
France	38	690	5,912	10,298	11,567	13,499	14,900	16,260	9.1%	37.6%
Brazil	22	29	927	7,633	10,124	12,294	14,833	15,364	3.6%	41.2%
Canada	92	677	3,967	11,214	11,973	12,403	12,816	13,413	4.7%	30.0%
Italy	363	1,635	5,794	9,137	9,384	9,737	10,230	10,758	5.2%	19.5%
The World Top 10	12,887	46,962	151,570	348,820	390,102	431,042	471,168	517,731	9.9%	21.5%
Rest of the world	4,040	11,443	29,276	67,421	76,742	83,334	92,018	104,678	13.8%	18.7%
World	16,927	58,405	180,846	416,241	466,844	514,376	563,186	622,408	10.5%	20.9%

World Wind Power Capacity (2019)
622,408 MW

(*) Data source: Eni's calculations on IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi, data.

(**) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	12,750	40,705	86,240	147,536	161,507	177,149	188,391	203,368	7.9%	15.7%
Austria	50	825	1,016	2,489	2,730	2,887	3,133	3,159	0.8%	24.4%
Belgium	14	167	912	2,176	2,370	2,797	3,261	3,780	15.9%	34.3%
Bulgaria		8	488	699	699	698	699	699	0.0%	
Croatia		6	79	418	483	576	586	606	3.4%	
Denmark	2,390	3,128	3,802	5,077	5,246	5,490	6,121	6,117	-0.1%	5.1%
Finland	38	82	197	1,005	1,565	2,044	2,041	2,282	11.8%	24.1%
France	38	690	5,912	10,298	11,567	13,499	14,900	16,260	9.1%	37.6%
Germany	6,095	18,248	26,903	44,580	49,435	55,580	58,843	60,840	3.4%	12.9%
Greece	226	491	1,298	2,091	2,370	2,624	2,877	3,547	23.3%	15.6%
Ireland	117	493	1,390	2,451	2,786	3,318	3,676	4,172	13.5%	20.7%
Italy	363	1,635	5,794	9,137	9,384	9,737	10,230	10,758	5.2%	19.5%
Netherlands	447	1,224	2,237	3,391	4,257	4,202	4,393	4,463	1.6%	12.9%
Norway	13	265	425	867	883	1,207	1,207	2,444	102.5%	31.7%
Poland	4	121	1,108	4,886	5,747	5,759	5,766	5,917	2.6%	46.8%
Portugal	83	1,064	3,796	4,937	5,124	5,124	5,172	5,233	1.2%	24.4%
Romania		1	389	3,130	3,025	3,030	3,032	3,040	0.3%	
Spain	2,206	9,918	20,693	22,943	22,990	23,124	23,405	25,553	9.2%	13.8%
Sweden	209	522	2,017	5,819	6,435	6,611	7,300	8,888	21.8%	21.8%
Turkey	19	21	1,320	4,503	5,751	6,516	7,005	7,591	8.4%	37.1%
Ukraine	5	77	88	514	526	553	621	1,258	102.6%	33.8%
United Kingdom	412	1,565	5,421	14,306	16,126	19,585	21,770	23,975	10.1%	23.8%
Others Europe	21	154	955	1,820	2,009	2,188	2,351	2,786	18.5%	29.2%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	3	13	15	93	148	163	264	476	80.5%	30.6%
Russia	3	10	10	11	11	11	52	102	96.3%	20.4%
Armenia		3	3	3	3	3	3	3	0.0%	
Azerbaijan			2	8	16	16	66	66	0.0%	
Georgia					21	21	21	21	0.0%	
Kazakhstan				72	98	112	121	284	133.7%	
Uzbekistan						1	1	1	0.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Middle East	12	45	104	286	410	505	614	723	17.8%	23.9%
Iran	11	37	95	153	191	259	282	302	7.2%	19.1%
Israel		6	6	6	27	27	27	27	0.0%	
Jordan	1	1	1	118	184	198	285	374	31.3%	34.2%
Kuwait				2	2	12	12	12	0.0%	
Others Middle East		1	1	6	5	8	8	8	0.0%	

