



World Energy Review

2021
POCKET

World Energy Review 2021

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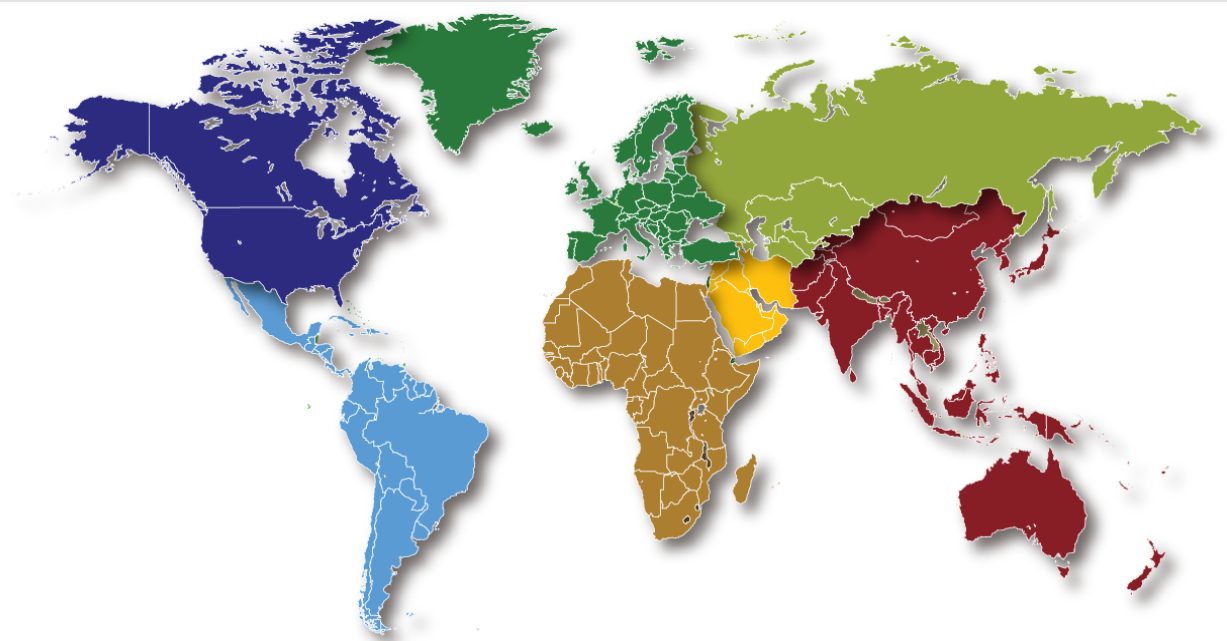
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■ Europe	■ Middle East	■ Asia - Pacific	■ Central South America
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List of Countries:

- **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, Malta, Moldova, Montenegro, Netherlands, North Macedonia, 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, Curacao, 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, 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.

A full year is required to consider a country outside or inside an international aggregate.

This Review has been prepared by the Economy, Market Scenarios and Strategic Options Department.

Notes and Methods

Oil

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 Ecological Transition, JODI, 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). Totals may differ from the sum of the individual figures as a result of rounding up/down. Percentages have been calculated before rounding.

Supply and Demand

Trade and Prices

The difference between the Consumption and the Production of oil is given by the change and 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 Ecological Transition, 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").

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

Percentages have been calculated before rounding.

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.

In the chapter **'Trade and Prices'** of natural gas, the annual averages of gas prices are calculated by taking into account the delivery period of the quotations.

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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	18,104	14,664	14,878	14,173	14,592	15,464	15,126	14,890	-1.6%	0.2%
Russia and Central Asia	122,691	143,884	141,497	140,705	144,584	144,793	145,422	146,006	0.4%	0.1%
Middle East	751,691	794,654	802,913	807,790	804,658	803,247	847,821	847,851	0.0%	0.7%
Africa	111,151	120,065	124,245	124,508	123,065	122,293	121,783	122,646	0.7%	0.2%
Asia - Pacific	42,925	48,712	50,596	49,551	49,407	49,650	49,289	48,453	-1.7%	-0.1%
Americas	319,986	539,594	546,603	544,600	551,627	557,061	554,883	560,418	1.0%	0.4%
- North America	203,063	200,029	206,742	205,741	213,782	217,785	216,232	222,732	3.0%	1.1%
- Central South America	116,923	339,565	339,861	338,859	337,845	339,276	338,651	337,686	-0.3%	-0.1%
World	1,366,548	1,661,574	1,680,731	1,681,327	1,687,932	1,692,508	1,734,325	1,740,264	0.3%	0.5%
European Union	7,236	6,218	5,724	5,329	5,264	5,432	5,211	5,553	6.6%	-1.1%
MENA	809,706	858,877	867,376	872,163	868,972	867,411	911,934	911,965	0.0%	0.6%
OECD	236,602	230,685	233,493	230,839	238,582	242,772	240,881	247,136	2.6%	0.7%
NON OECD	1,129,947	1,430,889	1,447,239	1,450,487	1,449,350	1,449,736	1,493,444	1,493,128	0.0%	0.4%
OPEC	899,254	1,165,444	1,179,385	1,185,963	1,182,292	1,181,144	1,225,259	1,226,007	0.1%	0.5%
NON OPEC	467,295	496,130	501,346	495,364	505,640	511,364	509,066	514,257	1.0%	0.4%

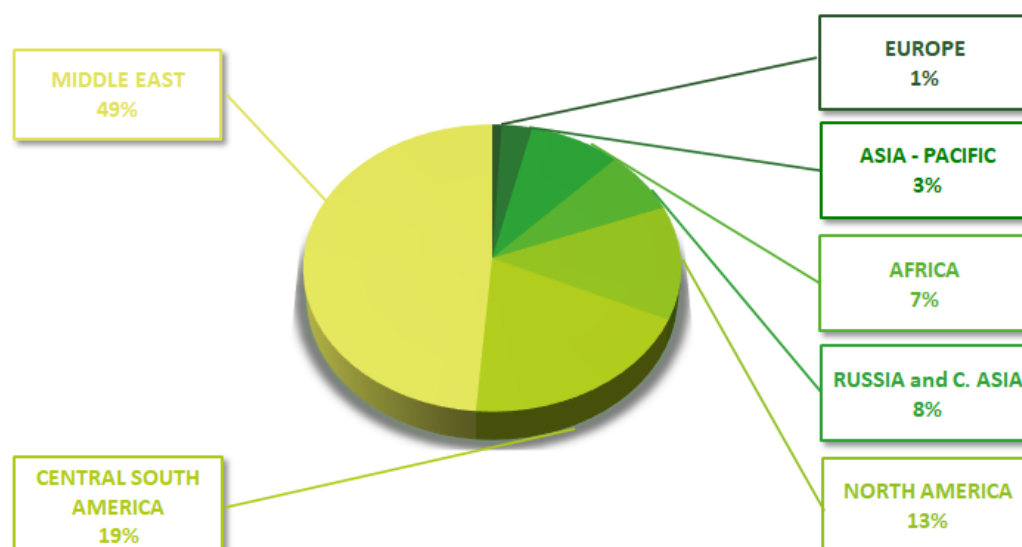
The World Top 10 Reserves Holders^(*)

(million barrels as at 31st December)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Venezuela	80,012	296,501	300,878	302,250	302,809	303,806	303,806	303,806	0.0%	0.2%
Saudi Arabia	264,211	264,516	266,455	266,208	266,260	267,026	258,600	258,481	0.0%	-0.2%
Iran	136,270	151,170	158,400	157,200	155,600	155,600	208,600	208,600	0.0%	3.3%
Canada	180,044	174,848	171,512	170,528	171,792	170,732	169,125	168,088	-0.6%	-0.4%
Iraq	115,000	143,100	142,503	148,766	147,223	145,019	145,019	145,019	0.0%	0.1%
Russia	105,464	105,564	103,164	102,375	106,283	106,592	107,221	107,804	0.5%	0.2%
Kuwait	101,500	101,500	101,500	101,500	101,500	101,500	101,500	101,500	0.0%	0.0%
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	97,800	97,800	97,800	0.0%	0.0%
United States	23,019	25,181	35,230	35,213	41,990	47,053	47,107	54,644	16.0%	8.1%
Libya	41,464	47,097	48,363	48,363	48,363	48,363	48,363	48,363	0.0%	0.3%
The World Top 10	1,144,784	1,407,277	1,425,805	1,430,203	1,439,620	1,443,491	1,487,141	1,494,105	0.5%	0.6%
Rest of the world	221,765	254,297	254,926	251,124	248,313	249,018	247,184	246,159	-0.4%	-0.3%
World	1,366,548	1,661,574	1,680,731	1,681,327	1,687,932	1,692,508	1,734,325	1,740,264	0.3%	0.5%

World Oil Reserves (2020)

1,740,264 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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	18,104	14,664	14,878	14,173	14,592	15,464	15,126	14,890	-1.6%	0.2%
Albania	200	289	319	310	246	246	246	246	0.0%	-1.6%
Austria	63	73	80	78	62	62	62	59	-4.9%	-2.1%
Belarus	200	287	317	308	244	244	244	244	0.0%	-1.6%
Bulgaria	15	22	24	23	19	19	19	19	0.0%	-1.6%
Croatia	70	106	117	114	90	90	90	90	0.0%	-1.6%
Czech Republic	15	22	24	23	19	19	19	19	0.0%	-1.6%
Denmark	1,277	899	491	440	440	425	425	425	0.0%	-7.2%
France	159	147	162	157	125	125	125	125	0.0%	-1.6%
Germany	370	400	442	430	341	341	341	384	12.7%	-0.4%
Greece	7	15	16	16	12	12	12	12	0.0%	-1.6%
Hungary	104	39	43	42	33	33	33	22	-33.9%	-5.6%
Italy (**)	443	559	595	521	571	554	532	583	9.6%	0.4%
Lithuania	12	17	19	19	15	15	15	15	0.0%	-1.6%
Netherlands	107	145	160	156	123	123	123	190	54.2%	2.8%
Norway	9,688	6,804	7,340	7,082	7,931	8,635	8,519	7,898	-7.3%	1.5%
Poland	97	139	154	149	118	118	118	114	-4.0%	-2.0%
Romania	458	600	600	600	600	601	601	601	0.0%	0.0%
Serbia	79	113	125	121	96	96	96	96	0.0%	-1.6%
Slovakia	9	13	14	14	11	11	11	11	0.0%	-1.6%
Spain	159	218	240	234	185	185	185	185	0.0%	-1.6%
Turkey	303	380	420	408	323	323	323	365	13.0%	-0.4%
Ukraine	399	573	633	615	487	487	487	487	0.0%	-1.6%
United Kingdom	3,870	2,805	2,542	2,313	2,500	2,700	2,500	2,700	8.0%	-0.4%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	122,691	143,884	141,497	140,705	144,584	144,793	145,422	146,006	0.4%	0.1%
Russia	105,464	105,564	103,164	102,375	106,283	106,592	107,221	107,804	0.5%	0.2%
Azerbaijan	7,000	7,000	7,000	7,000	7,000	6,978	6,978	6,978	0.0%	0.0%
Georgia	35	51	56	54	43	43	43	43	0.0%	-1.6%
Kazakhstan	9,000	30,000	30,000	30,000	30,000	29,921	29,921	29,921	0.0%	0.0%
Kyrgyzstan	40	58	64	62	49	49	49	49	0.0%	-1.6%
Tajikistan	12	17	19	19	15	15	15	15	0.0%	-1.6%
Turkmenistan	546	600	600	600	600	601	601	601	0.0%	0.0%
Uzbekistan	594	594	594	594	594	594	594	594	0.0%	0.0%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	751,691	794,654	802,913	807,790	804,658	803,247	847,821	847,851	0.0%	0.7%
Bahrain	126	181	200	195	154	154	154	304	97.1%	5.3%
Iran	136,270	151,170	158,400	157,200	155,600	155,600	208,600	208,600	0.0%	3.3%
Iraq	115,000	143,100	142,503	148,766	147,223	145,019	145,019	145,019	0.0%	0.1%
Israel	2	3	3	3	2	2	2	2	0.0%	-1.6%
Jordan	1	1	2	2	1	1	1	1	0.0%	-1.6%
Kuwait	101,500	101,500	101,500	101,500	101,500	101,500	101,500	101,500	0.0%	0.0%
Oman	5,572	5,500	5,306	5,373	5,373	5,358	5,358	5,358	0.0%	-0.3%
Qatar	25,288	25,382	25,244	25,244	25,244	25,244	25,244	25,244	0.0%	-0.1%
Saudi Arabia	264,211	264,516	266,455	266,208	266,260	267,026	258,600	258,481	0.0%	-0.2%
Syria	3,000	2,500	2,500	2,500	2,500	2,661	2,661	2,661	0.0%	0.6%
United Arab Emirates	97,800	97,800	97,800	97,800	97,800	97,800	97,800	97,800	0.0%	0.0%
Yemen	2,921	3,000	3,000	3,000	3,000	2,881	2,881	2,881	0.0%	-0.4%

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

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

Countries^(*)(million barrels as at 31st December)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	111,151	120,065	124,245	124,508	123,065	122,293	121,783	122,646	0.7%	0.2%
Algeria	12,270	12,200	12,200	12,200	12,200	12,200	12,200	12,200	0.0%	0.0%
Angola	9,050	9,055	9,524	9,523	8,384	8,160	7,783	7,783	0.0%	-1.5%
Benin	8	12	13	12	10	10	10	10	0.0%	-1.6%
Cameroon	404	290	320	311	247	247	247	247	0.0%	-1.6%
Chad	1,500	1,500	1,500	1,500	1,500	1,583	1,583	1,583	0.0%	0.5%
Congo	1,506	1,600	1,600	1,600	1,600	1,598	1,598	1,660	3.9%	0.4%
Côte d'Ivoire	101	145	160	156	123	123	123	119	-3.4%	-1.9%
Dem. Rep. Congo	189	261	288	280	222	222	222	222	0.0%	-1.6%
Egypt	3,720	4,500	3,473	3,384	3,325	3,197	3,146	3,146	0.0%	-3.5%
Equatorial Guinea	1,805	1,705	1,100	1,100	1,100	1,100	1,100	1,100	0.0%	-4.3%
Gabon	2,146	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0.0%	0.0%
Ghana	17	677	684	681	681	681	681	681	0.0%	0.1%
Libya	41,464	47,097	48,363	48,363	48,363	48,363	48,363	48,363	0.0%	0.3%
Mauritania	0	145	160	156	123	123	123	123	0.0%	-1.6%
Morocco	1	1	2	2	1	1	1	1	0.0%	-1.6%
Mozambique	15	15	15	15	15	15	15	15	0.0%	0.0%
Niger	0	0	147	147	144	147	147	147	0.0%	
Nigeria	36,220	37,200	37,062	37,453	37,453	36,972	36,890	37,695	2.2%	0.1%
Sierra Leone	0	0	440	440	440	440	440	440	0.0%	
South Africa	16	22	24	23	19	19	19	19	0.0%	-1.6%
South Sudan	0	0	3,500	3,500	3,500	3,500	3,500	3,500	0.0%	
Sudan	159	218	240	234	185	185	185	185	0.0%	-1.6%
Tunisia	560	425	425	425	425	403	403	403	0.0%	-0.5%
Uganda	0	997	1,004	1,004	1,004	1,004	1,004	1,004	0.0%	0.1%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	42,925	48,712	50,596	49,551	49,407	49,650	49,289	48,453	-1.7%	-0.1%
Afghanistan	0	0	0	0	88	88	88	88	0.0%	
Australia	3,718	3,831	3,985	3,985	3,995	3,995	3,995	3,995	0.0%	0.4%
Bangladesh	28	41	45	44	35	35	35	35	0.0%	-1.6%
Brunei	1,105	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0.0%	0.0%
China	18,250	23,268	25,626	25,664	25,948	26,190	25,963	25,963	0.0%	1.1%
India	5,919	4,818	4,535	4,409	4,339	4,518	4,404	4,293	-2.5%	-1.1%
Indonesia	4,188	3,990	3,230	3,230	3,310	3,170	3,150	2,480	-21.3%	-4.6%
Japan	60	64	70	68	54	54	54	54	0.0%	-1.6%
Malaysia	5,290	5,799	5,907	5,030	4,727	4,727	4,727	4,727	0.0%	-2.0%
Mongolia	15	15	257	257	257	257	257	257	0.0%	33.1%
Myanmar	50	73	80	78	62	62	62	62	0.0%	-1.6%
New Zealand	53	87	96	93	74	74	74	66	-10.8%	-2.7%
Pakistan	292	454	501	487	386	386	386	377	-2.3%	-1.8%
Papua New Guinea	242	128	141	137	109	109	109	100	-7.7%	-2.4%
Philippines	140	202	223	216	172	172	172	172	0.0%	-1.6%
Taiwan	2	3	3	3	2	2	2	2	0.0%	-1.6%
Thailand	453	442	396	349	349	323	323	293	-9.3%	-4.0%
Vietnam	3,119	4,400	4,400	4,400	4,400	4,391	4,391	4,391	0.0%	0.0%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	319,986	539,594	546,603	544,600	551,627	557,061	554,883	560,418	1.0%	0.4%
Argentina	2,180	2,524	2,395	2,162	2,017	2,387	2,483	2,483	0.0%	-0.2%
Barbados	3	3	3	3	2	2	2	2	-6.8%	-2.3%
Belize	0	10	11	11	9	9	9	9	0.0%	-1.6%
Bolivia	445	675	745	724	574	574	574	574	0.0%	-1.6%
Brazil	11,773	14,247	13,000	12,634	12,794	13,436	12,715	11,937	-6.1%	-1.8%
Canada	180,044	174,848	171,512	170,528	171,792	170,732	169,125	168,088	-0.6%	-0.4%
Chile	151	218	240	234	185	185	185	185	0.0%	-1.6%
Colombia	1,453	1,900	2,308	2,002	1,665	1,774	1,774	1,843	3.9%	-0.3%
Cuba	757	180	199	193	153	153	153	153	0.0%	-1.6%
Ecuador	5,180	7,206	8,273	8,273	8,273	8,273	8,273	8,273	0.0%	1.4%
Guatemala	93	120	133	129	102	102	102	99	-3.7%	-2.0%
Mexico	12,882	13,796	9,632	8,652	7,695	7,010	7,010	7,010	0.0%	-6.5%
Peru	1,078	1,240	1,187	1,225	1,225	1,225	1,225	985	-19.6%	-2.3%
Suriname	112	116	128	125	99	99	99	87	-11.8%	-2.8%
Trinidad and Tobago	803	830	728	243	243	242	242	242	0.0%	-11.6%
United States	23,019	25,181	35,230	35,213	41,990	47,053	47,107	54,644	16.0%	8.1%
Venezuela	80,012	296,501	300,878	302,250	302,809	303,806	303,806	303,806	0.0%	0.2%

(*) 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)

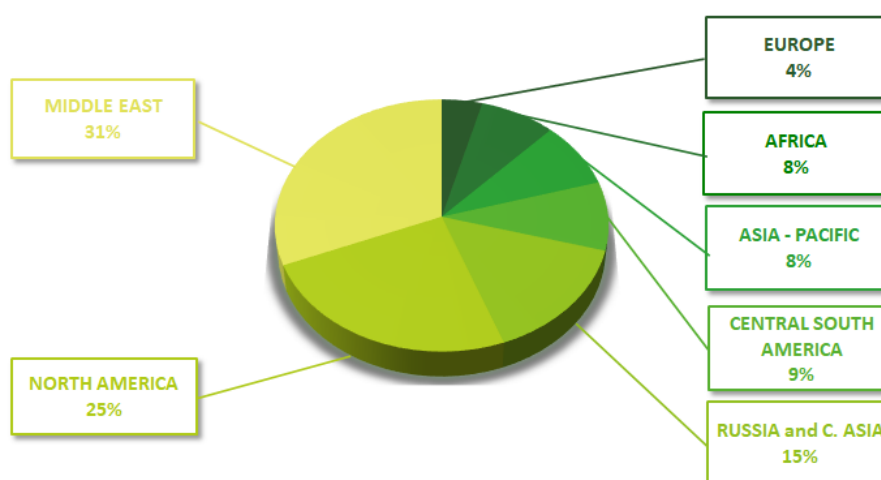
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	5,894	4,410	3,718	3,743	3,697	3,665	3,555	3,743	5.3%	-1.6%
Russia and Central Asia	11,699	13,414	13,949	14,119	14,224	14,477	14,544	13,410	-7.8%	0.0%
Middle East	25,562	25,367	29,801	31,548	31,143	31,748	30,276	27,807	-8.2%	0.9%
Africa	9,906	10,243	8,338	7,788	8,189	8,280	8,444	7,004	-17.1%	-3.7%
Asia - Pacific	7,972	8,370	8,290	7,993	7,772	7,627	7,627	7,540	-1.1%	-1.0%
Americas	21,105	21,527	27,968	27,084	27,750	29,609	30,955	29,726	-4.0%	3.3%
- North America	10,202	11,216	17,552	17,116	18,279	20,945	22,759	21,877	-3.9%	6.9%
- Central South America	10,903	10,311	10,416	9,968	9,471	8,664	8,196	7,849	-4.2%	-2.7%
World	82,138	83,331	92,064	92,275	92,775	95,406	95,401	89,230	-6.5%	0.7%
European Union	2,735	2,080	1,590	1,577	1,561	1,641	1,639	1,563	-4.6%	-2.8%
MENA	29,937	29,532	32,580	34,295	34,235	34,982	33,597	30,181	-10.2%	0.2%
OECD	20,181	18,994	24,097	23,539	24,398	26,894	28,532	27,893	-2.2%	3.9%
NON OECD	61,957	64,337	67,967	68,736	68,377	68,512	66,869	61,337	-8.3%	-0.5%
OPEC	33,935	33,309	36,061	37,124	36,870	36,860	34,987	30,875	-11.8%	-0.8%
NON OPEC	48,203	50,022	56,003	55,151	55,905	58,546	60,414	58,355	-3.4%	1.6%

The World Top 10 Producers^(**)

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

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
United States	7,077	7,758	13,016	12,501	13,289	15,537	17,211	16,569	-3.7%	7.9%
Saudi Arabia	10,927	9,971	12,045	12,344	11,876	12,345	11,828	11,143	-5.8%	1.1%
Russia	9,636	10,390	11,084	11,328	11,321	11,494	11,582	10,607	-8.4%	0.2%
Canada	3,125	3,458	4,536	4,615	4,990	5,408	5,548	5,308	-4.3%	4.4%
Iraq	1,833	2,430	4,078	4,503	4,563	4,663	4,812	4,148	-13.8%	5.5%
China	3,597	4,038	4,271	3,982	3,892	3,848	3,921	3,970	1.2%	-0.2%
United Arab Emirates	2,994	2,831	3,762	3,848	3,740	3,801	4,009	3,675	-8.3%	2.6%
Brazil	1,708	2,152	2,547	2,628	2,755	2,713	2,897	3,047	5.2%	3.5%
Iran	4,200	4,215	3,593	4,422	4,762	4,632	3,397	2,986	-12.1%	-3.4%
Kuwait	2,548	2,498	3,097	3,194	3,014	3,050	2,987	2,727	-8.7%	0.9%
The World Top 10	47,645	49,741	62,029	63,365	64,202	67,491	68,192	64,180	-5.9%	2.6%
Rest of the World	34,493	33,590	30,035	28,910	28,573	27,915	27,209	25,050	-7.9%	-2.9%
World	82,138	83,331	92,064	92,275	92,775	95,406	95,401	89,230	-6.5%	0.7%

World Oil Production (2020)
89,230 thousand barrels/day



(*) Data source: Eni's calculations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: IEA (2021) *Monthly Oil Data Services*. All rights reserved.