^(*) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Africa	133	237	861	3,318	3,830	4,582	5,470	5,770	5.5%	21.9%
Egypt	69	145	550	750	750	750	1,125	1,375	22.2%	17.1%
Morocco	54	54	221	797	897	1,023	1,225	1,225	0.0%	17.9%
South Africa		3	10	1,079	1,473	2,094	2,094	2,094	0.0%	
Others Africa		35	80	692	710	715	1,026	1,076	4.9%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Asia - Pacific	1,452	7,811	48,519	166,704	189,152	210,456	235,494	265,915	12.9%	31.6%
Australia	33	740	1,864	4,234	4,327	4,816	5,679	7,133	25.6%	32.7%
China	341	1,060	29,633	131,048	148,517	164,374	184,665	210,478	14.0%	40.2%
India	941	4,434	13,184	25,088	28,700	32,848	35,288	37,505	6.3%	21.4%
Japan	84	1,227	2,294	2,808	3,247	3,483	3,667	3,786	3.2%	22.2%
Pakistan			6	308	591	789	1,186	1,236	4.2%	
South Korea	7	99	382	847	1,067	1,215	1,420	1,512	6.5%	32.7%
Taiwan	3	24	476	647	682	692	713	845	18.5%	35.6%
Thailand			6	234	507	628	1,103	1,507	36.6%	
Others Asia-Pacific	43	227	674	1,490	1,514	1,610	1,773	1,912	7.9%	22.1%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Americas	2,576	9,594	45,106	98,303	111,796	121,520	132,953	146,157	9.9%	23.7%
Argentina	14	28	28	187	187	227	750	1,609	114.5%	28.3%
Brazil	22	29	927	7,633	10,124	12,294	14,833	15,364	3.6%	41.2%
Canada	92	677	3,967	11,214	11,973	12,403	12,816	13,413	4.7%	30.0%
Chile		2	163	910	1,039	1,305	1,524	1,620	6.3%	
Mexico	17	18	519	3,271	4,051	4,199	4,875	6,591	35.2%	36.8%
United States	2,377	8,706	39,135	72,573	81,286	87,597	94,417	103,584	9.7%	22.0%
Uruguay			41	857	1,212	1,516	1,516	1,521	0.4%	
Others Americas	54	134	327	1,658	1,924	1,980	2,222	2,455	10.5%	22.2%

^(*) Data source: IRENA (2020), *Renewable Energy Statistics* 2020 The International Renewable Energy Agency, Abu Dhabi.

Areas and Aggregates^(*)

(GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Europe	22,296	71,602	154,012	319,000	322,907	384,181	403,208	460,777	14.3%	17.3%
Russia and Central Asia	2	7	12	288	457	592	861	1,057	22.7%	39.1%
Middle East	40	85	174	360	659	959	1,297		35.2%	21.3%
Africa	232	819	2,373	8,555	10,464	11,535	14,170		22.8%	25.7%
Asia - Pacific	2,614	11,748	77,063	245,696	312,709	380,455	466,339		22.6%	33.4%
Americas	6,164	20,204	108,568	259,834	315,707	355,029	387,534		9.2%	25.9%
- North America	5,933	19,467	105,111	228,701	270,779	299,202	321,893	355,190	10.3%	24.0%
- Central South America	231	737	3,457	31,133	44,928	55,828	65,641		17.6%	36.9%
World	31,348	104,465	342,202	833,732	962,903	1,132,752	1,273,409		12.4%	22.9%
European Union	22,223	70,997	150,127	303,479	303,989	361,939	377,423	430,331	14.0%	16.9%
MENA	264	874	2,462	5,397	6,355	6,604	7,778		17.8%	20.7%
OECD	28,282	93,302	266,960	553,237	601,943	691,312	736,380	829,070	12.6%	19.5%
NON OECD	3,066	11,163	75,242	280,496	360,960	441,441	537,030		21.7%	33.2%
OPEC	37	71	166	415	439	478	550		15.0%	16.2%
NON OPEC	31,311	104,394	342,036	833,317	962,464	1,132,275	1,272,860		12.4%	22.9%

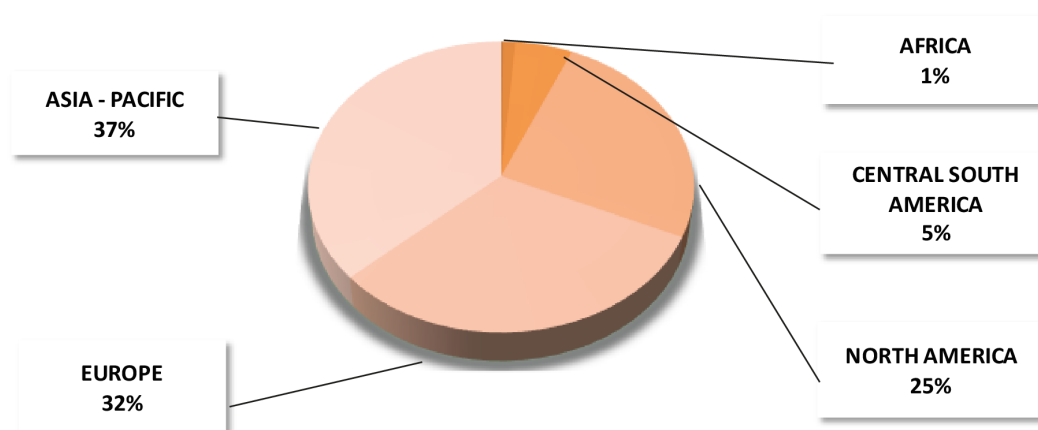
The World Top 10^(***)

(GWh)

	2000	2005	2010	2011	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
China	615	2,028	44,623	70,332	237,072	295,024	365,801	405,700	10.9%	40.7%
United States	5,650	17,881	95,148	120,854	229,471	257,249	275,834	303,410	10.0%	23.3%
Germany	9,352	27,774	38,547	49,858	79,924	105,693	109,951	125,975	14.6%	14.7%
India	1,684	6,211	19,657	24,531	48,281	54,994	64,294	66,008	2.7%	21.3%
United Kingdom	947	2,904	10,286	15,963	37,155	49,633	56,904	64,134	12.7%	24.8%
Brazil	2	93	2,177	2,705	33,488	42,373	48,475	55,986	15.5%	71.4%
Spain	4,727	21,176	44,271	42,918	48,905	49,127	50,896	55,591	9.2%	13.9%
France	48	962	9,945	12,372	21,381	24,609	28,599	34,648	21.1%	41.4%
Canada	264	1,567	8,724	10,187	30,930	31,511	33,183	34,179	3.0%	29.2%
Turkey	33	59	2,916	4,723	15,517	17,904	19,949	21,780	9.2%	40.7%
The World Top 10	23,322	80,655	276,294	354,443	782,124	928,118	1,053,887	1,167,410	10.8%	22.9%
Rest of the World	8,026	23,810	65,908	82,970	180,779	204,635	219,523		7.3%	20.2%
World	31,348	104,465	342,202	437,413	962,903	1,132,752	1,273,409		12.4%	22.9%

World Wind Power Generation (2018)

1,273,409 GWh

(*) Data source: Eni's calculations on IEA (2020) *Extended Balances* data. All rights reserved

(**) When 2019 data is missing, the figure refers to the latest available years.

(***) Data source: IEA (2020) *Extended Balances*. All rights reserved.