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

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	5,894	4,410	3,718	3,743	3,697	3,665	3,555	3,743	5.3%	-1.6%
Albania	8	13	23	19	17	16	15	14	-6.7%	0.7%
Austria	19	21	17	15	14	13	13	11	-15.4%	-6.3%
Belarus	36	34	33	33	32	34	34	34	0.0%	0.0%
Bulgaria	1	1	1	1	1	1	1	1	0.0%	0.0%
Croatia	21	18	14	15	15	15	15	13	-13.3%	-3.2%
Czech Republic	6	5	7	5	7	6	6	8	33.3%	4.8%
Denmark	388	255	159	142	140	117	104	75	-27.9%	-11.5%
Estonia	5	10	16	14	18	22	23	23	0.0%	8.7%
France	25	42	31	39	36	21	30	36	20.0%	-1.5%
Germany	78	76	67	68	67	67	61	76	24.6%	0.0%
Greece	2	2	1	3	3	4	3	2	-33.3%	0.0%
Hungary	32	25	18	21	22	23	23	20	-13.0%	-2.2%
Italy	121	97	131	96	97	110	89	111	24.7%	1.4%
Netherlands	47	33	36	24	24	23	18	23	27.8%	-3.5%
Norway	2,962	2,138	1,948	1,995	1,969	1,850	1,737	2,001	15.2%	-0.7%
Poland	25	24	28	22	24	32	31	30	-3.2%	2.3%
Portugal	0	1	0	1	1	0	1	0	-100.0%	-100.0%
Romania	113	89	82	78	75	74	72	69	-4.2%	-2.5%
Serbia	13	18	22	20	20	18	17	15	-11.8%	-1.8%
Slovakia	4	4	5	4	6	3	3	4	33.3%	0.0%
Spain	3	12	5	3	2	2	1	1	0.0%	-22.0%
Turkey	43	48	48	49	49	55	58	62	6.9%	2.6%
Ukraine	97	79	54	50	49	51	55	54	-1.8%	-3.7%
United Kingdom	1,845	1,365	972	1,026	1,009	1,108	1,145	1,060	-7.4%	-2.5%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	11,699	13,414	13,949	14,119	14,224	14,477	14,544	13,410	-7.8%	0.0%
Russia	9,636	10,390	11,084	11,328	11,321	11,494	11,582	10,607	-8.4%	0.2%
Azerbaijan	449	1,042	849	829	784	793	765	699	-8.6%	-3.9%
Georgia	1	1	1	0	0	0	0	0		-100.0%
Kazakhstan	1,293	1,694	1,694	1,666	1,840	1,927	1,933	1,836	-5.0%	0.8%
Kyrgyzstan	2	1	1	1	1	1	1	1	0.0%	0.0%
Turkmenistan	210	211	268	247	232	219	223	229	2.7%	0.8%
Uzbekistan	108	75	52	48	46	43	40	38	-5.0%	-6.6%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	25,562	25,367	29,801	31,548	31,143	31,748	30,276	27,807	-8.2%	0.9%
Bahrain	198	192	213	213	210	208	208	181	-13.0%	-0.6%
Iran	4,200	4,215	3,593	4,422	4,762	4,632	3,397	2,986	-12.1%	-3.4%
Iraq	1,833	2,430	4,078	4,503	4,563	4,663	4,812	4,148	-13.8%	5.5%
Kuwait	2,548	2,498	3,097	3,194	3,014	3,050	2,987	2,727	-8.7%	0.9%
Oman	777	871	988	1,012	978	986	979	957	-2.2%	0.9%
Qatar	1,216	1,668	1,966	1,971	1,931	1,969	1,962	1,880	-4.2%	1.2%
Saudi Arabia	10,927	9,971	12,045	12,344	11,876	12,345	11,828	11,143	-5.8%	1.1%
Syria	448	385	27	25	25	24	24	43	79.2%	-19.7%
United Arab Emirates	2,994	2,831	3,762	3,848	3,740	3,801	4,009	3,675	-8.3%	2.6%
Yemen	421	306	32	16	44	70	70	67	-4.3%	-14.1%

(*) Data source: IEA (2021) *Monthly Oil Data Services*. All rights reserved.

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

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	9,906	10,243	8,338	7,788	8,189	8,280	8,444	7,004	-17.1%	-3.7%
Algeria	1,931	1,720	1,590	1,604	1,530	1,512	1,490	1,356	-9.0%	-2.3%
Angola	1,245	1,800	1,796	1,743	1,701	1,543	1,449	1,326	-8.5%	-3.0%
Cameroon	89	64	93	92	75	67	64	73	14.1%	1.3%
Chad	170	120	139	129	112	128	148	106	-28.4%	-1.2%
Congo	247	313	234	217	266	331	339	305	-10.0%	-0.3%
Côte d'Ivoire	40	39	26	32	40	41	48	28	-41.7%	-3.3%
Dem. Rep. Congo	25	25	22	21	20	19	18	21	16.7%	-1.7%
Egypt	649	701	697	665	640	650	632	597	-5.5%	-1.6%
Equatorial Guinea	380	311	276	231	212	208	196	190	-3.1%	-4.8%
Gabon	270	249	230	227	200	190	212	198	-6.6%	-2.3%
Ghana	6	7	106	92	167	190	199	185	-7.0%	38.7%
Libya	1,721	1,661	437	426	877	1,029	1,159	384	-66.9%	-13.6%
Mauritania	0	9	5	4	3	0	0	0		-100.0%
Morocco	1	0	0	0	0	0	0	0		
Niger	0	0	15	16	15	15	14	14	0.0%	
Nigeria	2,546	2,535	2,258	1,936	1,996	2,022	2,127	1,861	-12.5%	-3.0%
South Africa	208	141	106	103	101	93	97	92	-5.2%	-4.2%
South Sudan	0	0	148	117	122	128	139	170	22.3%	
Sudan	305	465	105	81	67	71	73	61	-16.4%	-18.4%
Tunisia	73	83	55	52	45	43	40	37	-7.5%	-7.8%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	7,972	8,370	8,290	7,993	7,772	7,627	7,627	7,540	-1.1%	-1.0%
Australia	545	549	371	345	315	342	418	464	11.0%	-1.7%
Bangladesh	6	5	4	4	4	3	3	11	266.7%	8.2%
Brunei	206	169	127	121	113	111	121	110	-9.1%	-4.2%
China	3,597	4,038	4,271	3,982	3,892	3,848	3,921	3,970	1.2%	-0.2%
East Timor	100	88	60	49	40	33	28	14	-50.0%	-16.8%
India	778	880	872	852	859	843	800	750	-6.3%	-1.6%
Indonesia	1,086	991	817	866	831	798	763	737	-3.4%	-2.9%
Japan	19	18	12	11	12	10	11	10	-9.1%	-5.7%
Malaysia	778	717	701	737	729	720	670	604	-9.9%	-1.7%
Mongolia	1	6	24	22	20	19	18	18	0.0%	11.6%
Myanmar	22	19	11	12	12	11	11	9	-18.2%	-7.2%
New Zealand	24	60	48	41	37	30	30	24	-20.0%	-8.8%
Pakistan	66	66	87	88	89	88	86	101	17.4%	4.3%
Papua New Guinea	54	32	58	56	50	45	51	40	-21.6%	2.3%
Philippines	23	20	16	15	13	13	15	12	-20.0%	-5.0%
South Korea	10	21	22	24	25	29	28	34	21.4%	4.9%
Taiwan	1	0	0	0	0	0	0	0		
Thailand	284	383	452	462	455	438	427	410	-4.0%	0.7%
Vietnam	372	308	337	306	276	246	226	222	-1.8%	-3.2%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	21,105	21,527	27,968	27,084	27,750	29,609	30,955	29,726	-4.0%	3.3%
Argentina	834	712	629	601	572	581	601	609	1.3%	-1.6%
Barbados	1	1	1	1	1	1	1	1	0.0%	0.0%
Bolivia	58	50	75	75	73	71	68	64	-5.9%	2.5%
Brazil	1,708	2,152	2,547	2,628	2,755	2,713	2,897	3,047	5.2%	3.5%
Canada	3,125	3,458	4,536	4,615	4,990	5,408	5,548	5,308	-4.3%	4.4%
Chile	8	13	6	5	6	9	12	9	-25.0%	-3.6%
Colombia	528	788	1,014	906	862	873	893	788	-11.8%	0.0%
Cuba	54	56	53	48	44	42	39	44	12.8%	-2.4%
Ecuador	534	468	541	547	531	523	529	485	-8.3%	0.4%
Guatemala	18	12	10	9	8	7	7	8	14.3%	-4.0%
Guyana	0	0	0	0	0	0	1	70		
Mexico	3,768	2,959	2,597	2,470	2,236	2,073	1,928	1,932	0.2%	-4.2%
Peru	116	156	150	134	133	133	140	125	-10.7%	-2.2%
Suriname	12	21	19	18	18	17	16	15	-6.3%	-3.3%
Trinidad and Tobago	171	148	109	97	99	87	82	76	-7.3%	-6.4%
United States	7,077	7,758	13,016	12,501	13,289	15,537	17,211	16,569	-3.7%	7.9%
Venezuela	3,093	2,775	2,665	2,429	2,133	1,534	982	576	-41.3%	-14.5%

(*) Data source: IEA (2021) *Monthly Oil Data Services*. All rights reserved.

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

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
United States	1,717	2,074	3,342	3,509	3,783	4,369	4,825	5,161	7.0%	9.5%
Saudi Arabia	1,493	1,710	1,805	1,848	1,838	1,939	1,898	1,853	-2.4%	0.8%
Iran	321	510	747	870	950	1,033	1,002	1,005	0.3%	7.0%
Canada	668	608	708	792	839	904	961	954	-0.7%	4.6%
United Arab Emirates	536	520	816	798	807	803	832	812	-2.4%	4.6%
Algeria	603	515	481	494	483	470	466	458	-1.7%	-1.2%
Qatar	258	339	381	381	381	381	381	381	0.0%	1.2%
Nigeria	141	464	459	446	443	413	377	351	-6.9%	-2.8%
Russia	145	251	365	364	341	333	332	338	1.8%	3.0%
Kuwait	125	200	310	310	307	305	305	303	-0.7%	4.2%
The World Top 10	6,007	7,191	9,414	9,812	10,172	10,950	11,379	11,616	2.1%	4.9%
Rest of the world	2,265	2,447	2,252	2,277	2,316	2,253	2,219	2,060	-7.2%	-1.7%
World	8,272	9,638	11,666	12,089	12,488	13,203	13,598	13,676	0.6%	3.6%

^(*) Data source: IEA (2021) *Monthly Oil Data Services*. All rights reserved.

Area and Aggregates^(*)

(years)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	8	9	11	10	11	12	12	11
Russia and Central Asia	29	29	28	27	28	27	27	30
Middle East	81	86	74	70	71	69	77	84
Africa	31	32	41	44	41	40	40	48
Asia - Pacific	15	16	17	17	17	18	18	18
Americas	42	69	54	55	54	52	49	52
- North America	55	49	32	33	32	28	26	28
- Central South America	29	90	89	93	98	107	113	118
World	46	55	50	50	50	49	50	53
European Union	7	8	10	9	9	9	9	10
MENA	74	80	73	70	70	68	74	83
OECD	32	33	27	27	27	25	23	24
NON OECD	50	61	58	58	58	58	61	67
OPEC	73	96	90	88	88	88	96	109
NON OPEC	27	27	25	25	25	24	23	24

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

(years)

	2005	2010	2015	2016	2017	2018	2019	2020
Iran	89	98	121	97	90	92	168	191
Kuwait	109	111	90	87	92	91	93	102
Iraq	172	161	96	91	88	85	83	96
Canada	158	139	104	101	94	86	84	87
United Arab Emirates	89	95	71	70	72	70	67	73
Saudi Arabia	66	73	61	59	61	59	60	64
Russia	30	28	25	25	26	25	25	28
China	14	16	16	18	18	19	18	18
Brazil	19	18	14	13	13	14	12	11
United States	9	9	7	8	9	8	7	9

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries^(*)
(years)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	8	9	11	10	11	12	12	11
Albania	68	61	38	45	40	42	45	48
Austria	9	9	13	14	12	13	13	15
Belarus	15	23	26	26	21	20	20	20
Bulgaria	41	60	66	64	51	51	51	51
Croatia	9	16	23	21	16	16	16	19
Czech Republic	7	12	9	13	7	8	8	6
Denmark	9	10	8	8	9	10	11	16
France	17	10	14	11	9	16	11	9
Germany	13	14	18	17	14	14	15	14
Greece	10	20	44	14	11	8	11	17
Hungary	9	4	7	5	4	4	4	3
Italy	10	16	12	15	16	14	16	14
Netherlands	6	12	12	18	14	15	19	23
Norway	9	9	10	10	11	13	13	11
Poland	11	16	15	19	14	10	10	10
Romania	11	18	20	21	22	22	23	24
Serbia	17	17	16	17	13	15	16	18
Slovakia	6	9	8	10	5	10	10	8
Spain	146	50	132	213	254	254	507	507
Turkey	19	22	24	23	18	16	15	16
Ukraine	11	20	32	34	27	26	24	25
United Kingdom	6	6	7	6	7	7	6	7

	2005	2010	2015	2016	2017	2018	2019	2020
Russia and Central Asia	29	29	28	27	28	27	27	30
Russia	30	28	25	25	26	25	25	28
Azerbaijan	43	18	23	23	24	24	25	27
Georgia	97	139	154					
Kazakhstan	19	49	49	49	45	43	42	45
Kyrgyzstan	55	159	176	171	135	135	135	135
Turkmenistan	7	8	6	7	7	8	7	7
Uzbekistan	15	22	31	34	35	38	41	43

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Countries^(*)
(years)

	2005	2010	2015	2016	2017	2018	2019	2020
Middle East	81	86	74	70	71	69	77	84
Bahrain	2	3	3	3	2	2	2	5
Iran	89	98	121	97	90	92	168	191
Iraq	172	161	96	91	88	85	83	96
Kuwait	109	111	90	87	92	91	93	102
Oman	20	17	15	15	15	15	15	15
Qatar	57	42	35	35	36	35	35	37
Saudi Arabia	66	73	61	59	61	59	60	64
Syria	18	18	254	274	274	304	304	170
United Arab Emirates	89	95	71	70	72	70	67	73
Yemen	19	27	257	514	187	113	113	118

	2005	2010	2015	2016	2017	2018	2019	2020
Africa	31	32	41	44	41	40	40	48
Algeria	17	19	21	21	22	22	22	25
Angola	20	14	15	15	14	14	15	16
Cameroon	12	12	9	9	9	10	11	9
Chad	24	34	30	32	37	34	29	41
Congo	17	14	19	20	16	13	13	15
Côte d'Ivoire	7	10	17	13	8	8	7	12
Dem. Rep. Congo	21	29	36	37	30	32	34	29
Egypt	16	18	14	14	14	13	14	14
Equatorial Guinea	13	15	11	13	14	14	15	16
Gabon	22	22	24	24	27	29	26	28
Ghana	8	265	18	20	11	10	9	10
Libya	66	78	303	311	151	129	114	345
Mauritania		44	88	107	113			
Morocco	3							
Niger			27	25	26	27	29	29
Nigeria	39	40	45	53	51	50	48	55
South Sudan			65	82	79	75	69	56
Sudan	1	1	6	8	8	7	7	8
Tunisia	21	14	21	22	26	26	28	30

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries^(*)

(years)

	2005	2010	2015	2016	2017	2018	2019	2020
Asia - Pacific	15	16	17	17	17	18	18	18
Australia	19	19	29	32	35	32	26	24
Bangladesh	13	22	31	30	24	32	32	9
Brunei	15	18	24	25	27	27	25	27
China	14	16	16	18	18	19	18	18
India	21	15	14	14	14	15	15	16
Indonesia	11	11	11	10	11	11	11	9
Japan	9	10	16	17	12	15	14	15
Malaysia	19	22	23	19	18	18	19	21
Mongolia	40	7	29	32	35	37	39	39
Myanmar	6	10	20	18	14	15	15	19
New Zealand	6	4	5	6	5	7	7	8
Pakistan	12	19	16	15	12	12	12	10
Papua New Guinea	12	11	7	7	6	7	6	7
Philippines	17	28	38	40	36	36	31	39
Taiwan	7							
Thailand	4	3	2	2	2	2	2	2
Vietnam	23	39	36	39	44	49	53	54

	2005	2010	2015	2016	2017	2018	2019	2020
Americas	42	69	54	55	54	52	49	52
Argentina	7	10	10	10	10	11	11	11
Barbados	8	8	9	9	7	7	7	6
Bolivia	21	37	27	26	22	22	23	25
Brazil	19	18	14	13	13	14	12	11
Canada	158	139	104	101	94	86	84	87
Chile	52	46	110	128	85	56	42	56
Colombia	8	7	6	6	5	6	5	6
Cuba	38	9	10	11	10	10	11	10
Ecuador	27	42	42	41	43	43	43	47
Guatemala	14	27	36	39	35	40	40	34
Mexico	9	13	10	10	9	9	10	10
Peru	25	22	22	25	25	25	24	22
Suriname	26	15	18	19	15	16	17	16
Trinidad and Tobago	13	15	18	7	7	8	8	9
United States	9	9	7	8	9	8	7	9
Venezuela	71	293	309	341	389	543	848	1,445

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Areas and Aggregates^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	17,094	15,925	14,953	15,175	15,568	15,487	15,441	13,559	-12.2%	-1.6%
Russia and Central Asia	3,311	3,424	4,228	4,093	4,263	4,273	4,361	4,175	-4.3%	2.0%
Middle East	6,149	7,556	8,691	8,496	8,555	8,519	8,561	7,863	-8.2%	0.4%
Africa	2,913	3,592	4,183	4,140	4,158	4,331	4,244	3,834	-9.7%	0.7%
Asia - Pacific	24,289	27,518	32,197	32,987	34,173	34,747	35,213	33,431	-5.1%	2.0%
Americas	30,802	30,301	31,269	31,293	31,490	31,955	31,878	28,156	-11.7%	-0.7%
- North America	23,484	21,840	22,280	22,465	22,737	23,347	23,233	20,542	-11.6%	-0.6%
- Central South America	7,318	8,461	8,989	8,828	8,753	8,608	8,645	7,614	-11.9%	-1.0%
World	84,558	88,316	95,521	96,184	98,207	99,312	99,698	91,018	-8.7%	0.3%
European Union	15,211	14,024	12,986	13,116	13,453	13,383	13,317	11,618	-12.8%	-1.9%
MENA	7,584	9,319	10,600	10,338	10,367	10,335	10,363	9,487	-8.5%	0.2%
OECD	50,533	47,138	46,639	47,063	47,673	47,991	47,695	42,089	-11.8%	-1.1%
NON OECD	34,025	41,178	48,882	49,121	50,534	51,321	52,003	48,929	-5.9%	1.7%
OPEC	4,857	5,701	6,346	6,156	6,158	6,297	6,175	5,494	-11.0%	-0.4%
NON OPEC	79,701	82,615	89,175	90,028	92,049	93,015	93,523	85,524	-8.6%	0.3%

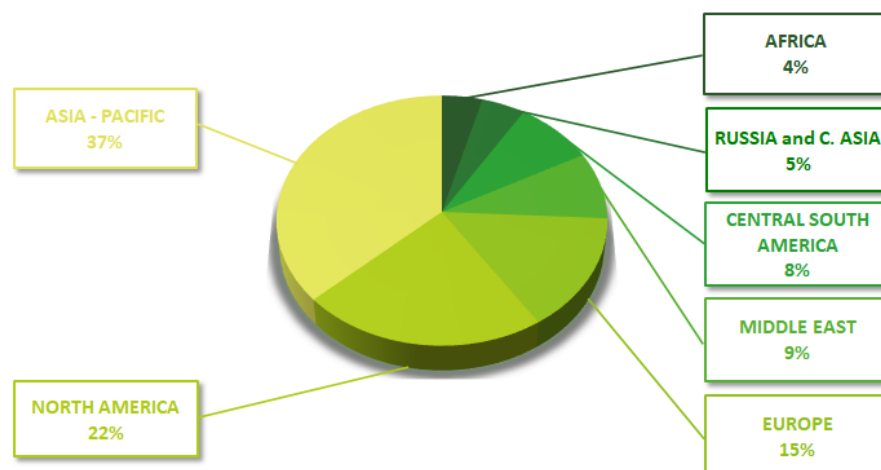
The World Top 10 Consumers^(**)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
United States	21,168	19,476	19,840	19,999	20,273	20,822	20,863	18,443	-11.6%	-0.5%
China	6,766	9,031	11,639	12,013	12,574	13,002	13,680	13,933	1.8%	4.4%
India	2,639	3,361	4,280	4,510	4,753	4,942	4,988	4,536	-9.1%	3.0%
Russia	2,732	2,828	3,480	3,313	3,499	3,498	3,576	3,456	-3.4%	2.0%
Japan	5,298	4,402	4,163	4,030	3,932	3,786	3,652	3,284	-10.1%	-2.9%
Saudi Arabia	1,941	2,674	3,415	3,301	3,205	3,065	3,084	2,967	-3.8%	1.0%
Brazil	2,173	2,774	3,191	3,004	3,043	2,976	3,078	2,928	-4.9%	0.5%
South Korea	2,191	2,269	2,473	2,605	2,630	2,567	2,546	2,413	-5.2%	0.6%
Germany	2,624	2,467	2,368	2,383	2,450	2,333	2,362	2,148	-9.1%	-1.4%
Canada	2,316	2,364	2,440	2,466	2,464	2,525	2,370	2,099	-11.4%	-1.2%
The World Top 10	49,848	51,646	57,289	57,624	58,823	59,516	60,199	56,207	-6.6%	0.8%
Rest of the World	34,710	36,670	38,232	38,560	39,384	39,796	39,499	34,811	-11.9%	-0.5%
World	84,558	88,316	95,521	96,184	98,207	99,312	99,698	91,018	-8.7%	0.3%

World Oil Consumption (2020)

91,018 thousand barrels/day



^(*) Data sources: Eni's calculations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

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Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	17,094	15,925	14,953	15,175	15,568	15,487	15,441	13,559	-12.2%	-1.6%
Albania	29	26	26	28	30	27	28	25	-10.7%	-0.4%
Austria	297	278	258	262	263	269	274	236	-13.9%	-1.6%
Belarus	149	151	139	137	137	151	151	143	-5.3%	-0.5%
Belgium	660	653	623	632	638	683	665	589	-11.4%	-1.0%
Bosnia Herzegovina	23	34	31	35	35	35	35	32	-8.6%	-0.6%
Bulgaria	99	84	95	96	98	100	102	92	-9.8%	0.9%
Croatia	94	78	69	68	73	72	72	64	-11.1%	-2.0%
Cyprus	57	57	48	52	53	53	53	47	-11.3%	-1.9%
Czech Republic	213	202	196	180	214	217	219	192	-12.3%	-0.5%
Denmark	183	167	154	158	159	161	166	138	-16.9%	-1.9%
Estonia	26	27	29	29	30	30	29	29	0.0%	0.7%
Finland	221	214	207	210	208	211	204	209	2.5%	-0.2%
France	1,989	1,817	1,746	1,707	1,736	1,688	1,690	1,433	-15.2%	-2.3%
Germany	2,624	2,467	2,368	2,383	2,450	2,333	2,362	2,148	-9.1%	-1.4%
Gibraltar	79	83	74	75	84	82	78	74	-5.1%	-1.1%
Greece	424	370	295	296	303	300	313	256	-18.2%	-3.6%
Hungary	155	149	155	156	168	179	180	171	-5.0%	1.4%
Iceland	17	15	17	19	21	23	18	14	-22.2%	-0.7%
Ireland	198	167	146	152	153	159	159	136	-14.5%	-2.0%
Italy	1,781	1,544	1,274	1,237	1,244	1,272	1,205	1,021	-15.3%	-4.1%
Kosovo	10	11	14	14	15	15	15	14	-6.7%	2.4%
Latvia	36	37	37	38	38	35	38	33	-13.2%	-1.1%
Lithuania	59	56	57	62	64	68	67	64	-4.5%	1.3%
Luxembourg	65	60	56	56	59	63	64	52	-18.8%	-1.4%
Malta	31	47	43	45	51	52	53	49	-7.5%	0.4%
Moldova	14	17	18	19	20	21	22	19	-13.6%	1.1%
Montenegro	6	7	6	7	8	8	8	7	-12.5%	0.0%
Netherlands	1,046	985	921	937	946	931	899	893	-0.7%	-1.0%
North Macedonia	18	18	20	22	21	21	21	20	-4.8%	1.1%
Norway	222	229	223	212	215	222	207	180	-13.0%	-2.4%
Poland	471	568	541	582	658	680	694	661	-4.8%	1.5%
Portugal	337	274	237	237	242	231	250	202	-19.2%	-3.0%
Romania	224	176	194	204	217	215	228	226	-0.9%	2.5%
Serbia	83	81	71	77	77	76	78	71	-9.0%	-1.3%
Slovakia	78	84	79	82	90	92	85	81	-4.7%	-0.4%
Slovenia	54	55	49	52	54	57	54	47	-13.0%	-1.6%
Spain	1,607	1,441	1,247	1,290	1,297	1,332	1,328	1,089	-18.0%	-2.8%
Sweden	363	343	302	317	322	292	296	233	-21.3%	-3.8%
Switzerland	267	261	227	228	225	222	228	191	-16.2%	-3.1%
Turkey	659	675	881	942	991	958	989	923	-6.7%	3.2%
Ukraine	307	293	220	244	236	243	246	228	-7.3%	-2.5%
United Kingdom	1,819	1,624	1,560	1,596	1,625	1,608	1,568	1,227	-21.7%	-2.8%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	3,311	3,424	4,228	4,093	4,263	4,273	4,361	4,175	-4.3%	2.0%
Russia	2,732	2,828	3,480	3,313	3,499	3,498	3,576	3,456	-3.4%	2.0%
Armenia	9	9	7	7	8	8	8	7	-12.5%	-2.5%
Azerbaijan	104	74	96	96	102	103	104	93	-10.6%	2.3%
Georgia	17	22	26	32	31	29	30	26	-13.3%	1.7%
Kazakhstan	198	233	322	349	334	326	332	302	-9.0%	2.6%
Kyrgyzstan	14	27	36	38	32	41	36	33	-8.3%	2.0%
Tajikistan	6	11	22	22	21	24	25	24	-4.0%	8.1%
Turkmenistan	117	126	151	149	150	151	155	145	-6.5%	1.4%
Uzbekistan	114	94	88	87	86	93	95	89	-6.3%	-0.5%