Countries^(*)
 (GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Europe	22,296	71,602	154,012	319,000	322,907	384,181	403,208	460,777	14.3%	17.3%
Austria	67	1,331	2,064	4,840	5,235	6,572	6,030	7,421	23.1%	28.1%
Belgium	16	227	1,292	5,574	5,438	6,514	7,465	9,549	27.9%	40.0%
Bulgaria		5	681	1,452	1,425	1,504	1,318	1,317	-0.1%	
Croatia		10	139	796	1,014	1,204	1,335	1,438	7.7%	
Denmark	4,241	6,614	7,809	14,133	12,782	14,780	13,899	16,150	16.2%	7.3%
Finland	78	170	294	2,327	3,068	4,795	5,839	5,985	2.5%	25.7%
France	48	962	9,945	21,421	21,381	24,609	28,599	34,648	21.1%	41.4%
Germany	9,352	27,774	38,547	80,624	79,924	105,693	109,951	125,975	14.6%	14.7%
Greece	451	1,266	2,714	4,621	5,146	5,537	6,300	7,278	15.5%	15.8%
Ireland	244	1,112	2,815	6,573	6,147	7,444	8,640	9,400	8.8%	21.2%
Italy	563	2,344	9,126	14,844	17,689	17,742	17,716	20,245	14.3%	20.7%
Lithuania		2	224	810	1,136	1,364	1,144	1,499	31.1%	
Netherlands	829	2,067	3,993	7,550	8,170	10,569	10,564	11,508	8.9%	14.8%
Norway	31	499	879	2,515	2,116	2,854	3,876	5,536	42.8%	31.4%
Poland	5	135	1,664	10,858	12,588	14,909	12,799	15,040	17.5%	52.4%
Portugal	168	1,773	9,182	11,607	12,474	12,248	12,617	13,738	8.9%	26.1%
Romania			306	7,063	6,590	7,407	6,322	6,773	7.1%	
Spain	4,727	21,176	44,271	49,325	48,905	49,127	50,896	55,591	9.2%	13.9%
Sweden	457	935	3,487	16,322	15,479	17,609	16,623	19,846	19.4%	22.0%
Turkey	33	59	2,916	11,652	15,517	17,904	19,949	21,780	9.2%	40.7%
United Kingdom	947	2,904	10,286	40,275	37,155	49,633	56,904	64,134	12.7%	24.8%
Ukraine	6	38	51	1,084	954	983	1,188	1,462	23.0%	33.5%
Others Europe	33	200	1,327	2,734	2,574	3,181	3,234	4,463	38.0%	29.5%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)	CAGR (2019-2000)
Russia and Central Asia	2	7	12	288	457	592	861	1,057	22.7%	39.1%
Russia	2	7	4	148	148	140	232	315	35.8%	30.5%
Azerbaijan			1	5	23	22	83	105	27.4%	
Kazakhstan				132	275	340	461	549	19.2%	
Others Russia and Central Asia			7	3	11	90	86	88	2.0%	

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Middle East	40	85	174	360	659	959	1,297		35.2%	21.3%
Iran	37	71	163	221	250	306	368	398	8.0%	13.3%
Israel		11	8	7	7	180	183	302	65.0%	
Jordan	3	3	3	121	391	448	720		60.8%	35.6%
Others Middle East				11	11	25	25		0.0%	

^(*) Data source: IEA (2020) *Extended Balances*. All rights reserved.

^(**) When 2019 data is missing, the figure refers to the latest available years.

Countries^(*)
 (GWh)

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Africa	232	819	2,373	8,555	10,464	11,535	14,170		22.8%	25.7%
Egypt	137	552	1,498	2,058	2,200	2,334	2,360		1.1%	17.1%
Ethiopia				759	782	533	533		-0.1%	
Morocco	64	206	659	2,519	3,000	3,035	3,841	4,699	22.4%	25.4%
South Africa		12	34	2,500	3,700	4,924	6,467	6,624	2.4%	
Tunisia	23	42	139	448	474	449	453	500	10.4%	17.6%
Others Africa	8	7	43	271	308	261	517		98.4%	26.1%

	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Asia - Pacific	2,614	11,748	77,063	245,696	312,709	380,455	466,339		22.6%	33.4%
Australia	58	885	5,052	11,467	12,199	12,597	15,164	17,712	16.8%	35.1%
China	615	2,028	44,623	185,767	237,072	295,024	365,801	405,700	10.9%	40.7%
India	1,684	6,211	19,657	35,075	48,281	54,994	64,294	66,008	2.7%	21.3%
Japan	108	1,751	4,016	5,580	6,166	6,490	7,481	7,502	0.3%	25.0%
New Zealand	120	614	1,637	2,364	2,330	2,086	2,068	2,255	9.1%	16.7%
Pakistan				786	1,409	2,101	3,157		50.3%	
Philippines		17	62	748	975	1,094	1,153	1,042	-9.7%	
South Korea	17	130	817	1,342	1,683	2,169	2,465	2,666	8.2%	30.5%
Taiwan	1	91	1,026	1,526	1,457	1,722	1,686	1,871	11.0%	48.7%
Thailand			1	329	345	1,109	1,641	3,655	122.7%	
Others Asia-Pacific	11	20	172	712	792	1,069	1,429		33.6%	