(*) Data source: IEA (2021) *Monthly Oil Data Services*. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	6,149	7,556	8,691	8,496	8,555	8,519	8,561	7,863	-8.2%	0.4%
Bahrain	63	62	63	62	65	68	68	58	-14.7%	-0.7%
Iran	1,723	1,848	2,002	1,845	1,895	1,984	1,977	1,779	-10.0%	-0.4%
Iraq	521	658	802	845	826	878	864	803	-7.1%	2.0%
Israel	233	251	217	221	238	232	236	213	-9.7%	-1.6%
Jordan	113	102	134	110	124	111	112	97	-13.4%	-0.5%
Kuwait	327	450	445	437	435	434	444	416	-6.3%	-0.8%
Lebanon	97	120	162	169	179	168	164	139	-15.2%	1.5%
Oman	75	127	185	187	185	231	231	209	-9.5%	5.1%
Qatar	89	172	227	222	248	267	272	231	-15.1%	3.0%
Saudi Arabia	1,941	2,674	3,415	3,301	3,205	3,065	3,084	2,967	-3.8%	1.0%
Syria	324	307	126	138	153	145	139	133	-4.3%	-8.0%
United Arab Emirates	504	637	838	895	943	880	913	765	-16.2%	1.8%
Yemen	139	148	75	64	59	56	57	53	-7.0%	-9.8%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	2,913	3,592	4,183	4,140	4,158	4,331	4,244	3,834	-9.7%	0.7%
Algeria	271	351	447	430	425	437	446	409	-8.3%	1.5%
Angola	42	106	154	148	133	132	131	123	-6.1%	1.5%
Benin	19	35	36	45	45	51	53	49	-7.5%	3.4%
Cameroon	22	34	39	38	35	35	35	32	-8.6%	-0.6%
Congo	6	12	15	13	12	12	12	11	-8.3%	-0.9%
Côte d'Ivoire	24	24	44	50	50	52	53	49	-7.5%	7.4%
Dem. Rep. Congo	12	16	21	16	18	17	17	15	-11.8%	-0.6%
Egypt	616	763	858	829	773	760	725	637	-12.1%	-1.8%
Ethiopia	33	44	69	81	87	92	96	84	-12.5%	6.7%
Gabon	15	19	22	23	14	15	15	13	-13.3%	-3.7%
Ghana	48	71	85	86	86	92	94	86	-8.5%	1.9%
Kenya	62	84	104	114	117	116	119	101	-15.1%	1.9%
Libya	265	304	228	208	217	227	236	228	-3.4%	-2.8%
Morocco	192	257	274	277	293	288	291	259	-11.0%	0.1%
Mozambique	12	16	24	24	26	30	30	28	-6.7%	5.8%
Nigeria	301	293	415	427	431	541	500	488	-2.4%	5.2%
Senegal	36	38	47	48	46	47	48	44	-8.3%	1.5%
South Africa	496	587	640	607	643	659	647	551	-14.8%	-0.6%
South Sudan	0	0	14	13	12	10	10	9	-10.0%	
Sudan	75	112	119	137	137	136	134	123	-8.2%	0.9%
Tanzania	30	33	59	55	55	55	57	52	-8.8%	4.7%
Tunisia	91	88	102	98	104	104	104	91	-12.5%	0.3%
Zambia	14	17	28	28	30	29	28	26	-7.1%	4.3%
Zimbabwe	14	14	27	25	25	32	27	24	-11.1%	5.5%
Others Africa	217	274	312	320	344	362	336	302	-10.1%	1.0%

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Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	24,289	27,518	32,197	32,987	34,173	34,747	35,213	33,431	-5.1%	2.0%
Australia	962	1,045	1,123	1,117	1,170	1,186	1,175	1,020	-13.2%	-0.2%
Bangladesh	80	80	111	111	124	145	150	140	-6.7%	5.8%
Brunei	14	16	17	15	15	17	17	16	-5.9%	0.0%
China	6,766	9,031	11,639	12,013	12,574	13,002	13,680	13,933	1.8%	4.4%
Hong Kong	285	415	370	384	433	438	411	273	-33.6%	-4.1%
India	2,639	3,361	4,280	4,510	4,753	4,942	4,988	4,536	-9.1%	3.0%
Indonesia	1,318	1,406	1,683	1,594	1,703	1,857	1,826	1,596	-12.6%	1.3%
Japan	5,298	4,402	4,163	4,030	3,932	3,786	3,652	3,284	-10.1%	-2.9%
Malaysia	509	586	688	708	731	712	754	652	-13.5%	1.1%
Myanmar	42	24	74	89	141	144	148	141	-4.7%	19.4%
Nepal	16	22	27	44	54	60	61	55	-9.8%	9.6%
New Zealand	153	153	161	168	177	180	181	152	-16.0%	-0.1%
North Korea	18	17	18	20	18	18	18	19	5.6%	1.1%
Pakistan	335	400	526	576	582	495	457	437	-4.4%	0.9%
Philippines	312	314	401	430	461	467	482	387	-19.7%	2.1%
Singapore	861	1,162	1,294	1,349	1,408	1,404	1,370	1,295	-5.5%	1.1%
South Korea	2,191	2,269	2,473	2,605	2,630	2,567	2,546	2,413	-5.2%	0.6%
Sri Lanka	96	88	110	126	136	127	128	114	-10.9%	2.6%
Taiwan	998	1,034	1,043	1,048	1,035	1,038	987	948	-4.0%	-0.9%
Thailand	1,008	1,118	1,363	1,392	1,418	1,457	1,462	1,350	-7.7%	1.9%
Vietnam	263	395	415	445	459	477	490	455	-7.1%	1.4%
Others Asia - Pacific	125	180	218	213	219	228	230	215	-6.5%	1.8%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	30,802	30,301	31,269	31,293	31,490	31,955	31,878	28,156	-11.7%	-0.7%
Argentina	481	656	682	677	666	648	625	535	-14.4%	-2.0%
Bolivia	46	60	81	83	88	90	90	79	-12.2%	2.8%
Brazil	2,173	2,774	3,191	3,004	3,043	2,976	3,078	2,928	-4.9%	0.5%
Canada	2,316	2,364	2,440	2,466	2,464	2,525	2,370	2,099	-11.4%	-1.2%
Chile	272	322	331	352	357	363	369	338	-8.4%	0.5%
Colombia	252	271	341	375	349	352	360	311	-13.6%	1.4%
Costa Rica	44	50	53	57	59	60	60	53	-11.7%	0.6%
Cuba	178	182	183	168	168	167	171	165	-3.5%	-1.0%
Curacao	79	73	66	60	54	49	59	54	-8.5%	-3.0%
Dominican Republic	117	117	124	135	126	136	139	125	-10.1%	0.7%
Ecuador	183	235	268	256	253	273	273	239	-12.5%	0.2%
El Salvador	45	45	50	50	46	51	51	45	-11.8%	0.0%
Guatemala	72	70	89	92	93	100	102	92	-9.8%	2.8%
Haiti	11	16	22	23	23	23	22	20	-9.1%	2.3%
Honduras	41	46	60	57	54	57	57	51	-10.5%	1.0%
Jamaica	70	51	53	55	52	61	61	55	-9.8%	0.8%
Mexico	2,069	2,094	2,006	2,053	2,019	2,014	2,052	1,679	-18.2%	-2.2%
Nicaragua	27	29	34	36	36	34	34	32	-5.9%	1.0%
Panama	91	122	144	151	164	139	141	118	-16.3%	-0.3%
Paraguay	25	36	47	53	60	63	63	59	-6.3%	5.1%
Peru	156	200	235	246	260	265	269	232	-13.8%	1.5%
Trinidad and Tobago	44	43	46	47	44	37	37	32	-13.5%	-2.9%
United States	21,168	19,476	19,840	19,999	20,273	20,822	20,863	18,443	-11.6%	-0.5%
Uruguay	42	51	52	51	49	52	52	47	-9.6%	-0.8%
Venezuela	699	788	710	629	574	484	364	220	-39.6%	-12.0%
Others Americas	101	130	121	118	116	114	116	105	-9.5%	-2.1%

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Areas and Aggregates^(*)

(barrels)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	10.21	9.30	8.55	8.64	8.83	8.75	8.70	7.62
Russia and Central Asia	5.18	5.35	6.50	6.28	6.52	6.52	6.65	6.35
Middle East	12.00	13.00	13.46	12.93	12.81	12.54	12.40	11.21
Africa	1.29	1.40	1.45	1.40	1.37	1.39	1.33	1.17
Asia - Pacific	2.43	2.61	2.91	2.95	3.03	3.06	3.07	2.89
Americas	12.78	11.92	11.72	11.62	11.59	11.66	11.54	10.12
- North America	26.08	23.20	22.80	22.82	22.94	23.41	23.17	20.40
- Central South America	4.85	5.28	5.31	5.17	5.07	4.94	4.92	4.29
World	4.74	4.66	4.76	4.74	4.78	4.78	4.75	4.29
European Union	11.18	10.14	9.29	9.36	9.58	9.51	9.45	8.24
MENA	8.09	8.95	9.21	8.82	8.69	8.52	8.40	7.56
OECD	15.39	13.86	13.30	13.34	13.44	13.46	13.32	11.71
NON OECD	2.34	2.65	2.95	2.93	2.97	2.98	2.99	2.78
OPEC	4.97	5.18	5.13	4.87	4.77	4.78	4.60	4.01
NON OPEC	4.73	4.63	4.73	4.73	4.78	4.78	4.76	4.31

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

(barrels)

	2005	2010	2015	2016	2017	2018	2019	2020
Saudi Arabia	29.75	35.59	39.30	37.14	35.34	33.19	32.85	31.11
United States	26.06	22.96	22.56	22.58	22.74	23.24	23.18	20.43
Canada	26.25	25.41	24.96	24.97	24.64	24.91	23.05	20.18
South Korea	16.42	16.72	17.76	18.65	18.79	18.31	18.14	17.18
Japan	15.07	12.50	11.87	11.51	11.26	10.86	10.51	9.48
Germany	11.74	11.14	10.57	10.58	10.82	10.24	10.32	9.36
Russia	6.94	7.19	8.76	8.32	8.78	8.76	8.95	8.64
Brazil	4.26	5.17	5.70	5.32	5.34	5.19	5.32	5.03
China	1.86	2.41	3.02	3.10	3.23	3.32	3.48	3.53
India	0.84	0.99	1.19	1.24	1.30	1.33	1.33	1.20

^(*) Data source: Eni's calculations on IEA (2021) *Monthly Oil Data Services* and IHS Global Insight data. All rights reserved.

Countries^(*)

(barrels)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	10.21	9.30	8.55	8.64	8.83	8.75	8.70	7.62
Albania	3.43	3.25	3.29	3.55	3.81	3.43	3.57	3.19
Austria	13.13	12.07	10.85	10.93	10.88	11.04	11.17	9.56
Belarus	5.69	5.85	5.37	5.29	5.29	5.83	5.83	5.52
Belgium	22.84	21.79	20.14	20.32	20.39	21.71	21.03	18.55
Bosnia Herzegovina	2.23	3.35	3.30	3.77	3.81	3.84	3.87	3.56
Bulgaria	4.70	4.13	4.82	4.90	5.04	5.18	5.32	4.83
Croatia	7.84	6.58	5.95	5.90	6.37	6.32	6.36	5.69
Cyprus	28.38	25.40	20.68	22.37	22.63	22.38	22.09	19.36
Czech Republic	7.58	7.00	6.75	6.19	7.34	7.43	7.48	6.54
Denmark	12.32	10.97	9.88	10.10	10.12	10.22	10.50	8.70
Estonia	7.00	7.40	8.05	8.04	8.30	8.28	7.98	7.98
Finland	15.34	14.56	13.78	13.94	13.78	13.95	13.46	13.77
France	11.88	10.55	9.89	9.63	9.77	9.48	9.47	8.01
Germany	11.74	11.14	10.57	10.58	10.82	10.24	10.32	9.36
Greece	13.79	12.40	10.10	10.18	10.46	10.41	10.91	8.96
Hungary	5.61	5.48	5.79	5.84	6.30	6.73	6.78	6.46
Iceland	21.04	17.09	18.79	20.88	22.92	24.93	19.38	14.97
Ireland	17.45	13.38	11.45	11.81	11.75	12.04	11.89	10.05
Italy	11.15	9.50	7.68	7.44	7.48	7.66	7.26	6.16
Kosovo	2.14	2.26	2.84	2.88	3.07	3.06	3.05	2.83
Latvia	5.83	6.37	6.76	7.03	7.11	6.62	7.27	6.39
Lithuania	6.44	6.54	7.10	7.83	8.21	8.86	8.86	8.58
Luxembourg	51.82	43.12	36.07	35.29	36.38	38.06	37.94	30.32
Malta	28.10	41.43	35.70	36.47	40.44	39.90	39.75	35.93
Moldova	1.42	1.74	1.85	1.95	2.06	2.16	2.27	1.96
Montenegro	3.57	4.12	3.52	4.11	4.69	4.69	4.69	4.10
Netherlands	23.33	21.55	19.85	20.14	20.29	19.92	19.19	19.02
North Macedonia	3.23	3.13	3.51	3.86	3.68	3.68	3.68	3.50
Norway	17.49	17.11	15.65	14.74	14.82	15.18	14.05	12.12
Poland	4.48	5.41	5.19	5.59	6.33	6.55	6.69	6.37
Portugal	11.71	9.44	8.34	8.38	8.59	8.22	8.92	7.23
Romania	3.82	3.14	3.55	3.76	4.03	4.02	4.30	4.29
Serbia	4.07	4.05	3.65	3.98	4.00	3.97	4.10	3.75
Slovakia	5.27	5.67	5.30	5.50	6.03	6.16	5.69	5.42
Slovenia	9.88	9.82	8.64	9.15	9.49	10.01	9.48	8.25
Spain	13.33	11.21	9.75	10.10	10.15	10.41	10.37	8.50
Sweden	14.66	13.33	11.29	11.76	11.87	10.69	10.76	8.42
Switzerland	13.19	12.20	9.99	9.93	9.71	9.50	9.69	8.06
Turkey	3.54	3.41	4.09	4.31	4.46	4.25	4.33	3.99
Ukraine	2.39	2.34	1.79	2.00	1.94	2.01	2.04	1.91
United Kingdom	11.01	9.34	8.65	8.79	8.89	8.74	8.48	6.60
	2005	2010	2015	2016	2017	2018	2019	2020
Russia and Central Asia	5.18	5.35	6.50	6.28	6.52	6.52	6.65	6.35
Russia	6.94	7.19	8.76	8.32	8.78	8.76	8.95	8.64
Armenia	1.10	1.14	0.87	0.87	0.99	0.99	0.99	0.86
Azerbaijan	4.45	2.99	3.64	3.60	3.78	3.78	3.78	3.35
Georgia	1.47	1.96	2.36	2.91	2.82	2.64	2.74	2.38
Kazakhstan	4.69	5.23	6.69	7.14	6.74	6.50	6.53	5.87
Kyrgyzstan	1.01	1.82	2.21	2.28	1.89	2.37	2.05	1.85
Tajikistan	0.32	0.53	0.95	0.93	0.86	0.96	0.98	0.92
Turkmenistan	8.98	9.04	9.90	9.60	9.51	9.42	9.52	8.78
Uzbekistan	1.57	1.20	1.04	1.01	0.98	1.05	1.05	0.97

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Countries^(*)

(barrels)

	2005	2010	2015	2016	2017	2018	2019	2020
Middle East	12.00	13.00	13.46	12.93	12.81	12.54	12.40	11.21
Bahrain	25.86	18.24	16.76	15.87	15.88	15.81	15.12	12.44
Iran	9.01	9.14	9.31	8.46	8.57	8.85	8.70	7.73
Iraq	7.06	8.08	8.23	8.42	8.03	8.34	8.02	7.29
Israel	13.02	12.47	9.93	9.95	10.54	10.10	10.11	8.98
Jordan	7.16	5.56	5.12	4.10	4.50	3.93	3.87	3.29
Kuwait	52.57	54.90	42.35	40.31	39.14	38.29	38.52	35.55
Lebanon	7.53	8.84	9.05	9.19	9.58	8.94	8.73	7.43
Oman	10.90	15.24	15.82	15.24	14.47	17.46	16.95	15.78
Qatar	37.54	33.82	32.29	30.53	33.22	35.03	35.06	30.27
Saudi Arabia	29.75	35.59	39.30	37.14	35.34	33.19	32.85	31.11
Syria	6.44	5.25	2.56	2.88	3.27	3.12	2.97	2.77
United Arab Emirates	40.09	27.19	33.02	34.90	36.28	33.35	34.11	28.23
Yemen	2.52	2.33	1.03	0.86	0.77	0.72	0.71	0.65

	2005	2010	2015	2016	2017	2018	2019	2020
Africa	1.29	1.40	1.45	1.40	1.37	1.39	1.33	1.17
Algeria	2.98	3.56	4.11	3.87	3.75	3.78	3.78	3.40
Angola	0.79	1.66	2.02	1.87	1.63	1.56	1.50	1.37
Benin	0.87	1.39	1.24	1.51	1.47	1.62	1.64	1.48
Cameroon	0.45	0.61	0.61	0.58	0.52	0.51	0.49	0.44
Congo	0.60	1.02	1.13	0.95	0.86	0.84	0.81	0.73
Côte d'Ivoire	0.48	0.43	0.69	0.77	0.75	0.76	0.75	0.68
Dem. Rep. Congo	0.08	0.09	0.10	0.07	0.08	0.07	0.07	0.06
Egypt	2.98	3.37	3.39	3.20	2.93	2.82	2.64	2.27
Ethiopia	0.16	0.18	0.25	0.29	0.31	0.32	0.32	0.27
Gabon	3.97	4.46	4.59	4.69	2.79	2.92	2.86	2.43
Ghana	0.80	1.05	1.11	1.10	1.08	1.13	1.13	1.01
Kenya	0.62	0.73	0.79	0.85	0.85	0.82	0.83	0.69
Libya	16.68	17.90	12.97	11.69	12.04	12.41	12.71	12.11
Morocco	2.30	2.90	2.89	2.88	3.01	2.92	2.91	2.56
Mozambique	0.21	0.25	0.32	0.31	0.33	0.37	0.36	0.33
Nigeria	0.79	0.67	0.84	0.84	0.82	1.01	0.91	0.86
Senegal	1.18	1.09	1.18	1.17	1.09	1.08	1.08	0.96
South Africa	3.78	4.18	4.22	3.94	4.12	4.16	4.03	3.39
South Sudan			0.48	0.44	0.40	0.33	0.33	0.29
Sudan	0.71	0.94	1.12	1.26	1.23	1.20	1.15	1.04
Tanzania	0.28	0.27	0.42	0.38	0.37	0.36	0.36	0.32
Tunisia	3.29	3.02	3.33	3.16	3.32	3.28	3.25	2.81
Zambia	0.43	0.46	0.64	0.62	0.65	0.61	0.57	0.52
Zimbabwe	0.42	0.40	0.71	0.65	0.64	0.81	0.67	0.59

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Countries^(*)

(barrels)

	2005	2010	2015	2016	2017	2018	2019	2020
Asia - Pacific	2.43	2.61	2.91	2.95	3.03	3.06	3.07	2.89
Australia	17.40	17.22	17.13	16.80	17.37	17.39	17.02	14.60
Bangladesh	0.21	0.20	0.26	0.26	0.28	0.33	0.34	0.31
Brunei	14.00	15.03	14.95	13.04	12.90	14.47	14.32	13.35
China	1.86	2.41	3.02	3.10	3.23	3.32	3.48	3.53
Hong Kong	15.37	21.74	18.79	19.35	21.63	21.69	20.17	13.29
India	0.84	0.99	1.19	1.24	1.30	1.33	1.33	1.20
Indonesia	2.13	2.12	2.38	2.22	2.35	2.53	2.46	2.13
Japan	15.07	12.50	11.87	11.51	11.26	10.86	10.51	9.48
Malaysia	7.23	7.58	8.30	8.42	8.58	8.24	8.61	7.35
Myanmar	0.31	0.17	0.51	0.61	0.96	0.98	1.00	0.95
Nepal	0.23	0.30	0.36	0.59	0.71	0.78	0.78	0.69
New Zealand	13.50	12.78	12.73	13.16	13.74	13.85	13.81	11.51
North Korea	0.27	0.25	0.26	0.29	0.26	0.26	0.26	0.27
Pakistan	0.76	0.81	0.96	1.03	1.02	0.85	0.77	0.72
Philippines	1.32	1.22	1.43	1.51	1.60	1.60	1.63	1.29
Singapore	73.67	82.66	84.46	87.09	90.03	89.01	86.15	80.79
South Korea	16.42	16.72	17.76	18.65	18.79	18.31	18.14	17.18
Sri Lanka	1.79	1.59	1.92	2.19	2.35	2.18	2.19	1.94
Taiwan	16.12	16.34	16.21	16.24	15.99	15.99	15.16	14.53
Thailand	5.62	6.07	7.24	7.37	7.48	7.66	7.66	7.06
Vietnam	1.15	1.64	1.63	1.73	1.77	1.82	1.85	1.71

	2005	2010	2015	2016	2017	2018	2019	2020
Americas	12.78	11.92	11.72	11.62	11.59	11.66	11.54	10.12
Argentina	4.51	5.85	5.78	5.68	5.53	5.33	5.09	4.32
Bolivia	1.82	2.18	2.72	2.75	2.87	2.89	2.85	2.47
Brazil	4.26	5.17	5.70	5.32	5.34	5.19	5.32	5.03
Canada	26.25	25.41	24.96	24.97	24.64	24.91	23.05	20.18
Chile	6.13	6.89	6.72	7.06	7.05	7.07	7.11	6.45
Colombia	2.16	2.19	2.62	2.84	2.60	2.59	2.61	2.23
Costa Rica	3.75	3.99	3.99	4.25	4.35	4.38	4.34	3.80
Cuba	5.77	5.92	5.90	5.41	5.41	5.38	5.51	5.32
Curacao	178.08	147.43	122.43	110.10	98.23	88.48	105.83	96.21
Dominican Republic	4.69	4.40	4.40	4.74	4.37	4.67	4.72	4.21
Ecuador	4.83	5.71	6.03	5.67	5.50	5.83	5.74	4.94
El Salvador	2.71	2.66	2.89	2.87	2.63	2.90	2.88	2.53
Guatemala	2.01	1.75	2.00	2.02	2.01	2.12	2.12	1.87
Haiti	0.44	0.59	0.75	0.77	0.76	0.75	0.71	0.64
Honduras	2.01	2.02	2.40	2.24	2.09	2.17	2.13	1.88
Jamaica	9.32	6.62	6.69	6.91	6.50	7.59	7.55	6.78
Mexico	7.12	6.70	6.01	6.08	5.91	5.83	5.87	4.75
Nicaragua	1.81	1.82	1.99	2.08	2.06	1.92	1.90	1.76
Panama	9.97	12.22	13.24	13.65	14.58	12.15	12.12	9.98
Paraguay	1.57	2.10	2.56	2.85	3.19	3.31	3.26	3.02
Peru	2.04	2.51	2.81	2.90	3.02	3.02	3.02	2.57
Trinidad and Tobago	12.39	11.82	12.25	12.45	11.60	9.72	9.68	8.35
United States	26.06	22.96	22.56	22.58	22.74	23.24	23.18	20.43
Uruguay	4.61	5.54	5.56	5.44	5.20	5.50	5.48	4.94
Venezuela	9.65	10.11	8.61	7.69	7.13	6.12	4.66	2.82

^(*) Data source: Eni's calculations on IEA (2021) *Monthly Oil Data Services* and IHS Global Insight data. All rights reserved.

Areas and Aggregates^(*)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	0.34	0.28	0.25	0.25	0.24	0.24	0.23	0.28
Russia and Central Asia	3.53	3.92	3.30	3.45	3.34	3.39	3.34	3.21
Middle East	4.16	3.36	3.43	3.71	3.64	3.73	3.54	3.54
Africa	3.40	2.85	1.99	1.88	1.97	1.91	1.99	1.83
Asia - Pacific	0.33	0.30	0.26	0.24	0.23	0.22	0.22	0.23
Americas	0.69	0.71	0.89	0.87	0.88	0.93	0.97	1.06
- North America	0.43	0.51	0.79	0.76	0.80	0.90	0.98	1.06
- Central South America	1.49	1.22	1.16	1.13	1.08	1.01	0.95	1.03
World	0.97	0.94	0.96	0.96	0.94	0.96	0.96	0.98
European Union	0.18	0.15	0.12	0.12	0.12	0.12	0.12	0.13
MENA	3.95	3.17	3.07	3.32	3.30	3.38	3.24	3.18
OECD	0.40	0.40	0.52	0.50	0.51	0.56	0.60	0.66
NON OECD	1.82	1.56	1.39	1.40	1.35	1.33	1.29	1.25
OPEC	6.99	5.84	5.68	6.03	5.99	5.85	5.67	5.62
NON OPEC	0.60	0.61	0.63	0.61	0.61	0.63	0.65	0.68

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

	2005	2010	2015	2016	2017	2018	2019	2020
Kuwait	7.79	5.55	6.96	7.31	6.93	7.03	6.73	6.56
Iraq	3.52	3.69	5.08	5.33	5.52	5.31	5.57	5.17
United Arab Emirates	5.94	4.44	4.49	4.30	3.97	4.32	4.39	4.80
Saudi Arabia	5.63	3.73	3.53	3.74	3.71	4.03	3.84	3.76
Russia	3.53	3.67	3.19	3.42	3.24	3.29	3.24	3.07
Canada	1.35	1.46	1.86	1.87	2.03	2.14	2.34	2.53
Iran	2.44	2.28	1.79	2.40	2.51	2.33	1.72	1.68
Brazil	0.79	0.78	0.80	0.87	0.91	0.91	0.94	1.04
United States	0.33	0.40	0.66	0.63	0.66	0.75	0.82	0.90
China	0.53	0.45	0.37	0.33	0.31	0.30	0.29	0.28

^(*) Data source: Eni's calculations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	0.34	0.28	0.25	0.25	0.24	0.24	0.23	0.28
Albania	0.28	0.50	0.88	0.68	0.57	0.59	0.54	0.56
Austria	0.06	0.08	0.07	0.06	0.05	0.05	0.05	0.05
Belarus	0.24	0.23	0.24	0.24	0.23	0.23	0.23	0.24
Bulgaria	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Croatia	0.22	0.23	0.20	0.22	0.21	0.21	0.21	0.20
Czech Republic	0.03	0.02	0.04	0.03	0.03	0.03	0.03	0.04
Denmark	2.12	1.53	1.03	0.90	0.88	0.73	0.63	0.54
Estonia	0.19	0.37	0.55	0.48	0.60	0.73	0.79	0.79
France	0.01	0.02	0.02	0.02	0.02	0.01	0.02	0.03
Germany	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
Greece	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01
Hungary	0.21	0.17	0.12	0.13	0.13	0.13	0.13	0.12
Italy	0.07	0.06	0.10	0.08	0.08	0.09	0.07	0.11
Netherlands	0.04	0.03	0.04	0.03	0.03	0.02	0.02	0.03
Norway	13.34	9.34	8.74	9.41	9.16	8.33	8.39	11.12
Poland	0.05	0.04	0.05	0.04	0.04	0.05	0.04	0.05
Romania	0.50	0.51	0.42	0.38	0.35	0.34	0.32	0.31
Serbia	0.16	0.22	0.31	0.26	0.26	0.24	0.22	0.21
Slovakia	0.05	0.05	0.06	0.05	0.07	0.03	0.04	0.05
Spain	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Turkey	0.07	0.07	0.05	0.05	0.05	0.06	0.06	0.07
Ukraine	0.32	0.27	0.25	0.20	0.21	0.21	0.22	0.24
United Kingdom	1.01	0.84	0.62	0.64	0.62	0.69	0.73	0.86

	2005	2010	2015	2016	2017	2018	2019	2020
Russia and Central Asia	3.53	3.92	3.30	3.45	3.34	3.39	3.34	3.21
Russia	3.53	3.67	3.19	3.42	3.24	3.29	3.24	3.07
Azerbaijan	4.32	14.08	8.84	8.64	7.69	7.70	7.36	7.52
Georgia	0.06	0.05	0.04	0.00	0.00	0.00	0.00	0.00
Kazakhstan	6.53	7.27	5.26	4.77	5.51	5.91	5.82	6.08
Kyrgyzstan	0.14	0.04	0.03	0.03	0.03	0.02	0.03	0.03
Turkmenistan	1.79	1.67	1.77	1.66	1.55	1.45	1.44	1.58
Uzbekistan	0.95	0.80	0.59	0.55	0.53	0.46	0.42	0.43

	2005	2010	2015	2016	2017	2018	2019	2020
Middle East	4.16	3.36	3.43	3.71	3.64	3.73	3.54	3.54
Bahrain	3.14	3.10	3.38	3.44	3.23	3.06	3.06	3.12
Iran	2.44	2.28	1.79	2.40	2.51	2.33	1.72	1.68
Iraq	3.52	3.69	5.08	5.33	5.52	5.31	5.57	5.17
Kuwait	7.79	5.55	6.96	7.31	6.93	7.03	6.73	6.56
Oman	10.36	6.86	5.34	5.41	5.29	4.27	4.24	4.58
Qatar	13.66	9.70	8.66	8.88	7.79	7.37	7.21	8.14
Saudi Arabia	5.63	3.73	3.53	3.74	3.71	4.03	3.84	3.76
Syria	1.38	1.25	0.21	0.18	0.16	0.17	0.17	0.32
United Arab Emirates	5.94	4.44	4.49	4.30	3.97	4.32	4.39	4.80
Yemen	3.03	2.07	0.43	0.25	0.75	1.25	1.23	1.26

^(*) Data source: Eni's calculations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

	2005	2010	2015	2016	2017	2018	2019	2020
Africa	3.40	2.85	1.99	1.88	1.97	1.91	1.99	1.83
Algeria	7.13	4.90	3.56	3.73	3.60	3.46	3.34	3.32
Angola	29.64	16.98	11.66	11.78	12.79	11.69	11.06	10.78
Cameroon	4.05	1.88	2.38	2.42	2.14	1.91	1.83	2.28
Congo	41.17	26.08	15.60	16.69	22.17	27.58	28.25	27.73
Côte d'Ivoire	1.67	1.63	0.59	0.64	0.80	0.79	0.91	0.57
Dem. Rep. Congo	2.08	1.56	1.05	1.31	1.11	1.12	1.06	1.40
Egypt	1.05	0.92	0.81	0.80	0.83	0.86	0.87	0.94
Gabon	18.00	13.11	10.45	9.87	14.29	12.67	14.13	15.23
Ghana	0.13	0.10	1.25	1.07	1.94	2.07	2.12	2.15
Libya	6.49	5.46	1.92	2.05	4.04	4.53	4.91	1.68
Nigeria	8.46	8.65	5.44	4.53	4.63	3.74	4.25	3.81
South Africa	0.42	0.24	0.17	0.17	0.16	0.14	0.15	0.17
South Sudan			10.57	9.00	10.17	12.80	13.90	18.89
Sudan	4.07	4.15	0.88	0.59	0.49	0.52	0.54	0.50
Tunisia	0.80	0.94	0.54	0.53	0.43	0.41	0.38	0.41

	2005	2010	2015	2016	2017	2018	2019	2020
Asia - Pacific	0.33	0.30	0.26	0.24	0.23	0.22	0.22	0.23
Australia	0.57	0.53	0.33	0.31	0.27	0.29	0.36	0.45
Bangladesh	0.08	0.06	0.04	0.04	0.03	0.02	0.02	0.08
Brunei	14.71	10.56	7.47	8.07	7.53	6.53	7.12	6.88
China	0.53	0.45	0.37	0.33	0.31	0.30	0.29	0.28
India	0.29	0.26	0.20	0.19	0.18	0.17	0.16	0.17
Indonesia	0.82	0.70	0.49	0.54	0.49	0.43	0.42	0.46
Malaysia	1.53	1.22	1.02	1.04	1.00	1.01	0.89	0.93
Myanmar	0.52	0.79	0.15	0.13	0.09	0.08	0.07	0.06
New Zealand	0.16	0.39	0.30	0.24	0.21	0.17	0.17	0.16
Pakistan	0.20	0.17	0.17	0.15	0.15	0.18	0.19	0.23
Philippines	0.07	0.06	0.04	0.03	0.03	0.03	0.03	0.03
South Korea	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Thailand	0.28	0.34	0.33	0.33	0.32	0.30	0.29	0.30
Vietnam	1.41	0.78	0.81	0.69	0.60	0.52	0.46	0.49

	2005	2010	2015	2016	2017	2018	2019	2020
Americas	0.69	0.71	0.89	0.87	0.88	0.93	0.97	1.06
Argentina	1.73	1.09	0.92	0.89	0.86	0.90	0.96	1.14
Bolivia	1.26	0.83	0.93	0.90	0.83	0.79	0.76	0.81
Brazil	0.79	0.78	0.80	0.87	0.91	0.91	0.94	1.04
Canada	1.35	1.46	1.86	1.87	2.03	2.14	2.34	2.53
Chile	0.03	0.04	0.02	0.01	0.02	0.02	0.03	0.03
Colombia	2.10	2.91	2.97	2.42	2.47	2.48	2.48	2.53
Cuba	0.30	0.31	0.29	0.29	0.26	0.25	0.23	0.27
Ecuador	2.92	1.99	2.02	2.14	2.10	1.92	1.94	2.03
Guatemala	0.25	0.17	0.11	0.10	0.09	0.07	0.07	0.09
Mexico	1.82	1.41	1.29	1.20	1.11	1.03	0.94	1.15
Peru	0.74	0.78	0.64	0.54	0.51	0.50	0.52	0.54
Trinidad and Tobago	3.89	3.44	2.37	2.06	2.25	2.35	2.22	2.38
United States	0.33	0.40	0.66	0.63	0.66	0.75	0.82	0.90
Venezuela	4.42	3.52	3.75	3.86	3.72	3.17	2.70	2.62

^(*) Data source: Eni's calculations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Oil - Trade and Prices

Regional Crude Balances

Exports

Imports

Crude Future Price and Open Interests

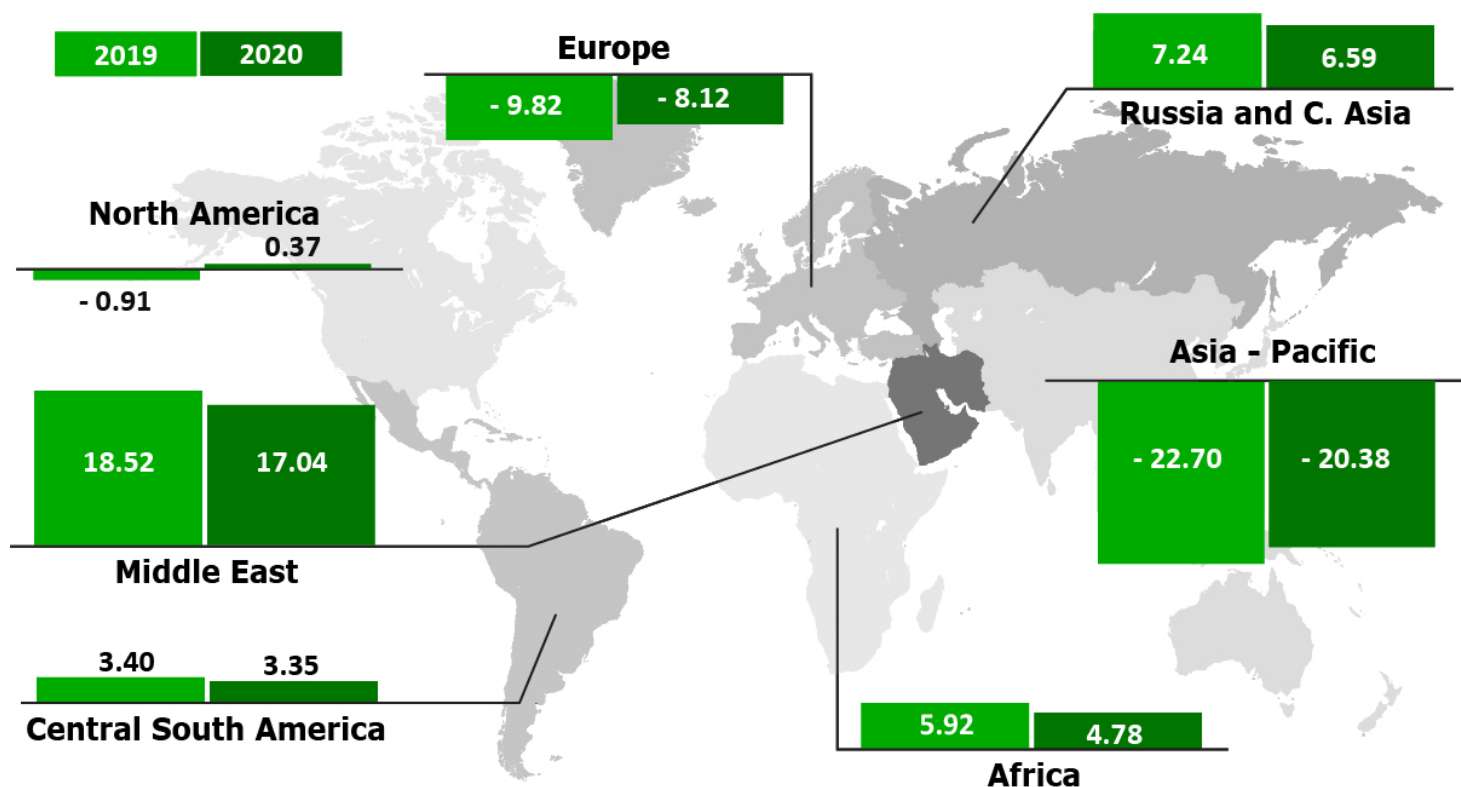
Crude Surplus Deficit by Area^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ (2020-2019)	Δ (2020-2010)
Europe	-9,815	-9,476	-9,684	-9,545	-9,981	-9,791	-9,819	-8,115	1,704	1,361
Russia and Central Asia	6,207	6,976	6,557	6,893	7,036	7,167	7,241	6,589	-652	-387
Middle East	16,779	15,782	19,104	20,364	19,725	20,063	18,520	17,038	-1,482	1,256
Africa	6,579	7,129	5,712	5,177	5,653	5,753	5,921	4,776	-1,145	-2,353
Asia - Pacific	-13,601	-16,181	-19,456	-20,511	-21,602	-22,510	-22,705	-20,375	2,329	-4,195
Americas	-5,986	-4,732	-364	-696	-411	855	2,492	3,716	1,224	8,447
- North America	-9,653	-8,161	-4,280	-4,691	-4,320	-2,698	-910	370	1,280	8,531
- Central South America	3,668	3,429	3,917	3,994	3,909	3,553	3,401	3,346	-56	-84
World	163	-501	1,870	1,682	421	1,536	1,649	3,628	1,978	4,129

Crude Surplus Deficit by Area (2019 and 2020)

(million barrels/day)

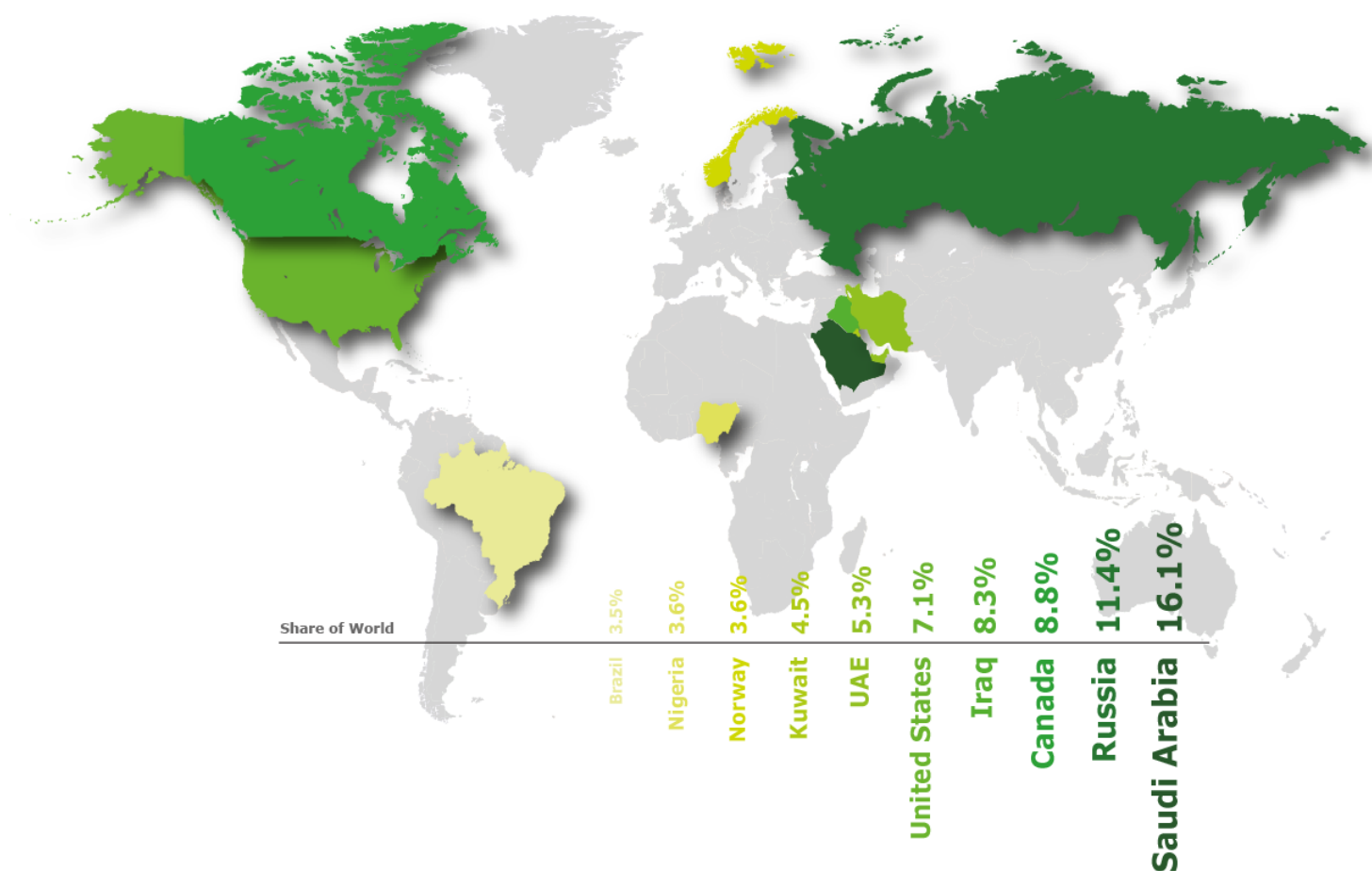


^(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* and Wood MacKenzie data. All rights reserved.

The World Top 10 Exporters^(*)Crude and non conventional oil
(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Saudi Arabia	7,473	5,794	7,393	7,668	6,968	7,372	7,038	6,677	-5.1%	1.4%
Russia	5,100	4,912	4,937	5,105	5,092	5,246	5,398	4,714	-12.7%	-0.4%
Canada	1,578	1,948	3,029	3,104	3,318	3,651	3,778	3,633	-3.8%	6.4%
Iraq	1,400	1,903	3,033	3,814	3,802	3,862	3,961	3,436	-13.3%	6.1%
United States	34	42	465	593	1,158	2,048	2,982	2,950	-1.1%	53.1%
United Arab Emirates	2,153	2,224	2,592	2,415	2,379	2,297	2,415	2,194	-9.1%	-0.1%
Kuwait	1,660	1,380	1,965	2,128	2,027	2,071	2,017	1,865	-7.5%	3.1%
Norway	2,316	1,586	1,223	1,363	1,348	1,243	1,222	1,492	22.1%	-0.6%
Nigeria	2,313	2,369	2,114	1,768	1,777	1,866	1,958	1,471	-24.9%	-4.7%
Brazil	275	632	737	847	1,042	1,078	1,228	1,436	16.9%	8.6%
Rest of the World	19,023	18,541	15,033	15,562	15,682	15,005	13,118	11,497	-12.4%	-4.7%
World	43,324	41,331	42,521	44,367	44,595	45,738	45,115	41,366	-8.3%	0.0%

The World Top 10 (2020)



^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

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

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe										
Albania	0	9	18	16	9	11	12	14	19.1%	4.5%
Belarus	27	0	32	32	32	33	33	24	-26.1%	
Croatia	0	0	0	0	0	0	2	13	413.1%	
Czech Republic	1	0	1	1	0	0	0	0		-100.0%
Denmark	273	154	90	78	82	56	46	22	-52.6%	-17.7%
Germany	14	14	7	2	0	0	2	0	-100.0%	-100.0%
Greece	18	17	2	3	3	4	5	2	-63.0%	-20.0%
Hungary	7	0	2	1	3	8	3	4	28.3%	
Ireland	0	2	0	0	6	0	1	4	371.4%	8.0%
Italy	15	6	14	12	15	10	0	4		-5.5%
Lithuania	3	2	1	1	1	1	1	1	-2.1%	-10.6%
Netherlands	21	10	6	7	8	9	8	8	-2.5%	-2.7%
Norway	2,316	1,586	1,223	1,363	1,348	1,243	1,222	1,492	22.1%	-0.6%
Poland	5	4	5	4	4	6	5	4	-18.5%	-0.6%
Romania	0	2	1	0	1	0	0	0	0.0%	-43.5%
Slovakia	1	0	1	0	1	0	0	0	-100.0%	-100.0%
Sweden	0	0	0	0	16	0	6	1	-82.1%	
Ukraine	2	0	0	0	2	0	0	0		
United Kingdom	978	733	589	616	686	810	824	721	-12.4%	-0.2%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia										
Russia	5,100	4,912	4,937	5,105	5,092	5,246	5,398	4,714	-12.7%	-0.4%
Azerbaijan	286	853	657	650	610	603	576	500	-13.1%	-5.2%
Georgia	1	1	3	0	0	0	0	0		-100.0%
Kazakhstan	1,093	1,386	1,255	1,206	1,385	1,396	1,400	1,412	0.8%	0.2%
Kyrgyzstan	0	0	0	0	0	1	1	1	-2.4%	
Turkmenistan	50	26	69	50	34	21	10	10	3.8%	-9.1%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East										
Iran	2,417	2,269	1,128	2,096	2,107	1,834	646	687	6.4%	-11.3%
Iraq	1,400	1,903	3,033	3,814	3,802	3,862	3,961	3,436	-13.3%	6.1%
Kuwait	1,660	1,380	1,965	2,128	2,027	2,071	2,017	1,865	-7.5%	3.1%
Oman	718	745	844	882	806	793	781	763	-2.3%	0.2%
Qatar	697	650	580	576	527	528	523	493	-5.8%	-2.7%
Saudi Arabia	7,473	5,794	7,393	7,668	6,968	7,372	7,038	6,677	-5.1%	1.4%
Syria	208	163	0	0	0	0	0	0		-100.0%
United Arab Emirates	2,153	2,224	2,592	2,415	2,379	2,297	2,415	2,194	-9.1%	-0.1%
Yemen	296	183	9	0	0	0	0	0		-100.0%

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

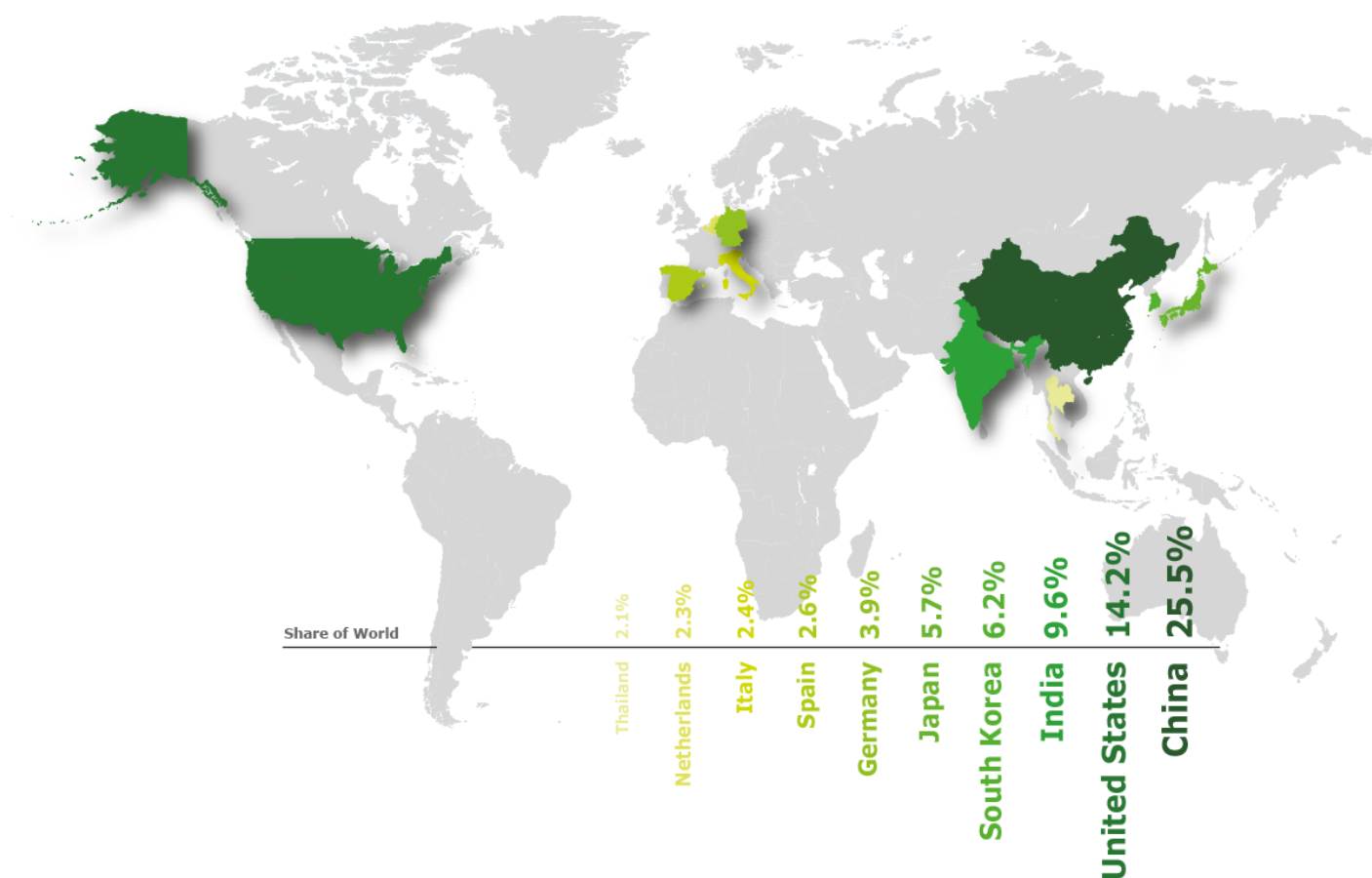
Countries^(*)Crude and non conventional oil
(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa										
Algeria	974	714	523	546	534	469	480	427	-11.0%	-5.0%
Angola	1,202	1,711	1,711	1,675	1,577	1,421	1,319	1,213	-8.0%	-3.4%
Cameroon	82	56	84	83	69	62	63	65	2.8%	1.5%
Chad	174	122	95	103	84	102	113	101	-10.2%	-1.8%
Congo	228	291	220	216	250	294	301	268	-11.0%	-0.8%
Côte d'Ivoire	40	38	27	30	37	30	36	28	-22.8%	-3.1%
Dem. Rep. Congo	25	22	21	20	24	23	22	21	-6.3%	-0.6%
Egypt	41	188	247	227	210	204	160	183	14.4%	-0.2%
Equatorial Guinea	305	236	183	158	127	119	108	112	3.7%	-7.2%
Gabon	253	243	214	211	188	174	210	188	-10.6%	-2.6%
Ghana	0	0	104	85	163	177	203	182	-10.3%	
Libya	1,336	1,345	299	305	788	1,007	1,072	344	-67.9%	-12.7%
Mauritania	0	8	5	6	3	3	2	0	-100.0%	-100.0%
Mozambique	0	1	1	1	1	1	1	0	-100.0%	-100.0%
Nigeria	2,313	2,369	2,114	1,768	1,777	1,866	1,958	1,471	-24.9%	-4.7%
South Sudan			148	137	147	144	168	156	-7.1%	
Sudan	236	387	12	7	0	0	0	0		-100.0%
Tunisia	59	77	38	37	33	28	33	21	-35.8%	-12.2%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific										
Australia	226	311	219	198	178	213	246	251	2.0%	-2.1%
Brunei	198	148	116	105	98	92	107	107	-0.4%	-3.2%
China	162	61	57	59	97	53	16	33	105.0%	-5.8%
Indonesia	433	323	315	344	281	208	72	87	20.5%	-12.3%
Malaysia	382	345	323	334	301	302	228	238	4.5%	-3.6%
Mongolia	1	6	22	22	21	17	18	18	0.4%	12.2%
Myanmar	7	0	2	3	5	5	4	4	0.0%	
New Zealand	12	47	39	30	26	21	22	18	-16.9%	-9.2%
Pakistan	0	0	6	4	8	8	8	7	-2.3%	
Papua New Guinea	47	9	0	0	0	0	0	0		-100.0%
Philippines	15	19	16	15	13	13	14	13	-7.7%	-3.5%
Singapore	3	9	15	15	16	15	14	13	-6.4%	3.2%
Thailand	66	29	1	31	33	31	26	25	-3.7%	-1.8%
Vietnam	359	161	184	137	136	69	69	47	-32.1%	-11.6%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas										
Argentina	151	92	37	45	29	59	66	98	48.5%	0.6%
Barbados	1	1	1	1	1	1	1	1	74.6%	1.8%
Bolivia	4	0	0	0	0	0	0	0		
Brazil	275	632	737	847	1,042	1,078	1,228	1,436	16.9%	8.6%
Canada	1,578	1,948	3,029	3,104	3,318	3,651	3,778	3,633	-3.8%	6.4%
Colombia	229	501	790	626	630	597	563	581	3.2%	1.5%
Ecuador	345	336	412	389	365	355	375	339	-9.8%	0.1%
Guatemala	16	10	9	7	8	6	5	8	48.7%	-2.4%
Mexico	2,002	1,446	1,235	1,265	1,252	1,271	1,189	1,190	0.2%	-1.9%
Peru	13	19	8	2	2	7	6	4	-24.5%	-13.8%
Trinidad and Tobago	72	45	31	28	27	22	58	56	-3.9%	2.1%
United States	34	42	465	593	1,158	2,048	2,982	2,950	-1.1%	53.1%
Venezuela	2,192	1,953	1,950	1,823	1,581	1,261	838	361	-57.0%	-15.5%