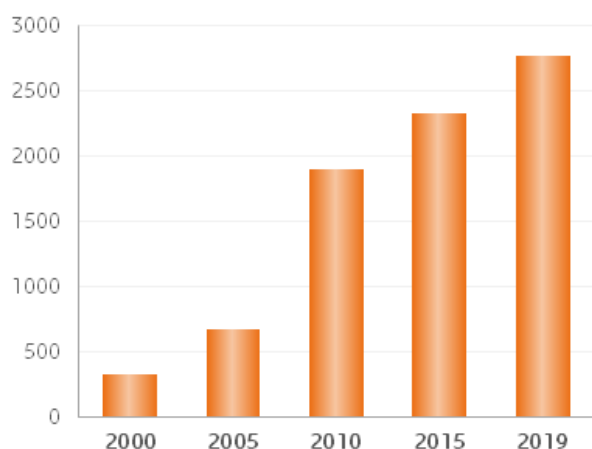
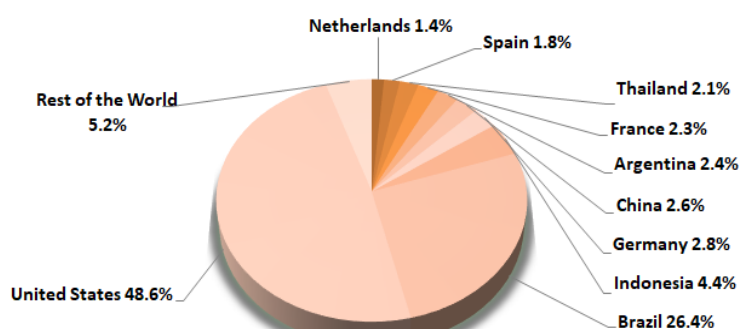
	2000	2005	2010	2015	2016	2017	2018	2019	Δ y/y (2019-2018)**	CAGR (2019-2000)**
Americas	6,164	20,204	108,568	259,834	315,707	355,029	387,534		9.2%	25.9%
Argentina	35	72	25	593	548	612	1,413	4,997	253.6%	29.8%
Brazil	2	93	2,177	21,626	33,488	42,373	48,475	55,986	15.5%	71.4%
Canada	264	1,567	8,724	26,964	30,930	31,511	33,183	34,179	3.0%	29.2%
Chile		7	332	2,115	2,449	3,521	3,588	4,809	34.0%	
Costa Rica	183	204	359	1,080	1,147	1,288	1,799	1,796	-0.1%	12.8%
Mexico	19	19	1,239	8,745	10,378	10,442	12,875	17,601	36.7%	43.3%
Peru	1	1	1	595	1,063	1,073	1,502	1,655	10.2%	47.7%
United States	5,650	17,881	95,148	192,992	229,471	257,249	275,834	303,410	10.0%	23.3%
Uruguay			70	2,065	2,994	3,774	4,732	4,753	0.4%	
Others Americas	10	360	493	3,059	3,239	3,187	4,132		29.7%	39.7%

(*) Data source: IEA (2020) *Extended Balances*. All rights reserved.