(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
China	2,543	4,767	6,728	7,641	8,412	9,263	10,143	10,883	7.3%	8.6%
United States	10,921	9,862	7,363	7,872	7,973	7,770	6,803	6,064	-10.9%	-4.7%
India	2,026	3,335	4,135	4,361	4,493	4,617	4,576	4,106	-10.3%	2.1%
South Korea	2,309	2,355	2,755	2,905	3,012	3,006	2,896	2,642	-8.8%	1.2%
Japan	4,093	3,436	3,203	3,137	3,158	2,995	2,953	2,416	-18.2%	-3.5%
Germany	2,246	1,865	1,825	1,825	1,815	1,704	1,721	1,660	-3.5%	-1.2%
Spain	1,191	1,049	1,295	1,283	1,319	1,352	1,326	1,097	-17.3%	0.4%
Italy	1,790	1,570	1,251	1,218	1,327	1,241	1,263	1,007	-20.2%	-4.3%
Netherlands	1,046	1,023	1,046	1,083	1,081	1,086	1,142	991	-13.2%	-0.3%
Thailand	828	849	891	878	927	980	873	879	0.7%	0.4%
Rest of the World	14,598	12,838	12,835	12,835	13,195	12,993	12,815	10,975	-14.4%	-1.6%
World	43,591	42,949	43,326	45,038	46,712	47,006	46,511	42,722	-8.1%	-0.1%

The World Top 10 (2020)

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

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

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe										
Austria	157	135	162	147	144	167	172	149	-13.4%	1.0%
Belarus	386	295	458	363	363	365	360	321	-10.9%	0.8%
Belgium	639	668	642	637	682	660	690	547	-20.7%	-2.0%
Bosnia-Herzegovina	3	23	19	19	17	14	0	0	-100.0%	-100.0%
Bulgaria	121	109	122	124	138	118	140	117	-16.9%	0.7%
Croatia	81	72	47	51	57	60	41	39	-3.1%	-5.8%
Czech Republic	155	155	143	107	156	149	155	123	-20.2%	-2.2%
Denmark	54	54	83	77	96	94	101	93	-7.3%	5.6%
Finland	191	215	203	221	237	236	236	209	-11.6%	-0.3%
France	1,685	1,283	1,135	1,085	1,138	1,051	967	662	-31.6%	-6.4%
Germany	2,246	1,865	1,825	1,825	1,815	1,704	1,721	1,660	-3.5%	-1.2%
Greece	374	403	442	469	473	487	457	455	-0.3%	1.2%
Hungary	129	115	124	120	119	134	122	122	-0.1%	0.6%
Ireland	65	61	73	64	64	60	52	62	19.6%	0.2%
Italy	1,790	1,570	1,251	1,218	1,327	1,241	1,263	1,007	-20.2%	-4.3%
Lithuania	107	122	126	126	126	125	193	157	-18.6%	2.6%
Macedonia	20	17	0	0	0	0	0	0		-100.0%
Netherlands	1,046	1,023	1,046	1,083	1,081	1,086	1,142	991	-13.2%	-0.3%
Norway	16	11	22	11	36	63	61	61	0.1%	18.5%
Poland	358	454	530	491	493	537	532	498	-6.4%	0.9%
Portugal	261	220	282	269	284	252	225	211	-6.2%	-0.4%
Romania	179	120	136	154	159	170	178	144	-19.4%	1.8%
Serbia	62	38	37	45	50	55	48	51	6.3%	2.8%
Slovakia	110	109	118	117	112	109	103	113	10.0%	0.4%
Spain	1,191	1,049	1,295	1,283	1,319	1,352	1,326	1,097	-17.3%	0.4%
Sweden	402	397	402	394	397	398	341	372	9.2%	-0.6%
Switzerland	95	90	56	59	57	60	55	56	2.7%	-4.6%
Turkey	468	339	501	499	515	419	622	587	-5.5%	5.6%
Ukraine	292	155	5	10	18	14	15	23	57.7%	-17.2%
United Kingdom	1,044	953	847	792	885	883	902	708	-21.5%	-2.9%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia										
Russia	49	0	58	0	0	0	0	0		
Azerbaijan	0	0	0	0	1	0	0	0		
Georgia	0	0	3	1	1	0	0	0	-100.0%	-100.0%
Kazakhstan	75	120	1	0	1	0	1	0	-62.6%	-45.6%
Kyrgyzstan	0	0	4	5	6	8	8	8	0.0%	39.5%
Uzbekistan	0	12	16	21	21	24	13	7	-43.8%	-4.7%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East										
Bahrain	80	85	66	58	67	69	70	67	-4.3%	-2.4%
Iran	43	13	0	0	0	0	0	0		-100.0%
Israel	204	221	234	207	234	231	247	247	0.0%	1.1%
Jordan	90	68	68	58	56	47	49	49	0.8%	-3.3%
Syria	0	0	110	122	138	129	117	111	-5.4%	
UAE	0	0	38	52	68	42	53	0	-100.0%	

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Countries(*)

Crude and non conventional oil
(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa										
Algeria	6	6	6	5	5	5	3	0	-100.0%	-100.0%
Cameroon	30	34	28	27	22	20	23	24	6.3%	-3.3%
Côte d'Ivoire	76	59	62	34	48	49	58	45	-22.2%	-2.6%
Egypt	50	73	64	119	120	117	99	182	83.5%	9.5%
Ghana	39	33	6	29	5	4	17	15	-8.0%	-7.5%
Kenya	35	31	0	0	0	0	0	0		-100.0%
Morocco	144	109	56	0	0	0	0	0		-100.0%
Senegal	20	13	22	23	24	20	19	19	-1.2%	3.8%
Sierra Leone	3	3	4	4	4	4	4	0	-100.0%	-100.0%
South Africa	405	385	364	413	347	379	347	285	-18.1%	-3.0%
Sudan	0	0	6	18	14	15	15	15	-1.3%	
Tunisia	23	4	19	19	13	11	3	14	441.9%	13.9%
Zambia	8	13	13	10	10	12	14	12	-14.9%	-0.4%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific										
Australia	379	469	315	330	331	357	325	236	-27.4%	-6.6%
Bangladesh	22	26	22	27	24	22	24	19	-20.2%	-3.1%
China	2,543	4,767	6,728	7,641	8,412	9,263	10,143	10,883	7.3%	8.6%
India	2,026	3,335	4,135	4,361	4,493	4,617	4,576	4,106	-10.3%	2.1%
Indonesia	332	284	384	415	396	316	210	228	8.3%	-2.2%
Japan	4,093	3,436	3,203	3,137	3,158	2,995	2,953	2,416	-18.2%	-3.5%
Malaysia	164	159	171	222	207	189	242	226	-6.4%	3.6%
New Zealand	90	98	102	106	110	99	103	79	-23.4%	-2.2%
North Korea	10	11	11	11	11	11	11	11	2.9%	0.4%
Pakistan	176	136	177	177	211	203	172	103	-40.5%	-2.8%
Papua New Guinea	18	20	13	27	28	26	26	30	14.3%	4.2%
Philippines	215	184	213	215	211	235	171	151	-11.8%	-2.0%
Singapore	1,180	896	976	1,042	1,156	1,129	1,074	753	-29.9%	-1.7%
South Korea	2,309	2,355	2,755	2,905	3,012	3,006	2,896	2,642	-8.8%	1.2%
Sri-Lanka	40	36	34	34	30	35	39	32	-17.5%	-1.3%
Taiwan	1,045	876	841	859	853	880	889	740	-16.8%	-1.7%
Thailand	828	849	891	878	927	980	873	879	0.7%	0.4%
Vietnam	0	0	4	9	24	104	156	214	37.6%	
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas										
Argentina	4	0	16	15	22	10	0	0		
Brazil	343	339	298	155	145	186	172	122	-28.9%	-9.7%
Canada	928	770	570	806	822	759	784	667	-15.0%	-1.4%
Chile	204	158	169	169	175	171	183	146	-20.1%	-0.8%
Colombia	7	0	0	0	0	0	0	0		
Costa Rica	11	10	0	0	0	0	0	0		-100.0%
Cuba	39	89	78	66	50	43	40	46	15.1%	-6.4%
Dominican Republic	42	27	16	23	20	25	24	24	-0.7%	-1.2%
El Salvador	20	15	0	0	0	0	0	0		-100.0%
Guatemala	5	0	0	0	0	0	0	0		
Jamaica	9	23	24	24	20	21	24	24	-0.9%	0.5%
Mexico	0	0	0	0	0	4	0	0		
Nicaragua	15	15	15	12	14	14	12	12	5.5%	-1.9%
Netherlands Antilles	232	89	185	162	87	65	56	56	-0.2%	-4.6%
Paraguay	1	0	0	0	0	0	0	0		
Peru	98	97	87	107	128	115	107	33	-69.1%	-10.2%
Trinidad and Tobago	92	68	78	101	88	63	0	0		-100.0%
United States	10,921	9,862	7,363	7,872	7,973	7,770	6,803	6,064	-10.9%	-4.7%
Uruguay	41	39	39	39	10	42	40	40	0.3%	0.3%
Venezuela	0	9	33	6	1	2	4	0	-100.0%	-100.0%

(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2021) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Crude Future Prices and Open Interests^(*)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Crude Future Prices										
(US\$/barrel)										
ICE Brent	55.3	80.3	53.6	45.1	54.7	71.7	64.2	43.2	-32.7%	-6.0%
CME WTI	56.7	79.6	48.8	43.5	50.9	64.9	57.0	39.3	-31.0%	-6.8%
Total Open Interests										
(no. contracts - daily totals)										
ICE Brent	350,337	813,445	1,922,243	2,195,065	2,401,096	2,369,529	2,379,096	2,544,098	6.9%	12.1%
CME WTI	819,675	1,341,531	1,679,710	1,818,925	2,282,425	2,378,026	2,077,109	2,126,738	2.4%	4.7%

ICE Brent Price 1 Month^(*)

(US\$/barrel)



WTI vs Brent 1 Month Differential^(*)

(US\$/barrel)



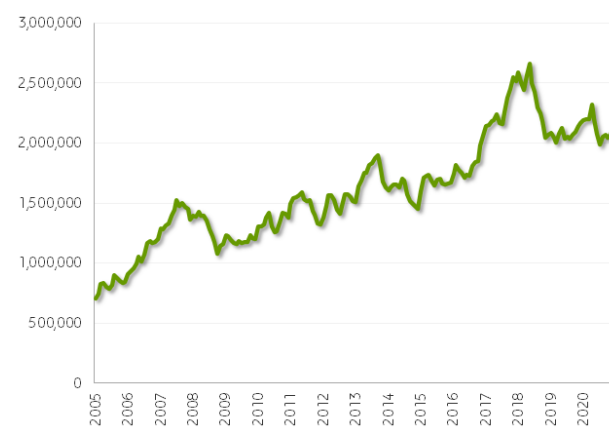
ICE Brent Total Open Interests^(*)

(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)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total 2010 2020	
World (A)	74,089	74,232	80,750	80,628	80,686	82,441	82,005	75,761		
Ultra Light	1,952	2,334	2,884	2,849	2,802	2,819	2,886	2,748	3.1%	3.6%
Light & Sweet	13,653	13,302	14,669	14,197	14,681	16,590	17,691	15,691	17.9%	20.7%
Light & Medium Sour	2,917	3,985	4,052	3,881	4,155	4,153	4,256	3,882	5.4%	5.1%
Light & Sour	2,343	2,158	2,581	2,621	2,616	2,774	2,792	2,841	2.9%	3.7%
Medium & Sweet	8,585	8,469	8,794	7,948	8,149	7,806	8,254	8,457	11.4%	11.2%
Medium & Medium Sour	2,148	3,168	2,929	2,975	2,898	3,155	3,283	3,604	4.3%	4.8%
Medium & Sour	31,222	29,567	32,214	33,762	33,273	33,217	31,496	28,179	39.8%	37.2%
Heavy & Sweet	1,609	2,051	1,916	1,955	1,727	1,757	1,831	1,791	2.8%	2.4%
Heavy & Medium Sour	2,431	2,798	2,703	2,556	2,555	2,423	2,025	1,690	3.8%	2.2%
Heavy & Sour	6,456	5,723	7,341	7,277	7,237	7,156	6,915	6,267	7.7%	8.3%
Unassigned production: (B)	773	677	667	608	593	590	576	612	0.9%	0.8%
% Unassigned production (B/A)	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.8		

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

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total 2010 2020	
World	74,089	74,232	80,750	80,628	80,686	82,441	82,005	75,761		
Light	20,864	21,779	24,186	23,548	24,254	26,336	27,624	25,161	29.3%	33.2%
Medium	41,955	41,204	43,936	44,685	44,320	44,178	43,034	40,240	55.5%	53.1%
Heavy	10,496	10,572	11,961	11,787	11,519	11,337	10,771	9,749	14.2%	12.9%
Unassigned production	773	677	667	608	593	590	576	612	0.9%	0.8%

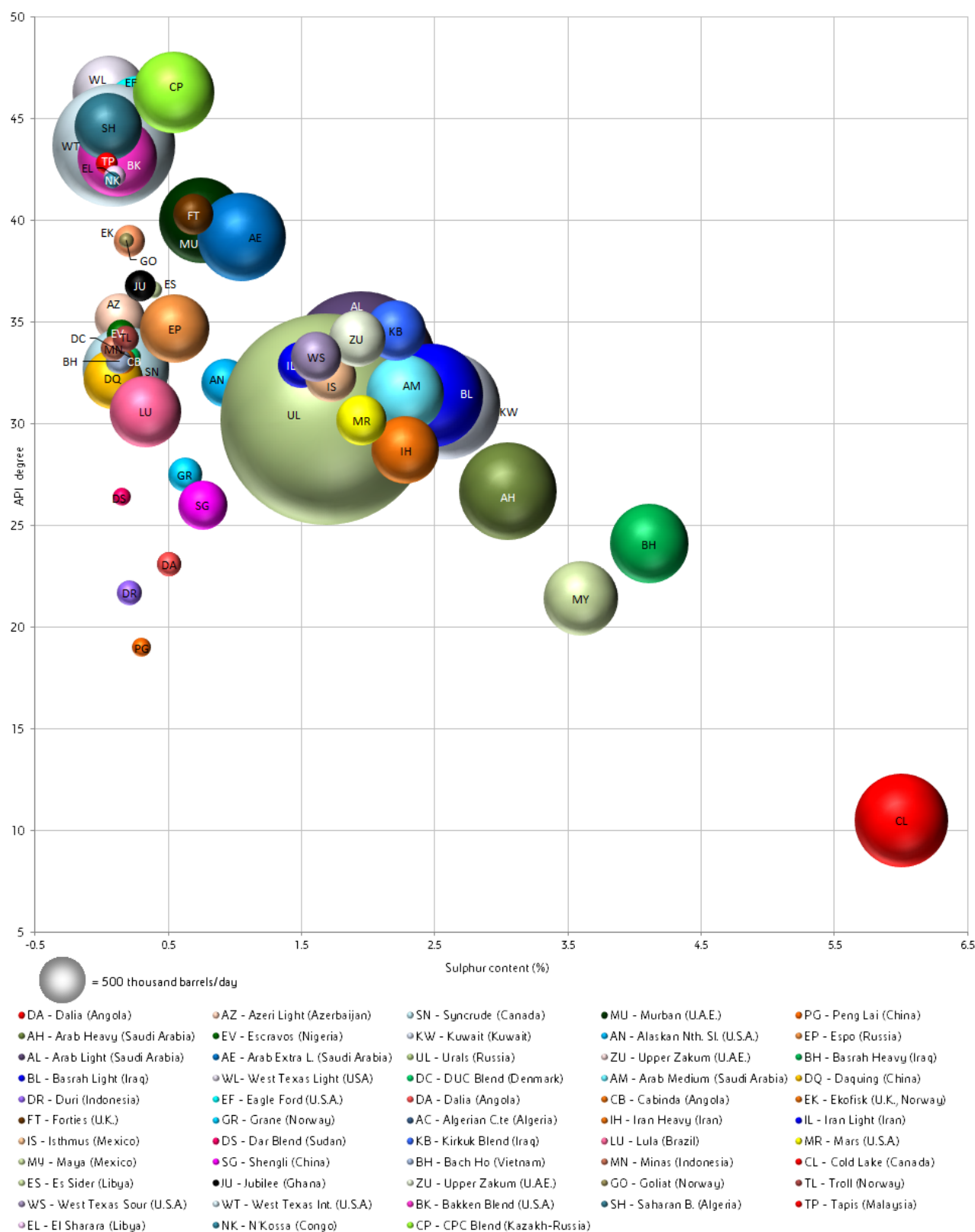
Crude Production by Sulphur Content^(*) (thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total 2010 2020	
World	74,089	74,232	80,750	80,628	80,686	82,441	82,005	75,761		
Sweet	25,799	26,156	28,262	26,948	27,360	28,973	30,662	28,687	35.2%	37.9%
Medium Sour	7,495	9,950	9,684	9,411	9,608	9,731	9,564	9,176	13.4%	12.1%
Sour	40,022	37,448	42,136	43,660	43,126	43,147	41,203	37,286	50.4%	49.2%
Unassigned production	773	677	667	608	593	590	576	612	0.9%	0.8%

^(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Quality and Production Volume of Main 2020 Crudes^(*)

(thousand barrels/day)

^(*) Data source: Eni.

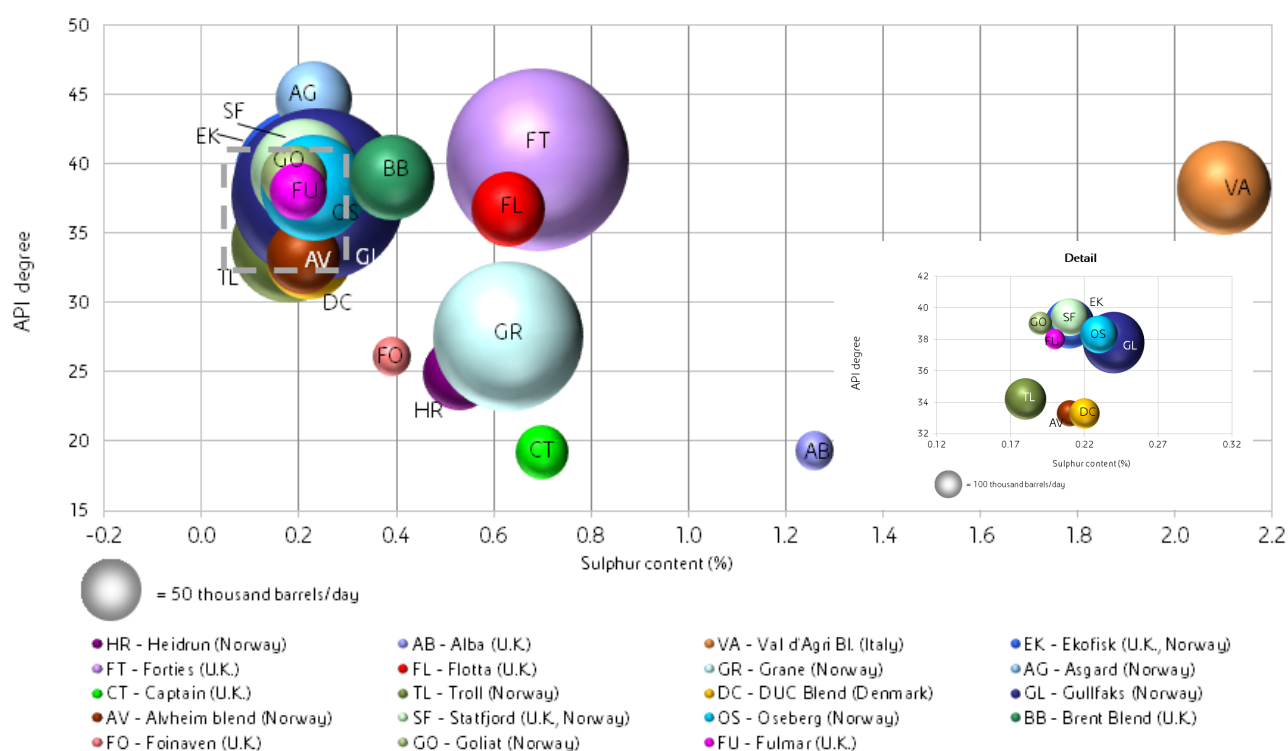
Crude Production by Quality^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Europe (A)	5,312	3,864	3,161	3,172	3,108	3,094	3,009	3,191		
Ultra Light	139	73	48	35	32	31	30	25	1.9%	0.8%
Light & Sweet	3,108	1,667	1,385	1,354	1,195	1,213	1,131	1,130	43.1%	35.4%
Light & Medium Sour	86	649	512	524	541	534	522	465	16.8%	14.6%
Light & Sour	89	68	77	51	62	75	64	83	1.8%	2.6%
Medium & Sweet	890	553	445	493	487	410	342	273	14.3%	8.6%
Medium & Medium Sour	106	86	79	75	72	71	393	718	2.2%	22.5%
Medium & Sour	1	29	15	6					0.8%	
Heavy & Sweet	55	85	39	43	69	132	157	142	2.2%	4.4%
Heavy & Medium Sour	398	276	199	249	332	325	80	75	7.1%	2.3%
Heavy & Sour	79	57	40	39	32	32	29	32	1.5%	1.0%
Unassigned production (B)	361	321	322	303	285	271	260	249	8.3%	7.8%
% Unassigned production (B/A)	6.8	8.3	10.2	9.5	9.2	8.7	8.6	7.8		

Quality and Production Volume of Main Crudes 2020^(**)

(thousand barrels/day)

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Denmark	388	255	156	141	137	114	101	71		
Light & Sweet	120	24	9	9	7	5	4	3	9.5%	4.1%
Medium & Sweet	268	231	147	132	130	109	97	68	90.5%	95.9%
Italy	115	96	100	71	78	89	78	101		
Light & Sweet	4	6	1	0	0	0	0	0	6.4%	0.4%
Light & Sour	89	68	77	51	62	75	64	83	71.3%	81.6%
Medium & Sour	1									
Heavy & Sour	21	21	23	20	16	14	14	18	22.3%	18.0%
Norway	2,690	1,871	1,610	1,648	1,617	1,515	1,437	1,713		
Ultra Light	139	73	48	35	32	31	30	25	3.9%	1.5%
Light & Sweet	1,774	1,242	1,105	1,049	944	898	795	793	66.4%	46.3%
Light & Medium Sour		31	14	14	11	8	5	5	1.6%	0.3%
Medium & Sweet	459	275	266	319	326	278	232	192	14.7%	11.2%
Medium & Medium Sour							323	650		37.9%
Medium & Sour		29	15	6					1.6%	
Heavy & Medium Sour	318	222	162	225	304	300	52	49	11.8%	2.9%
Romania	106	86	79	75	72	71	70	68		
Medium & Medium Sour	106	86	79	75	72	71	70	68	100.0%	100.0%
United Kingdom	1,652	1,235	894	934	919	1,034	1,063	989		
Light & Sweet	1,210	395	271	296	245	309	332	335	32.0%	33.8%
Light & Medium Sour	86	618	499	510	530	526	517	460	50.0%	46.5%
Medium & Sweet	163	47	31	41	30	24	14	13	3.8%	1.3%
Medium & Sour										
Heavy & Sweet	55	85	39	43	69	132	157	142	6.9%	14.3%
Heavy & Medium Sour	80	54	36	24	29	26	28	26	4.4%	2.6%
Heavy & Sour	58	36	18	19	16	18	15	13	2.9%	1.3%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

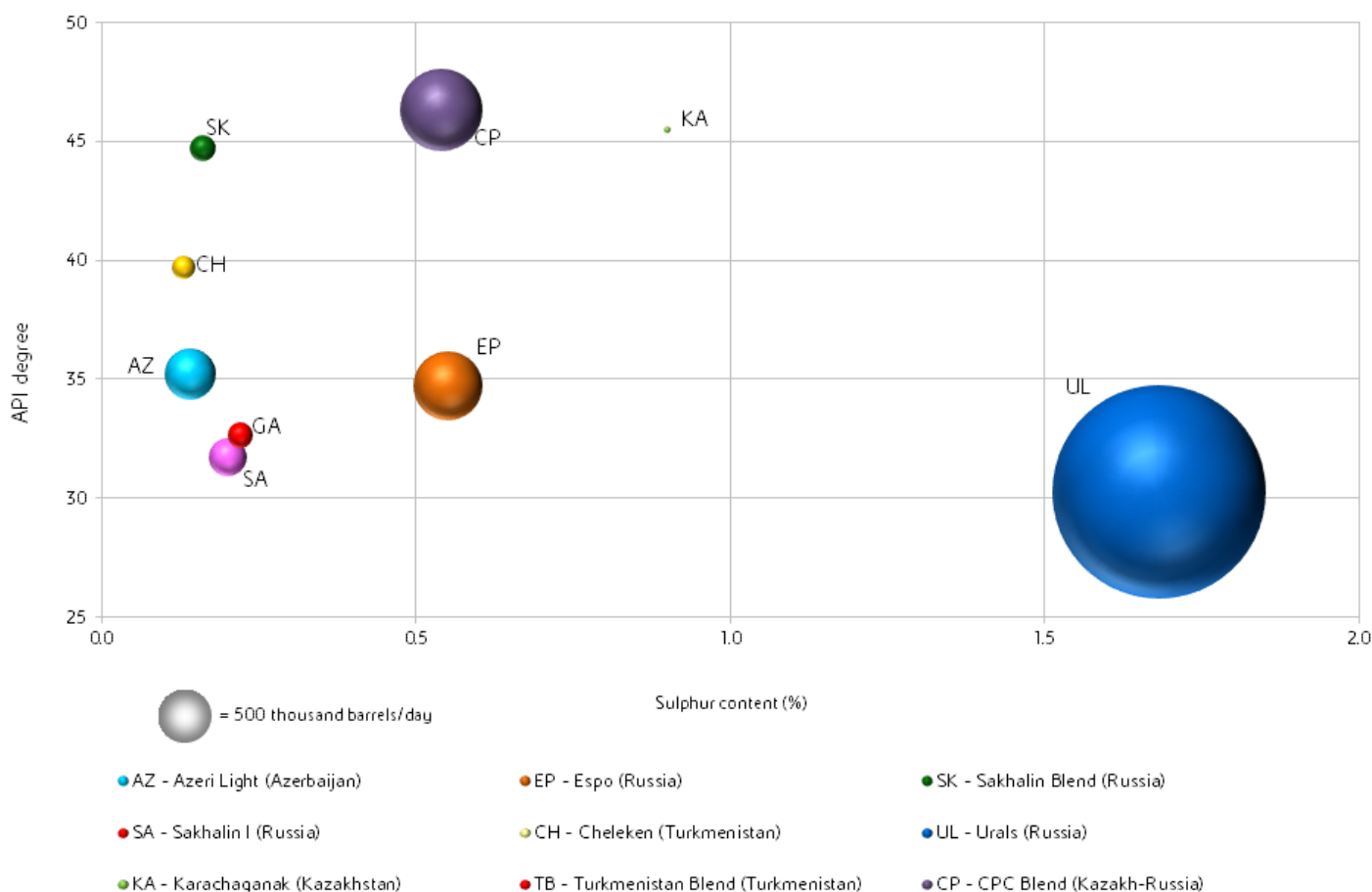
Crude Production by Quality^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Russia and Central Asia (A)	11,553	13,162	13,583	13,757	13,890	14,153	14,221	13,072		
Ultra Light	247	250	286	286	305	298	276	286	1.9%	2.2%
Light & Sweet	140	1,458	927	935	894	894	855	787	11.1%	6.0%
Light & Medium Sour	1,176	1,344	1,511	1,459	1,663	1,786	1,849	1,758	10.2%	13.4%
Light & Sour	62	45	41	35	36	26			0.3%	
Medium & Sweet	657	393	470	441	433	477	508	512	3.0%	3.9%
Medium & Medium Sour		1,112	1,045	1,051	989	978	846	913	8.4%	7.0%
Medium & Sour	9,268	8,558	9,301	9,549	9,569	9,693	9,886	8,814	65.0%	67.4%
Heavy & Sweet										
Heavy & Medium Sour										
Heavy & Sour										
Unassigned production (B)	3	2	2	1	1	1	1	2	0.0%	0.0%
% Unassigned production (B/A)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

Quality and Production Volume of Main Crudes 2020^(**)

(thousand barrels/day)



^(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

^(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total 2010 2020	
Russia	9,491	10,139	10,719	10,964	10,980	11,161	11,251	10,269		
Light & Sweet	139	267	109	118	126	124	116	113	2.6%	1.1%
Light & Medium Sour	130	136	103	76	120	147	160	173	1.3%	1.7%
Medium & Sweet		96	172	183	186	236	260	259	1.0%	2.5%
Medium & Medium Sour		1,112	1,045	1,051	989	978	846	913	11.0%	8.9%
Medium & Sour	9,222	8,528	9,290	9,536	9,559	9,676	9,869	8,811	84.1%	85.8%
Azerbaijan	448	1,041	848	828	783	792	764	698		
Light & Sweet	1	900	710	704	660	667	639	575	86.4%	82.4%
Medium & Sweet	447	141	139	125	123	125	125	123	13.6%	17.6%
Kazakhstan	1,293	1,694	1,694	1,669	1,848	1,937	1,942	1,836		
Ultra Light	247	250	286	286	305	298	276	286	14.8%	15.6%
Light & Sweet		236							13.9%	
Light & Medium Sour	1,046	1,208	1,408	1,383	1,543	1,639	1,666	1,550	71.3%	84.4%
Turkmenistan	210	211	268	247	232	219	223	229		
Light & Sweet		55	108	113	109	103	100	99	26.1%	43.1%
Medium & Sweet	210	156	160	134	123	116	123	130	73.9%	56.9%
Uzbekistan	108	75	52	48	46	43	40	38		
Light & Medium Sour							23	35		93.2%
Light & Sour	62	45	41	35	36	26			60.4%	
Medium & Sour	46	30	11	13	10	17	17	3	39.6%	6.8%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

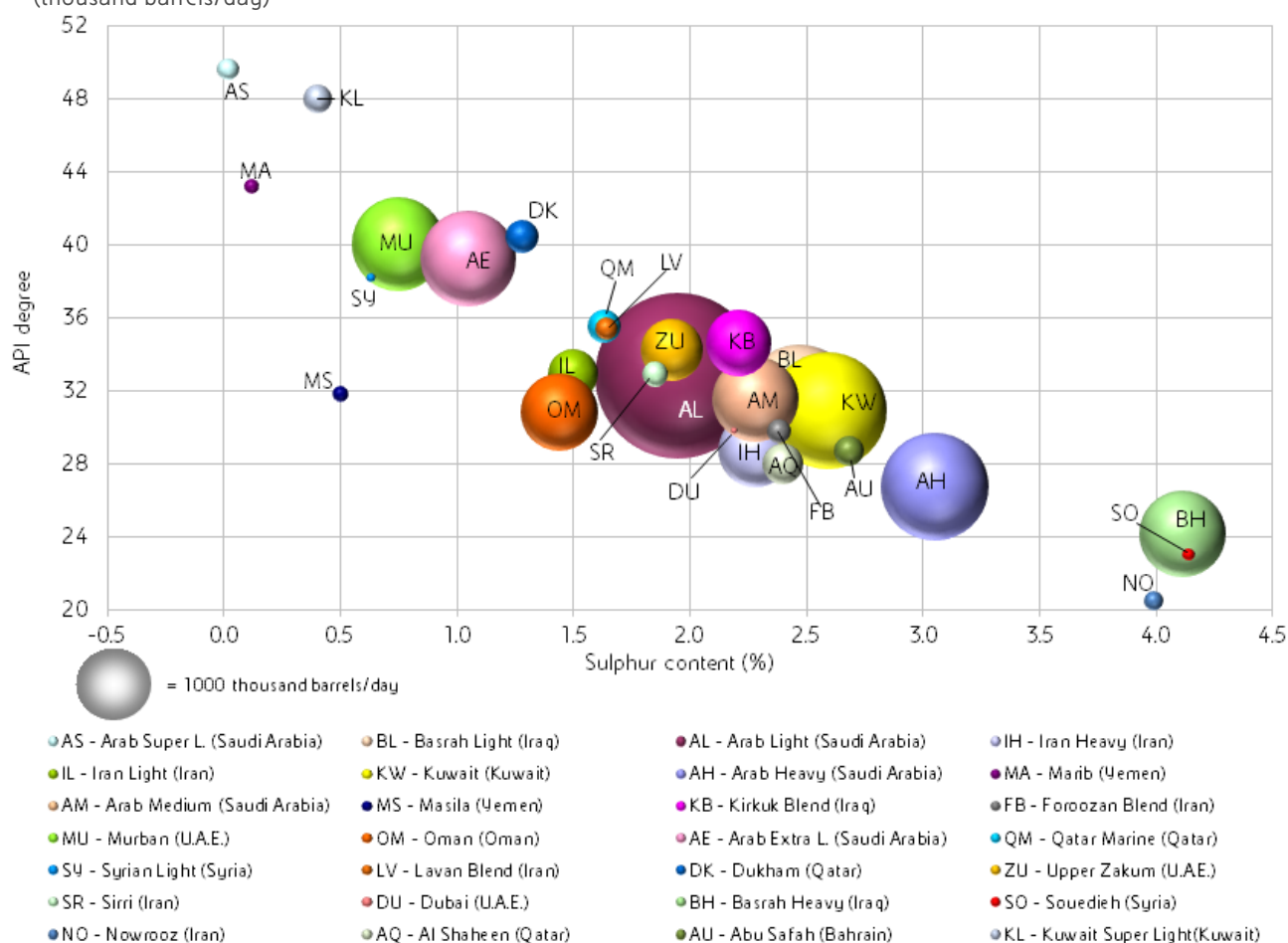
Crude Production by Quality^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Middle East	22,659	21,833	25,393	26,979	26,484	26,841	25,348	23,103		
Ultra Light	185	559	770	770	760	760	760	740	2.6%	3.2%
Light & Sweet	257	176	124	118	110	173	206	232	0.8%	1.0%
Light & Medium Sour	1,434	1,509	1,660	1,548	1,590	1,501	1,617	1,422	6.9%	6.2%
Light & Sour	2,172	1,976	2,409	2,515	2,500	2,657	2,707	2,738	9.1%	11.8%
Medium & Sweet										
Medium & Medium Sour	265	164	19	16	42	62	58	34	0.8%	0.1%
Medium & Sour	17,744	16,843	18,970	20,440	19,844	20,016	18,338	16,494	77.1%	71.4%
Heavy & Sweet										
Heavy & Medium Sour										
Heavy & Sour	603	605	1,442	1,571	1,637	1,672	1,662	1,443	2.8%	6.2%

Quality and Production Volume of Main Crudes 2020^(**)

(thousand barrels/day)

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Bahrain	187	182	202	202	200	197	197	171		
Medium & Sour	187	182	202	202	200	197	197	171	100.0%	100.0%
Iran	3,879	3,705	2,846	3,552	3,812	3,578	2,359	1,992		
Light & Sour					63	71	76	74		3.7%
Medium & Sour	3,771	3,558	2,728	3,432	3,624	3,378	2,153	1,788	96.0%	89.7%
Heavy & Sour	108	147	118	120	125	129	129	131	4.0%	6.6%
Iraq	1,813	2,364	4,002	4,418	4,473	4,568	4,712	4,049		
Medium & Sour	1,813	2,364	2,759	2,980	2,975	3,034	3,192	2,830	100.0%	69.9%
Heavy & Sour			1,243	1,438	1,498	1,534	1,520	1,219		30.1%
Kuwait	2,423	2,298	2,787	2,884	2,707	2,745	2,682	2,425		
Light & Sweet						57	99	125		5.2%
Medium & Sour	2,268	2,158	2,752	2,884	2,707	2,688	2,583	2,264	93.9%	93.4%
Heavy & Sour	155	140	35					36	6.1%	1.5%
Oman	774	865	982	1,004	971	978	971	949		
Medium & Sour	774	865	982	1,004	971	978	971	949	100.0%	100.0%
Qatar	959	1,297	1,421	1,420	1,369	1,367	1,355	1,343		
Ultra Light	185	559	770	770	760	760	760	740	43.1%	55.1%
Light & Sour	556	452	356	354	334	340	330	337	34.9%	25.1%
Medium & Sour	218	286	295	296	275	267	265	266	22.0%	19.8%
Saudi Arabia	9,353	8,177	10,160	10,416	9,958	10,326	9,803	9,210		
Light & Sweet	115	56	115	118	109	111	98	74	0.7%	0.8%
Light & Sour	1,076	1,101	1,332	1,411	1,459	1,518	1,557	1,508	13.5%	16.4%
Medium & Sour	8,007	6,879	8,678	8,887	8,391	8,697	8,147	7,593	84.1%	82.4%
Heavy & Sour	155	140	35					36	1.7%	0.4%
Syria	413	350	19	17	17	16	25	33		
Light & Medium Sour	228	172	9	4	3	8	13	11	49.2%	33.9%
Heavy & Sour	185	178	10	13	14	8	12	22	50.8%	66.1%
United Arab Emirates	2,458	2,311	2,946	3,050	2,933	2,998	3,177	2,863		
Light & Medium Sour	1,206	1,337	1,651	1,544	1,587	1,494	1,604	1,411	57.8%	49.3%
Light & Sour	540	423	721	750	644	728	744	820	18.3%	28.6%
Medium & Medium Sour	6									
Medium & Sour	706	551	574	756	701	777	830	633	23.9%	22.1%
Yemen	400	284	28	16	44	67	67	67		
Light & Sweet	141	120	9	0	2	5	9	33	42.3%	49.0%
Medium & Medium Sour	259	164	19	16	42	62	58	34	57.7%	51.0%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

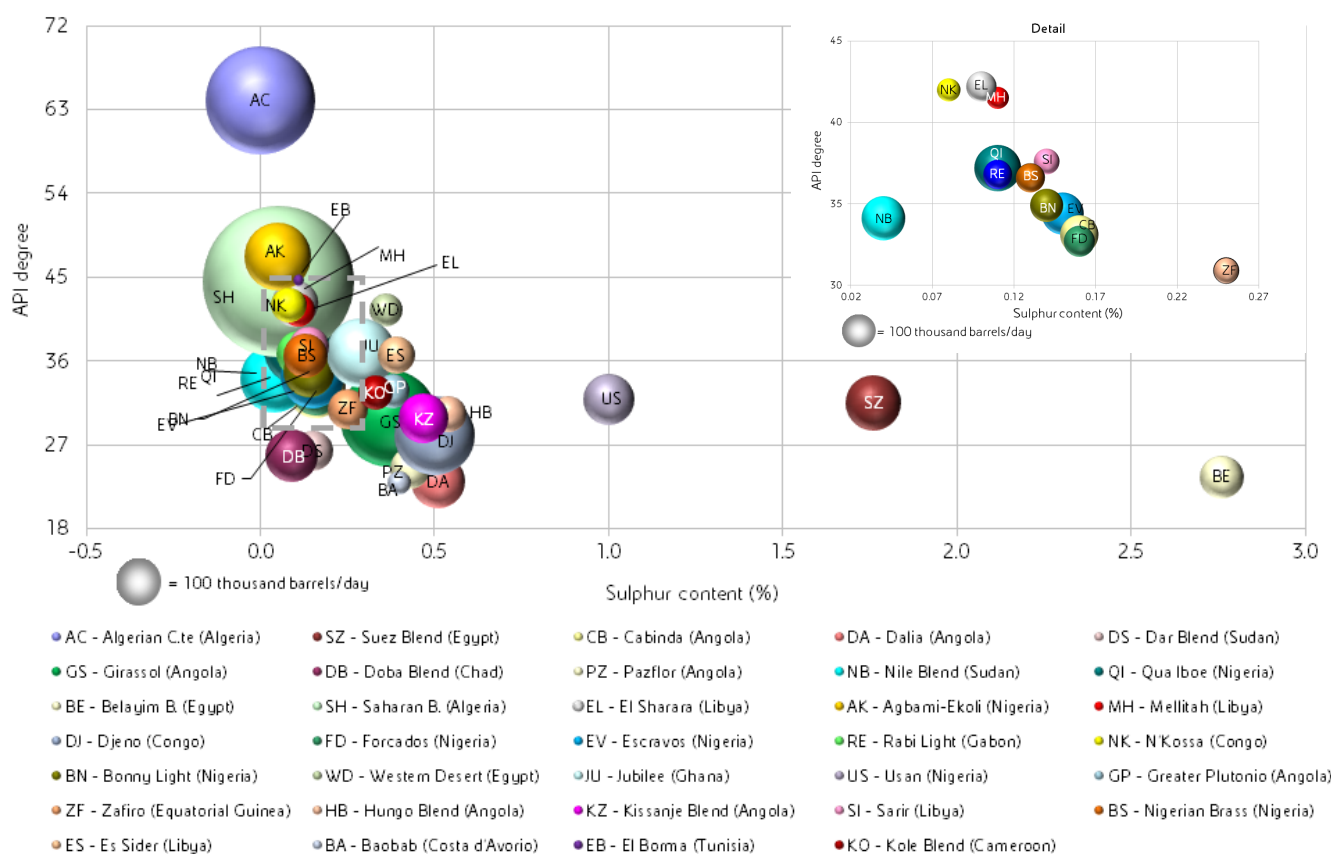
Crude Production by Quality^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total 2010 2020	
Africa (A)	9,572	9,893	8,086	7,563	7,927	8,039	8,152	6,762		
Ultra Light	603	589	581	584	569	556	552	537	6.0%	7.9%
Light & Sweet	5,030	4,942	3,646	3,411	3,671	3,997	4,112	3,064	50.0%	45.3%
Light & Medium Sovr		115	54	47	95	88	72	22	1.2%	0.3%
Light & Sour	20	33	23	20	18	16	21	20	0.3%	0.3%
Medium & Sweet	2,647	2,635	2,141	1,990	2,073	1,721	1,833	1,720	26.6%	25.4%
Medium & Medium Sovr	293	177	303	295	258	458	436	406	1.8%	6.0%
Medium & Sour	523	518	522	581	664	660	645	583	5.2%	8.6%
Heavy & Sweet	227	422	482	407	274	273	252	216	4.3%	3.2%
Heavy & Medium Sour	56	320	219	205	214	183	146	109	3.2%	1.6%
Heavy & Sour	159	131	92		72	69	69	69	1.3%	1.0%
Unassigned production (B)	14	12	23	21	20	18	15	15	0.1%	0.2%
% unassigned production (B/A)	0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.2		

Quality and Production Volume of Main Crudes 2020^(**)

(thousand barrels/day)



(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Algeria	1,931	1,720	1,590	1,604	1,530	1,512	1,490	1,356		
Ultra Light	603	515	481	494	483	470	466	458	29.9%	33.8%
Light & Sweet	1,328	1,205	1,109	1,110	1,047	1,042	1,024	898	70.1%	66.2%
Angola	1,228	1,750	1,760	1,708	1,642	1,491	1,389	1,269		
Light & Sweet	280	356	248	245	203	169	143	135	20.3%	10.6%
Medium & Sweet	657	909	828	876	907	872	897	840	52.0%	66.2%
Medium & Medium Sour	235	165	299	252	214	174	124	124	9.4%	9.8%
Heavy & Sweet			166	130	104	93	78	61		4.8%
Heavy & Medium Sour	56	320	219	205	214	183	146	109	18.3%	8.6%
Cameroon	89	64	93	92	76	69	71	73		
Medium & Sweet	57	36	62	54	43	38	39	44	57.0%	60.0%
Heavy & Sweet	32	28	31	38	33	31	32	29	43.0%	40.0%
Chad	170	120	139	129	112	128	118	106		
Heavy & Sweet	170	120	139	129	112	128	118	106	100.0%	100.0%
Congo	239	306	227	210	259	324	332	298		
Light & Sweet	121	89	51	62	74	87	66	54	29.1%	18.2%
Medium & Sweet	118	217	176	148	185				70.9%	
Medium & Medium Sour						237	266	244		81.8%
Cote d'Ivoire	40	39	26	32	40	33	36	28		
Medium & Sweet	16	16	14	13	15	12	11	8	41.3%	29.5%
Heavy & Sweet	24	23	12	19	25	21	25	20	58.7%	70.5%
Dem. Rep. Congo	25	22	21	19	24	23	22	21		
Medium & Sweet	25	22	21	19	24	23	22	21	100.0%	100.0%
Egypt	618	664	660	629	605	617	601	565		
Light & Sweet	153	202	235	220	31	38	40	39	30.4%	6.9%
Medium & Sour	306	331	333	409	502	510	493	456	49.8%	80.8%
Heavy & Sour	159	131	92		72	69	69	69	19.7%	12.3%
Equatoria Guinea	380	311	276	232	211	208	196	191		
Ultra Light		74	100	90	86	86	86	79	23.8%	41.4%
Light & Sweet	75									
Medium & Sweet	263	237	176	102	86	80	69	78	76.2%	41.1%
Medium & Medium Sour	42			40	39	42	41	34		17.6%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Gabon	270	249	230	227	200	190	212	198		
Light & Sweet	79	85					80	75	34.2%	37.8%
Medium & Sweet	64	50	116	123	111	106	38	35	20.1%	17.8%
Medium & Sour	127	114	114	104	89	84	94	88	45.7%	44.4%
Ghana	6	7	106	92	157	187	199	183		
Light & Sweet	6	7	106	92	157	187	199	183	100.0%	100.0%
Libya	1,640	1,550	402	391	827	971	1,087	354		
Light & Sweet	1,550	1,362	277	281	663	822	961	297	87.9%	84.0%
Light & Medium Sour		115	54	47	95	88	72	22	7.4%	6.2%
Medium & Sour	90	73	70	63	69	61	54	35	4.7%	9.9%
Nigeria	2,546	2,535	2,231	1,913	1,970	2,015	2,108	1,841		
Light & Sweet	1,403	1,601	1,602	1,384	1,482	1,638	1,592	1,379	63.2%	74.9%
Medium & Sweet	1,143	934	629	529	488	377	516	462	36.8%	25.1%
Heavy & Sweet										
Sudan	305	465	253	218	214	215	241	231		
Medium & Sweet	305	214	119	126	214	215	241	231	46.0%	100.0%
Heavy & Sweet		251	134	92					54.0%	
Tunisia	71	79	49	46	40	38	35	33		
Light & Sweet	35	34	18	16	14	13	6	5	43.2%	13.9%
Light & Sour	20	33	23	20	18	16	21	20	41.6%	61.9%
Medium & Medium Sour	16	12	4	4	4	4	4	4	15.2%	12.2%
Medium & Sour			4	6	4	5	4	4		12.0%