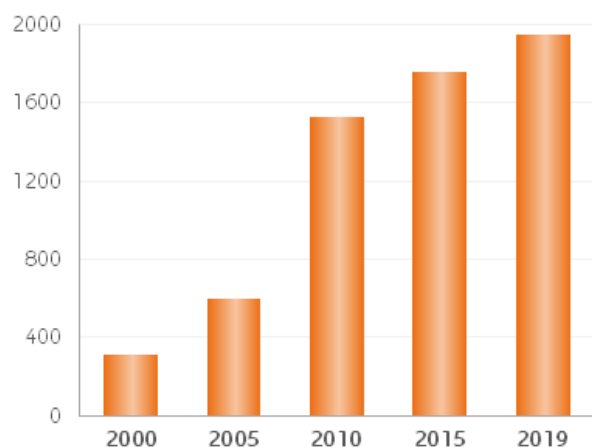
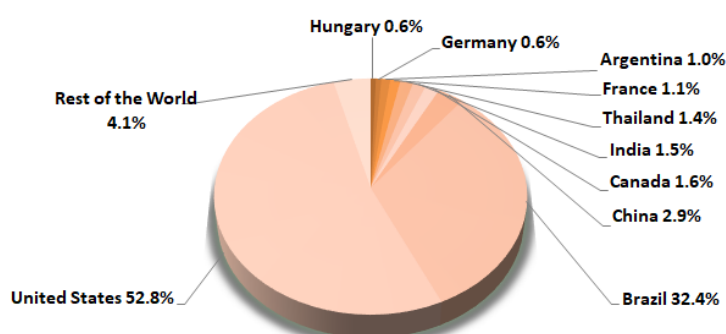
(**) When 2019 data is missing, the figure refers to the latest available years.

Total Biofuels^(*)

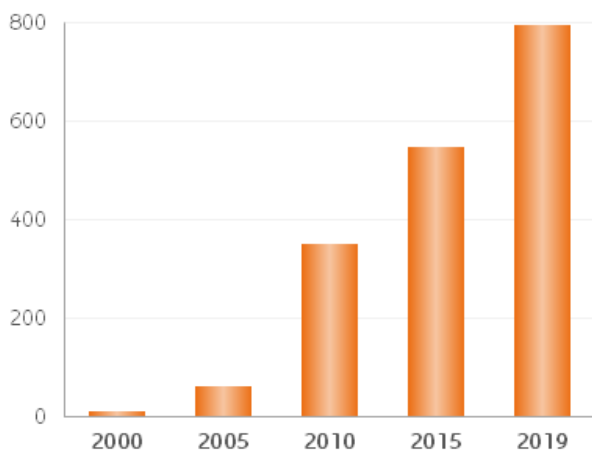
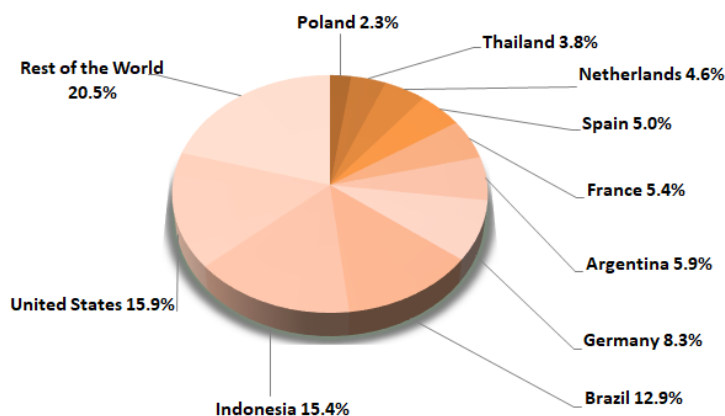
(thousand barrels/day)

World**2019****World: 2,773** thousand barrels/day**Biogasoline^(*)**

(thousand barrels/day)

World**2019****World: 1,948** thousand barrels/day**Biodiesel^(*)**

(thousand barrels/day)

World**2019****World: 795** thousand barrels/day

^(*) Data source: IEA (2020) *Extended Balances* and EIA DOE. All rights reserved.
Total Biofuels include biogasoline (also ethanol used pure in Brazil "Hydrous"), biodiesel and other liquid biofuels.



Eni SpA

Headquarters

Piazzale Enrico Mattei, 1 - Rome - Italy

Capital Stock: € 4,005,358,876.00 fully paid up

Rome Companies

Register Tax Identification Number 00484960588

Branches

Via Emilia, 1 - San Donato Milanese (MI) - Italy

Piazza Ezio Vanoni, 1 - San Donato Milanese (MI) - Italy

Web site

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Eni SpA
Piazzale Enrico Mattei, 1
00144 Roma
Ph. +39 0659821 - Fax +39 06 59822141

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