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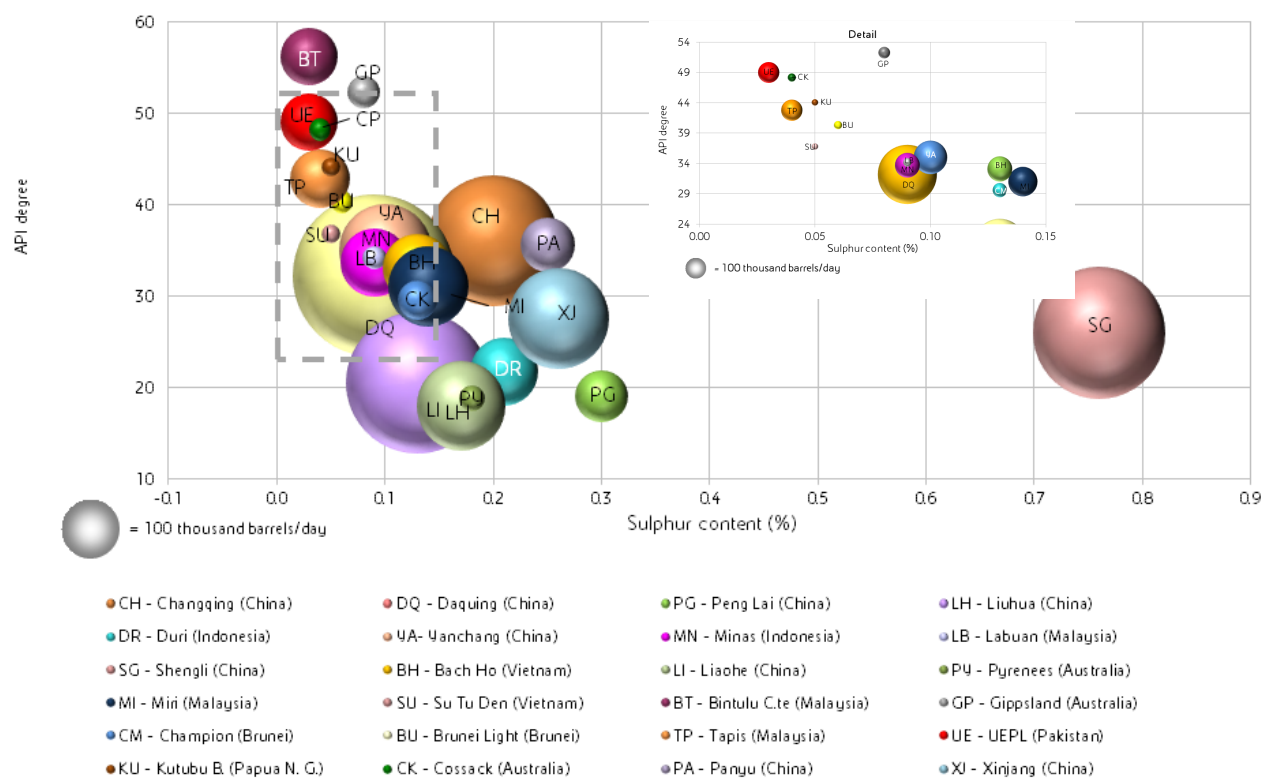
Crude Production by Quality^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Asia - Pacific (A)	7,520	7,836	7,728	7,376	7,107	6,923	6,930	6,773		
Ultra Light	597	698	543	509	530	561	615	553	8.9%	8.2%
Light & Sweet	2,549	2,161	1,982	2,446	2,445	2,436	2,351	2,147	27.6%	31.7%
Light & Medium Sour	33				24	23	31	30		0.4%
Light & Sour		35	32						0.4%	
Medium & Sweet	2,901	3,293	3,577	2,732	2,549	2,359	2,322	2,373	42.0%	35.0%
Medium & Medium Sour	536	554	547	480	472	471	453	453	7.1%	6.7%
Medium & Sour	63	56	62	86	59	58	56	56	0.7%	0.8%
Heavy & Sweet	795	990	932	1,072	979	970	1,059	1,117	12.6%	16.5%
Heavy & Medium Sour										
Heavy & Sour										
Unassigned production (B)	46	49	53	52	49	45	44	43	0.6%	0.6%
% Unassigned production (B/A)	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6		

Quality and Production Volume of Main Crudes 2020^(**)

(thousand barrels/day)

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total 2010 2020	
Australia	456	479	322	290	263	284	361	351		
Ultra Light	139	221	155	167	156	199	257	243	46.1%	69.1%
Light & Sweet	317	122	78	51	48	51	60	52	25.4%	14.8%
Heavy & Sweet		137	89	73	59	34	44	57	28.5%	16.1%
Heavy & Medium Sour										
Brunei	206	169	127	121	113	111	121	110		
Ultra Light	18	16	11	12	13	12	11	10	9.5%	9.1%
Light & Sweet	149	118	15	10	49	10	71	62	69.9%	56.0%
Medium & Sweet	3	35	101	99	51	89	39	38	20.6%	34.9%
Heavy & Sweet	36									
China	3,594	4,020	4,222	3,910	3,788	3,716	3,768	3,832		
Light & Sweet	395	318	273	711	705	791	810	739	7.9%	19.3%
Light & Medium Sour	33				24	23	31	30		0.8%
Light & Sour		35	32						0.9%	
Medium & Sweet	2,113	2,412	2,618	1,757	1,705	1,521	1,518	1,608	60.0%	42.0%
Medium & Medium Sour	536	554	547	480	472	471	453	453	13.8%	11.8%
Medium & Sour	63	56	62	86	59	58	56	56	1.4%	1.5%
Heavy & Sweet	454	645	691	876	822	852	901	946	16.0%	24.7%
East Timor	89	88	45	30	21	15	23	14		
Ultra light	89	88	45	30	21	15	23	14	100.0%	100.0%
India	663	755	764	737	737	712	670	630		
Light & Sweet	569	657	676	651	647	622	585	549	87.1%	87.1%
Medium & Sweet	27	95	87	85	89	89	84	80	12.6%	12.8%
Heavy & Sweet	67	3	1	1	1	1	1	1	0.3%	0.2%
Indonesia	1,061	945	776	831	795	770	745	712		
Ultra Light	162	166	126	100	97	96	90	86	17.5%	12.1%
Light & Sweet	341	336	264	290	269	261	197	167	35.5%	23.4%
Medium & Sweet	320	238	235	319	332	330	344	345	25.2%	48.5%
Heavy & Sweet	237	206	150	122	97	83	114	114	21.8%	16.0%
Malaysia	726	638	654	667	660	653	604	541		
Ultra Light	85	98	70	65	106	112	103	83	15.4%	15.4%
Light & Sweet	434	228	293	349	361	360	321	280	35.7%	51.8%
Medium & Sweet	207	312	291	253	193	181	180	178	48.9%	32.8%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
New Zealand	19	55	41	35	31	24	24	21		
Light & Sweet	19	39	29	26	23	18	18	16	70.2%	74.8%
Medium & Sweet		16	12	9	8	6	6	5	29.8%	25.2%
Pakistan	65	65	86	88	89	88	86	84		
Light & Sweet	65	65	86	88	89	88	86	84	100.0%	100.0%
Papua New Guinea	54	32	58	56	50	36	35	40		
Ultra Light	35	21	41	41	38	29	29	32	65.3%	81.0%
Light & Sweet	19	11	17	15	12	8	6	8	34.7%	19.0%
Thailand	183	242	248	258	240	228	228	202		
Ultra Light	70	89	96	95	99	99	102	85	36.6%	42.0%
Light & Sweet	114	153	152	164	141	129	126	117	63.4%	58.0%
Vietnam	358	299	332	301	271	241	221	193		
Light & Sweet	127	114	98	91	101	97	71	75	38.2%	38.9%
Medium & Sweet	231	185	234	210	170	144	150	118	61.8%	61.1%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

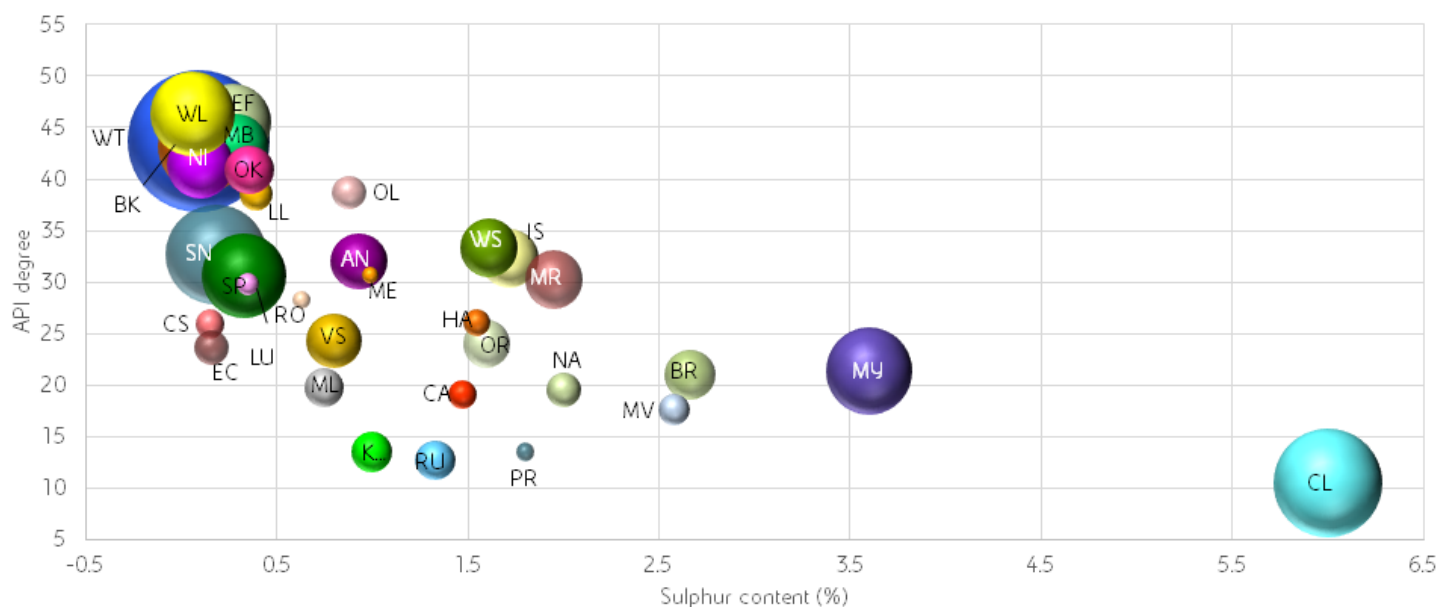
Crude Production by Quality^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Americas (A)	17,473	17,644	22,799	21,781	22,170	23,392	24,345	22,861		
Ultra Light	181	166	655	665	606	614	654	607	0.9%	2.7%
Light & Sweet	2,568	2,898	6,605	5,933	6,373	7,908	9,071	8,368	16.4%	36.6%
Light & Medium Sour	187	369	315	302	242	220	165	184	2.1%	0.8%
Light & Sour										
Medium & Sweet	1,491	1,594	2,161	2,292	2,608	2,838	3,249	3,579	9.0%	15.7%
Medium & Medium Sour	948	1,076	936	1,057	1,064	1,115	1,098	1,081	6.1%	4.7%
Medium & Sour	3,624	3,563	3,343	3,101	3,137	2,789	2,571	2,232	20.2%	9.8%
Heavy & Sweet	533	555	463	432	405	382	362	316	3.1%	1.4%
Heavy & Medium Sour	1,977	2,201	2,286	2,101	2,009	1,914	1,799	1,507	12.5%	6.6%
Heavy & Sour	5,615	4,930	5,768	5,667	5,495	5,384	5,156	4,723	27.9%	20.7%
Unassigned production (B)	350	293	267	231	231	226	221	265	1.7%	1.2%
% Unassigned production (B/A)	2.0	1.7	1.2	1.1	1.0	1.0	0.9	1.2		

Quality and Production Volume of Main Crudes 2020^(**)

(thousand barrels/day)



- WT - West Texas Int. (U.S.A.)
- CA - Castilla (Colombia)
- EF - Eagle Ford (U.S.A.)
- SP - Sapinhoa (Brazil)
- HA - Hamaca (Venezuela)
- MD - Medanito (Argentina)
- MV - Merey (Venezuela)
- NI - Niobrara (U.S.A.)
- RO - Roncador (Brazil)
- WL - West Texas Light (USA)

- AN - Alaskan Nth. Sl. (U.S.A.)
- CL - Cold Lake (Canada)
- IS - Isthmus (Mexico)
- PE - Petrocedeno (Venezuela)
- MB - Mixed Blend S. (Canada)
- ME - Mesa (Venezuela)
- MY - Maya (Mexico)
- OK - Oklahoma sweet (U.S.A.)
- RU - Rubiales (Colombia)

- BK - Bakken Blend (U.S.A.)
- CS - Canadon Seco (Argentina)
- SN - Syncrude (Canada)
- KR - Kern River (U.S.A.)
- LL - Louisiana Light Sweet (U.S.A.)
- ML - Marlim (Brazil)
- CN - Cerro Negro (Venezuela)
- OL - Olmeca (Mexico)
- VS - Vasconia (Colombia)

- BR - Bow River (Canada)
- EC - Escalante (Argentina)
- LU - Lula (Brazil)
- OR - Oriente (Ecuador)
- WS - West Texas Sour (U.S.A.)
- MR - Mars (U.S.A.)
- NA - Napo (Ecuador)
- PP - Petrozuata (Venezuela)
- PR - Peregrino (Brazil)

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

(**) Data source: Eni.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Argentina	665	589	532	511	480	489	509	480		
Ultra light	38	22	21	22	22	23	26	26	3.7%	5.3%
Light & Sweet	94	85	77	73	69	70	72	68	14.5%	14.2%
Medium & Sweet			21	27	35	55	89	108		22.5%
Medium & Medium Sour										
Heavy & Sweet	533	482	414	389	355	341	321	278	81.9%	58.0%
Brazil	1,639	2,063	2,451	2,525	2,638	2,599	2,788	2,937		
Light & Sweet			6	5	4	3	2	7		0.2%
Light & Medium Sour	43	48	38	36	31	31	29	27	2.4%	0.9%
Medium & Sweet			412	598	792	948	1,272	1,684		57.3%
Medium & Medium Sour	63	206	156	167	147	133	185	176	10.0%	6.0%
Heavy & Sweet		72	49	44	50	41	41	37	3.5%	1.3%
Heavy & Medium Sour	1,533	1,717	1,711	1,607	1,541	1,376	1,192	948	83.2%	32.3%
Heavy & Sour		19	79	69	72	68	67	57	0.9%	2.0%
Canada	2,456	2,851	3,829	3,823	4,151	4,503	4,583	4,356		
Light & Sweet	729	678	669	574	586	640	639	551	23.8%	12.6%
Medium & Sweet	756	1,048	1,198	1,193	1,333	1,399	1,459	1,463	36.7%	33.6%
Medium & Medium Sour			127	169	176	144	133	118		2.7%
Heavy & Medium Sour					2	62	112	141		3.2%
Heavy & Sour	971	1,125	1,836	1,887	2,054	2,259	2,240	2,083	39.5%	47.8%
<i>Memo: Syncrude production is included in Medium & Sweet</i>	<i>651</i>	<i>926</i>	<i>1,152</i>	<i>1,152</i>	<i>1,290</i>	<i>1,374</i>	<i>1,442</i>	<i>1,438</i>	<i>32.5%</i>	<i>31.1%</i>
<i>Memo: bitumen production is included in Heavy & Sour</i>	<i>445</i>	<i>697</i>	<i>1,406</i>	<i>1,485</i>	<i>1,648</i>	<i>1,856</i>	<i>1,837</i>	<i>1,718</i>	<i>24.4%</i>	<i>39.7%</i>
Colombia	526	786	1,006	898	854	865	886	781		
Light & Sweet		15	5	5	4	3	2	2	2.0%	0.2%
Medium & Sweet	74	60	41						7.7%	
Medium & Medium Sour				41	37	35	35	31		4.0%
Heavy & Medium Sour	444	484	575	494	466	477	495	418	61.6%	53.5%
Heavy & Sour	8	226	385	357	347	350	354	330	28.8%	0.0%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Countries^(*)

(thousand barrels/day)

	2005	2010	2015	2016	2017	2018	2019	2020	Share of total	
									2010	2020
Ecuador	532	466	541	549	531	517	531	479		
Heavy & Sour	532	466	541	549	531	517	531	479	100.0%	100.0%
Mexico	3,333	2,577	2,267	2,154	1,948	1,831	1,705	1,721		
Light & Medium Sour	144	320	277	266	210	190	136	158	12.4%	9.2%
Medium & Sour	802	834	838	785	689	558	490	486	32.4%	28.3%
Heavy & Sour	2,387	1,422	1,152	1,103	1,049	1,083	1,079	1,077	55.2%	62.6%
United States	5,184	5,484	9,446	8,851	9,371	10,964	12,248	11,314		
Ultra light	11	48	541	557	536	582	628	581	0.9%	5.1%
Light & Sweet	1,745	2,120	5,849	5,275	5,709	7,191	8,354	7,740	38.6%	68.4%
Medium & Sweet	505	372	380	376	358	376	394	323	6.8%	2.9%
Medium & Medium Sour	885	870	653	680	704	715	691	717	15.9%	6.3%
Medium & Sour	1,392	1,500	1,468	1,435	1,557	1,639	1,729	1,556	27.4%	13.8%
Heavy & Sour	646	575	555	528	506	460	452	397	10.5%	3.5%
Venezuela	2,788	2,535	2,460	2,239	1,966	1,398	874	528		
Ultra light	131	96	94	86	48	8			3.8%	
Medium & Sweet	156	114	109	98	91	61	36		4.5%	
Medium & Medium Sour						89	54	39		7.4%
Medium & Sour	1,430	1,228	1,037	882	891	592	352	190	48.4%	35.9%
Heavy & Sour	1,071	1,097	1,220	1,173	936	647	433	299	43.3%	56.7%

(*) Data source: Eni's elaborations on IEA (2021) *Monthly Oil Data Services* data. All rights reserved.

Oil – Refining Industry

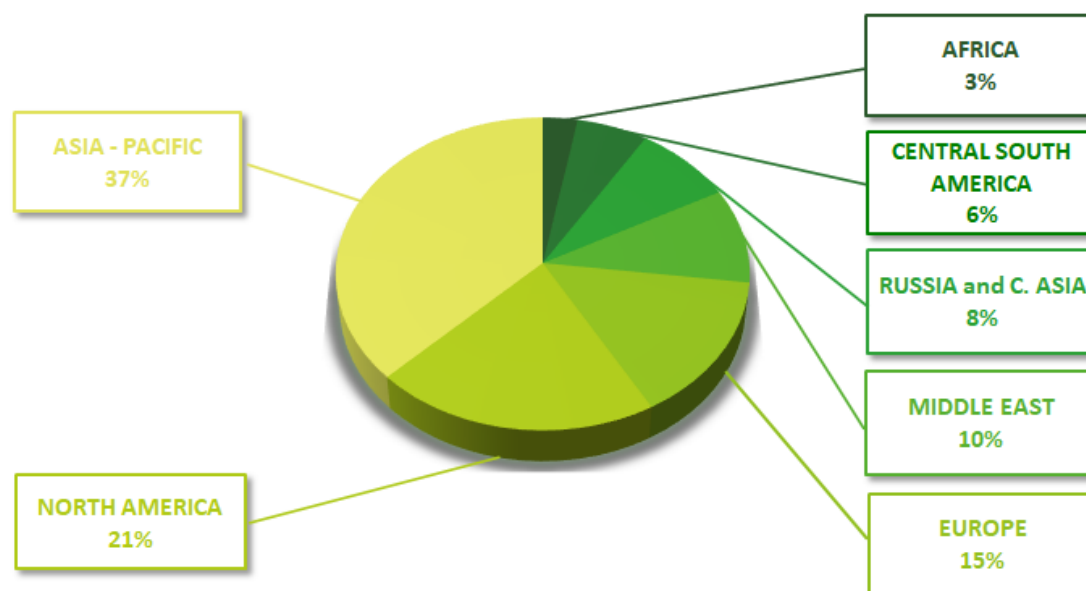
Refining Capacity

Areas and Aggregates^(*)

	2005						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 ^(**)	137	873	17,476	280	34%	8.7	128	840	16,812	290	37%	8.9
Russia and Central Asia	61	370	7,438	63	17%	6.7	66	378	7,614	66	18%	6.9
Middle East	47	361	7,319	61	17%	5.5	58	393	8,003	79	20%	6.0
Africa	46	158	3,152	27	17%	5.6	46	159	3,189	28	17%	5.7
Asia - Pacific	260	1,245	24,952	551	44%	7.4	298	1,498	30,048	804	54%	8.3
Americas	253	1,358	27,174	862	63%	10.0	242	1,353	27,087	881	65%	10.6
- North America	175	1,034	20,686	716	69%	11.2	167	1,034	20,688	729	70%	11.6
- Central South America	78	324	6,488	146	45%	7.2	75	319	6,399	152	47%	7.4
World	804	4,365	87,511	1,863	43%	8.2	838	4,622	92,753	2,167	47%	8.7

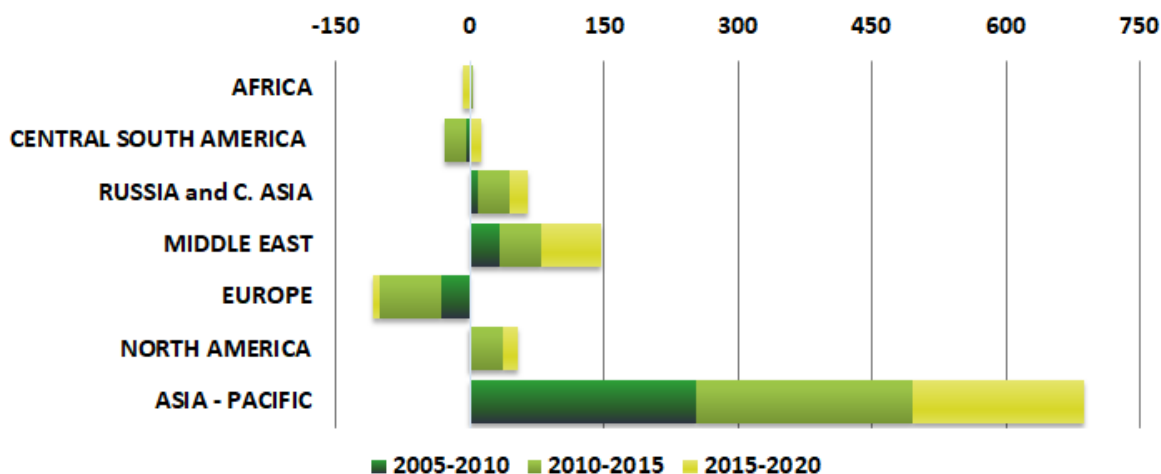
World Primary Capacity (2020)

5,182 million tons



World Primary Capacity Growth (2005-2020)

817 million tons



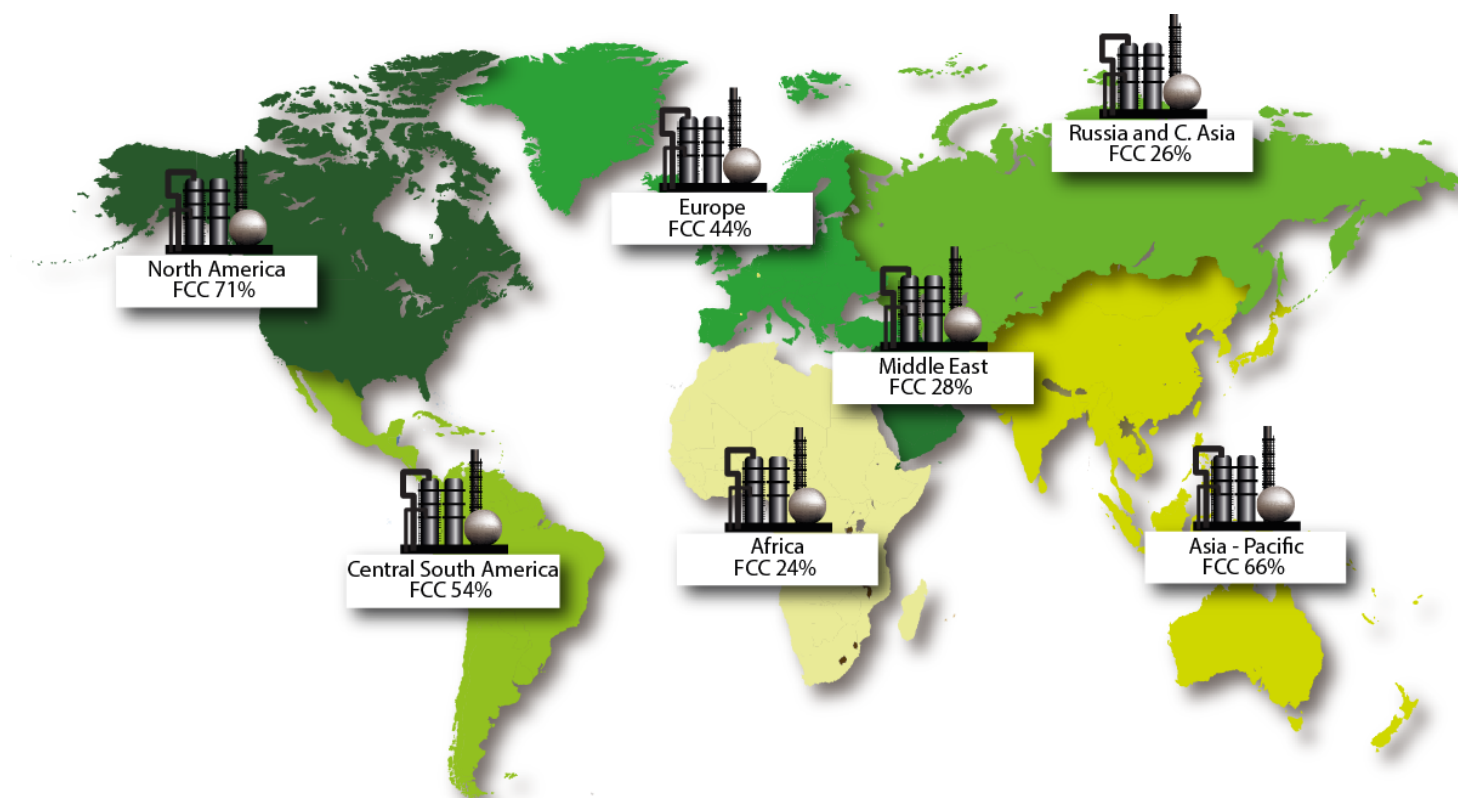
(*) Data source: Eni's calculations on ICIS Consulting data.

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

Areas and Aggregates^(*)

2015						2020						
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	
113	772	15,443	293	41%	9.2	109	765	15,302	317	44%	9.3	Europe ^(**)
70	415	8,356	79	19%	7.0	72	433	8,731	115	26%	7.7	Russia and Central Asia
58	441	8,950	118	27%	6.8	63	507	10,366	144	28%	7.3	Middle East
48	159	3,201	32	20%	6.1	51	150	3,025	36	24%	6.4	Africa
328	1,741	34,946	1,076	62%	9.2	333	1,932	38,833	1,282	66%	10.1	Asia - Pacific
239	1,367	27,374	922	67%	10.9	238	1,394	27,936	940	67%	10.8	Americas
164	1,071	21,441	777	73%	11.8	166	1,086	21,772	773	71%	11.6	North America -
75	296	5,933	145	49%	7.7	72	308	6,164	167	54%	8.0	Central South America -
856	4,895	98,270	2,539	52%	9.2	866	5,182	104,193	2,852	55%	9.6	World

2020 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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	7,103	6,038	4,941	4,691	4,531	3,998	3,877	3,774	-2.6%	-4.6%
Russia and Central Asia	51,087	60,900	73,816	74,205	74,485	73,894	73,959	77,126	4.3%	2.4%
Middle East	72,513	78,963	79,263	80,271	80,177	80,571	81,013	81,359	0.4%	0.3%
Africa	14,163	14,493	14,594	15,042	15,314	15,370	15,439	15,467	0.2%	0.7%
Asia - Pacific	13,259	15,683	15,503	14,982	14,637	14,445	14,348	13,277	-7.5%	-1.7%
Americas	14,618	18,446	18,769	19,060	22,223	22,960	22,719	22,250	-2.1%	1.9%
- North America	7,419	10,597	10,880	11,216	14,491	15,445	15,232	14,813	-2.7%	3.4%
- Central South America	7,199	7,849	7,889	7,844	7,732	7,515	7,487	7,437	-0.7%	-0.5%
World	172,742	194,524	206,887	208,251	211,367	211,239	211,355	213,253	0.9%	0.9%
European Union	2,915	2,266	1,571	1,414	1,328	847	787	787	0.0%	-10.0%
MENA	80,468	87,240	87,424	88,567	88,472	88,866	89,308	89,654	0.4%	0.3%
OECD	5,885	4,919	3,931	3,705	3,572	2,988	2,873	2,770	-3.6%	-5.6%
NON OECD	166,857	189,605	202,957	204,546	207,794	208,251	208,482	210,483	1.0%	1.1%
OPEC	61,132	69,189	70,499	71,768	71,976	72,382	72,852	73,360	0.7%	0.6%
NON OPEC	111,610	125,335	136,388	136,483	139,390	138,857	138,503	139,893	1.0%	1.1%

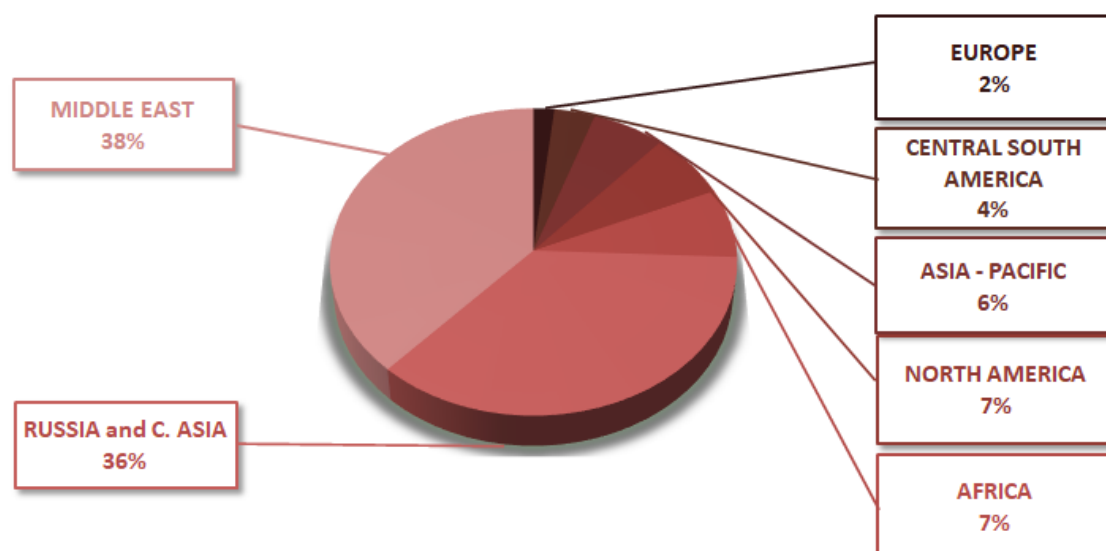
The World Top 10 Reserves Holders^(*)

(billion cubic metres as at 31st December)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia	44,860	46,000	50,249	50,660	50,551	49,620	49,203	49,203	0.0%	0.7%
Iran	27,580	33,090	33,500	33,721	33,810	33,899	33,988	34,077	0.3%	0.3%
Qatar	25,636	25,201	24,299	24,073	23,861	23,846	23,831	23,831	0.0%	-0.6%
Turkmenistan	2,601	11,332	19,486	19,486	19,486	19,486	19,486	22,269	14.3%	7.0%
United States	5,787	8,620	8,709	9,119	12,408	13,437	13,171	12,702	-3.6%	4.0%
Saudi Arabia	6,900	8,016	8,588	8,619	8,715	9,069	9,423	9,791	3.9%	2.0%
United Arab Emirates	6,060	6,090	6,090	6,090	6,090	6,090	6,090	6,090	0.0%	0.0%
Nigeria	5,154	5,110	5,284	5,475	5,627	5,675	5,761	5,848	1.5%	1.4%
Venezuela	4,309	5,521	5,698	5,736	5,707	5,674	5,674	5,674	0.0%	0.3%
Algeria	4,504	4,504	4,504	4,504	4,504	4,504	4,504	4,504	0.0%	0.0%
The World Top 10	133,391	153,484	166,407	167,483	170,758	171,300	171,131	173,990	1.7%	1.3%
Rest of the World	39,351	41,040	40,481	40,768	40,608	39,939	40,224	39,263	-2.4%	-0.4%
World	172,742	194,524	206,887	208,251	211,367	211,239	211,355	213,253	0.9%	0.9%

World Natural Gas Reserves (2020)

213,253 billion cubic metres



^(*) 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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	7,103	6,038	4,941	4,691	4,531	3,998	3,877	3,774	-2.6%	-4.6%
Albania	0	0	0	0	0	1	1	1	0.0%	25.9%
Austria	21	15	9	8	8	7	6	6	-9.6%	-9.1%
Belarus	1	1	1	1	1	1	1	1	0.0%	-6.7%
Bulgaria	3	5	4	4	4	4	4	4	0.0%	-1.7%
Croatia	30	25	11	10	9	6	6	6	0.0%	-13.5%
Czech Republic	3	3	3	3	3	3	3	3	0.0%	1.0%
Denmark	122	101	80	77	72	69	66	66	0.0%	-4.2%
France	7	5	9	9	9	9	9	8	-2.8%	5.4%
Germany	178	87	46	42	37	30	25	20	-17.6%	-13.5%
Greece	1	1	1	1	1	1	1	1	0.0%	0.0%
Hungary	21	12	9	7	6	7	4	3	-37.7%	-14.2%
Ireland	25	25	30	30	30	29	28	28	0.0%	1.1%
Italy (**)	117	66	49	38	45	48	43	41	-4.9%	-4.6%
Moldova	1	1	1	1	1	1	1	1	0.0%	-6.7%
Netherlands	1,431	1,236	825	740	695	196	147	155	5.3%	-18.8%
Norway	3,108	2,762	2,461	2,388	2,334	2,226	2,165	2,062	-4.8%	-2.9%
Poland	106	71	61	58	56	73	85	87	1.7%	2.0%
Romania	143	110	103	99	92	87	81	81	0.0%	-3.0%
Serbia	10	8	6	6	6	5	5	5	0.0%	-4.9%
Slovakia	6	5	5	5	4	4	4	4	0.0%	-2.0%
Slovenia	0	1	1	1	0	0	0	0		-100.0%
Spain	3	3	3	3	3	3	3	3	0.0%	1.3%
Turkey	8	6	6	6	6	6	6	6	0.0%	0.1%
Ukraine	1,030	969	884	865	846	906	906	906	0.0%	-0.7%
United Kingdom	728	520	333	288	263	276	276	276	0.0%	-6.1%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	51,087	60,900	73,816	74,205	74,485	73,894	73,959	77,126	4.3%	2.4%
Russia	44,860	46,000	50,249	50,660	50,551	49,620	49,203	49,203	0.0%	0.7%
Azerbaijan	499	515	665	665	1,074	1,435	1,917	2,300	20.0%	16.1%
Georgia	1	1	1	1	1	1	1	1	0.0%	-6.7%
Kazakhstan	1,389	1,389	1,830	1,830	1,830	1,830	1,830	1,830	0.0%	2.8%
Kyrgyzstan	1	1	1	1	1	1	1	1	0.0%	-6.7%
Tajikistan	1	1	1	1	1	1	1	1	0.0%	-6.7%
Turkmenistan	2,601	11,332	19,486	19,486	19,486	19,486	19,486	22,269	14.3%	7.0%
Uzbekistan	1,735	1,661	1,585	1,564	1,543	1,522	1,522	1,522	0.0%	-0.9%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	72,513	78,963	79,263	80,271	80,177	80,571	81,013	81,359	0.4%	0.3%
Bahrain	110	110	163	224	210	210	193	81	-57.7%	-3.0%
Iran	27,580	33,090	33,500	33,721	33,810	33,899	33,988	34,077	0.3%	0.3%
Iraq	3,170	3,158	3,158	3,820	3,744	3,729	3,714	3,714	0.0%	1.6%
Israel	45	215	206	465	488	497	547	547	0.0%	9.8%
Jordan	6	6	6	6	6	6	6	6	0.0%	0.0%
Kuwait	1,572	1,784	1,784	1,784	1,784	1,784	1,784	1,784	0.0%	0.0%
Oman	670	520	705	705	705	677	674	674	0.0%	2.6%
Qatar	25,636	25,201	24,299	24,073	23,861	23,846	23,831	23,831	0.0%	-0.6%
Saudi Arabia	6,900	8,016	8,588	8,619	8,715	9,069	9,423	9,791	3.9%	2.0%
Syria	285	285	285	285	285	285	285	285	0.0%	0.0%
United Arab Emirates	6,060	6,090	6,090	6,090	6,090	6,090	6,090	6,090	0.0%	0.0%
Yemen	479	488	479	479	479	479	479	479	0.0%	-0.2%

(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂Data* and other official data sources.

(**) Data source: Italian Ministry for Ecological Transition.

Countries^(*)

(billion cubic metres as at 31st December)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	14,163	14,493	14,594	15,042	15,314	15,370	15,439	15,467	0.2%	0.7%
Algeria	4,504	4,504	4,504	4,504	4,504	4,504	4,504	4,504	0.0%	0.0%
Angola	270	310	308	440	422	384	343	307	-10.4%	-0.1%
Benin	1	1	0	0	0	0	0	0		-100.0%
Cameroon	165	155	153	152	151	150	149	149	0.0%	-0.4%
Chad	0	1	1	1	1	1	1	1	0.0%	0.0%
Congo	130	127	285	285	285	285	284	284	0.0%	8.4%
Côte d'Ivoire	31	27	22	21	20	18	18	18	0.0%	-4.0%
Dem. Rep. Congo	1	1	1	1	1	1	1	1	-0.3%	0.0%
Egypt	1,920	2,210	2,086	2,221	2,221	2,221	2,221	2,221	0.0%	0.0%
Equatorial Guinea	91	82	54	47	42	42	39	38	-2.1%	-7.4%
Ethiopia	25	28	25	25	25	35	35	35	0.0%	2.3%
Gabon	30	28	25	26	26	26	26	26	0.0%	-0.7%
Ghana	24	27	27	27	58	56	55	55	0.0%	7.3%
Libya	1,491	1,495	1,505	1,505	1,505	1,505	1,505	1,505	0.0%	0.1%
Madagascar	2	2	2	2	2	2	2	2	0.0%	0.0%
Mauritania	0	28	28	28	28	50	50	50	0.0%	6.0%
Morocco	3	3	1	1	1	1	1	1	0.0%	-10.4%
Mozambique	61	75	75	75	186	186	186	186	0.0%	9.5%
Namibia	70	70	70	70	70	70	70	47	-32.3%	-3.8%
Nigeria	5,154	5,110	5,284	5,475	5,627	5,675	5,761	5,848	1.5%	1.4%
Senegal	11	10	2	2	2	21	52	52	0.0%	17.9%
Somalia	0	0	6	6	6	6	6	6	0.0%	
South Africa	29	12	3	2	3	2	2	2	0.0%	-17.3%
Sudan	85	85	25	25	25	25	25	25	0.0%	-11.5%
Tanzania	28	37	37	37	40	40	39	39	0.0%	0.6%
Tunisia	37	65	65	65	64	64	64	64	0.0%	-0.2%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	13,259	15,683	15,503	14,982	14,637	14,445	14,348	13,277	-7.5%	-1.7%
Afghanistan	100	100	99	99	99	99	98	98	0.0%	-0.2%
Australia	2,428	3,759	3,205	3,193	3,193	3,193	3,173	3,201	0.9%	-1.6%
Bangladesh	407	354	385	365	337	325	312	312	0.0%	-1.3%
Brunei	333	301	258	252	240	246	240	240	0.0%	-2.2%
China	1,690	2,244	2,791	2,838	2,786	2,779	2,834	2,987	5.4%	2.9%
India	1,162	1,210	1,313	1,288	1,284	1,340	1,381	1,423	3.1%	1.6%
Indonesia	2,659	3,068	2,865	2,841	2,745	2,605	2,605	1,349	-48.2%	-7.9%
Japan	39	37	31	29	28	27	26	26	0.0%	-3.6%
Malaysia	2,346	2,334	2,842	2,470	2,346	2,290	2,217	2,229	0.6%	-0.5%
Myanmar	687	724	484	368	355	346	338	338	0.0%	-7.3%
New Zealand	62	52	56	50	51	53	54	54	0.0%	0.3%
Pakistan	712	617	467	479	502	499	446	435	-2.5%	-3.4%
Papua New Guinea	3	263	216	238	226	217	205	198	-3.3%	-2.8%
Philippines	100	86	71	69	58	56	53	53	0.0%	-4.8%
South Korea	3	3	3	3	3	3	3	3	0.0%	0.0%
Taiwan	4	4	3	3	3	3	3	3	0.0%	-3.3%
Thailand	304	300	207	193	181	171	171	138	-19.4%	-7.5%
Vietnam	220	228	207	203	199	195	190	190	0.0%	-1.8%

^(*) 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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	14,618	18,446	18,769	19,060	22,223	22,960	22,719	22,250	-2.1%	1.9%
Argentina	439	359	350	337	355	354	354	378	6.7%	0.5%
Barbados	2	2	2	0	1	1	1	1	-20.0%	-8.8%
Bolivia	710	281	305	310	303	201	200	200	0.0%	-3.3%
Brazil	306	417	429	378	370	368	365	360	-1.3%	-1.5%
Canada	1,632	1,977	2,171	2,097	2,083	2,008	2,061	2,111	2.4%	0.7%
Chile	13	8	6	5	5	4	4	4	0.0%	-6.4%
Colombia	113	153	123	114	110	107	90	73	-18.1%	-7.1%
Cuba	17	14	9	8	8	8	8	8	0.0%	-5.4%
Ecuador	9	7	11	11	11	11	11	11	0.0%	4.4%
Mexico	412	353	257	208	199	188	183	183	0.0%	-6.4%
Peru	338	353	399	456	365	300	300	247	-17.7%	-3.5%
Trinidad and Tobago	531	381	300	281	298	298	298	298	0.1%	-2.4%
United States	5,787	8,620	8,709	9,119	12,408	13,437	13,171	12,702	-3.6%	4.0%
Venezuela	4,309	5,521	5,698	5,736	5,707	5,674	5,674	5,674	0.0%	0.3%

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

Areas and Aggregates^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	328.35	314.55	262.80	262.52	264.63	253.78	237.60	219.51	-7.6%	-3.5%
Russia and Central Asia	735.10	772.12	781.46	798.68	854.22	901.76	931.35	886.63	-4.8%	1.4%
Middle East	294.94	458.21	575.08	596.25	612.72	625.30	643.86	642.59	-0.2%	3.4%
Africa	183.85	202.74	197.37	211.75	228.95	240.05	241.30	236.10	-2.2%	1.5%
Asia - Pacific	361.39	472.69	515.36	528.80	552.86	587.67	618.31	626.31	1.3%	2.9%
Americas	849.74	932.55	1,116.68	1,116.68	1,136.72	1,214.44	1,317.57	1,266.91	-3.8%	3.1%
- North America	670.09	725.96	902.28	908.93	932.28	1,011.12	1,114.39	1,087.71	-2.4%	4.1%
- Central South America	179.66	206.59	214.41	207.75	204.44	203.32	203.17	179.20	-11.8%	-1.4%
World	2,753.37	3,152.86	3,448.76	3,514.68	3,650.10	3,823.00	3,989.99	3,878.04	-2.8%	2.1%
European Union	221.57	185.25	124.84	124.82	119.22	109.42	100.24	87.15	-13.1%	-7.3%
MENA	445.55	615.48	712.26	747.90	774.38	796.62	814.65	806.93	-0.9%	2.7%
OECD	1,058.11	1,124.30	1,258.23	1,274.96	1,317.93	1,401.20	1,508.12	1,477.29	-2.0%	2.8%
NON OECD	1,695.26	2,028.56	2,190.52	2,239.72	2,332.17	2,421.80	2,481.87	2,400.76	-3.3%	1.7%
OPEC	358.87	435.74	514.71	547.47	570.98	577.86	581.94	576.75	-0.9%	2.8%
NON OPEC	2,394.50	2,717.12	2,934.05	2,967.20	3,079.12	3,245.14	3,408.05	3,301.29	-3.1%	2.0%

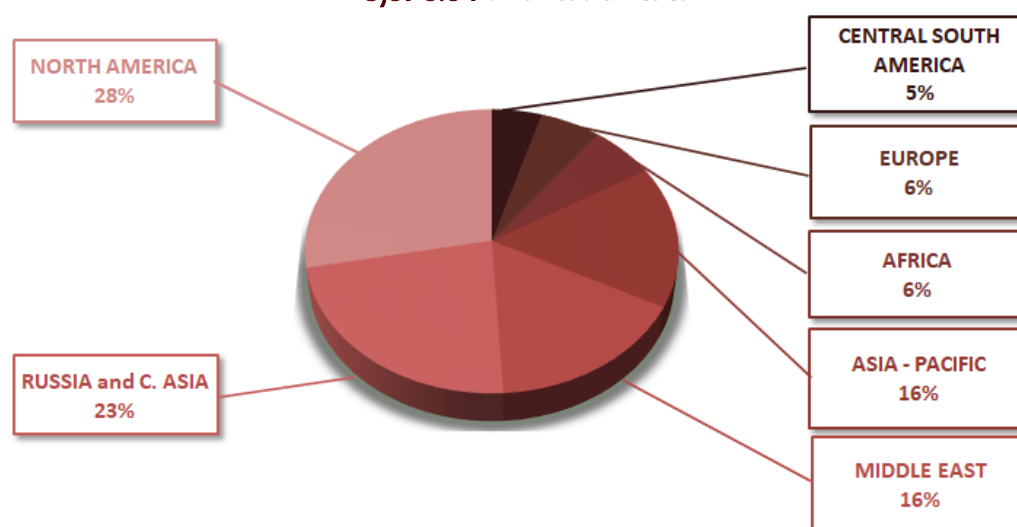
The World Top 10 Producers^(**)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
United States	490.27	575.44	740.45	729.57	746.27	819.16	930.32	907.49	-2.5%	4.7%
Russia	599.92	628.20	609.79	626.16	675.65	705.49	734.42	690.08	-6.0%	0.9%
Iran	97.07	141.56	181.12	196.62	214.69	224.18	228.91	231.39	1.1%	5.0%
China	48.00	93.23	131.01	133.21	144.08	155.88	171.47	186.00	8.5%	7.2%
Canada	179.81	150.52	161.83	179.36	186.01	191.96	184.07	180.22	-2.1%	1.8%
Qatar	46.36	124.79	170.76	172.95	172.33	171.40	173.48	173.25	-0.1%	3.3%
Australia	36.47	51.73	67.66	80.40	102.67	117.69	137.17	148.00	7.9%	11.1%
Norway	87.27	110.16	119.61	119.02	126.44	124.17	117.31	114.02	-2.8%	0.3%
Saudi Arabia	53.46	69.66	82.89	86.25	90.72	92.00	93.27	93.84	0.6%	3.0%
Algeria	87.94	83.70	83.06	93.69	95.17	96.10	88.98	90.65	1.9%	0.8%
The World Top 10	1,726.58	2,029.00	2,348.19	2,417.23	2,554.03	2,698.03	2,859.40	2,814.93	-1.6%	3.3%
Rest of the World	1,026.79	1,123.86	1,100.57	1,097.44	1,096.07	1,124.96	1,130.59	1,063.11	-6.0%	-0.6%
World	2,753.37	3,152.86	3,448.76	3,514.68	3,650.10	3,823.00	3,989.99	3,878.04	-2.8%	2.1%

World Natural Gas Production (2020)

3,878.04 billion cubic metres



^(*) Data source: Eni's calculations. The original data are from IEA (2021) *Extended Balances* and, for Italy, from Italian Ministry for Ecological Transition. 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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	328.35	314.55	262.80	262.52	264.63	253.78	237.60	219.50	-7.6%	-3.5%
Albania	0.01	0.01	0.03	0.04	0.04	0.04	0.07	0.05	-23.1%	14.4%
Austria	1.55	1.62	1.21	1.13	1.21	1.00	0.90	0.73	-18.1%	-7.6%
Belarus	0.19	0.16	0.17	0.16	0.14	0.15	0.15	0.15	-0.9%	-0.6%
Bulgaria	0.45	0.07	0.10	0.09	0.08	0.03	0.04	0.05	39.1%	-2.7%
Croatia	2.17	2.58	1.71	1.59	1.43	1.18	0.99	0.82	-17.1%	-10.8%
Czech Republic	0.18	0.23	0.24	0.21	0.22	0.21	0.20	0.19	-5.7%	-2.1%
Denmark	10.91	8.54	4.82	4.71	5.06	4.31	3.22	1.38	-57.1%	-16.7%
France	1.06	0.75	0.02	0.02	0.02	0.01	0.02	0.02	8.5%	-31.1%
Germany	16.67	12.92	7.37	7.62	7.01	5.48	5.09	4.29	-15.8%	-10.5%
Greece	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-30.1%	-1.3%
Hungary	2.71	2.60	1.59	1.66	1.64	1.71	1.54	1.52	-1.5%	-5.2%
Ireland	0.57	0.27	0.13	2.89	3.31	3.20	2.49	1.92	-22.9%	21.6%
Italy	11.50	8.01	6.45	5.51	5.27	5.18	4.62	3.91	-15.4%	-6.9%
Netherlands	65.33	75.27	45.88	44.29	37.93	32.33	27.85	20.07	-27.9%	-12.4%
Norway	87.27	110.16	119.61	119.02	126.44	124.17	117.31	114.02	-2.8%	0.3%
Poland	4.52	4.29	4.28	4.13	4.08	4.03	3.99	3.93	-1.4%	-0.9%
Romania	11.28	10.02	10.22	9.05	9.91	9.86	9.53	8.73	-8.4%	-1.4%
Serbia	0.27	0.36	0.53	0.48	0.45	0.42	0.41	0.37	-8.2%	0.4%
Slovakia	0.15	0.10	0.09	0.09	0.14	0.09	0.12	0.06	-46.9%	-4.7%
Slovenia	0.00	0.01	0.00	0.00	0.01	0.02	0.00	0.01	12.6%	-2.6%
Spain	0.17	0.05	0.06	0.06	0.03	0.09	0.14	0.05	-64.1%	-0.7%
Turkey	0.86	0.65	0.36	0.35	0.34	0.41	0.45	0.41	-8.6%	-4.5%
Ukraine	18.19	17.95	17.26	17.64	17.99	19.17	18.98	17.36	-8.5%	-0.3%
United Kingdom	92.34	57.90	40.66	41.74	41.85	40.68	39.51	39.45	-0.2%	-3.8%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	735.10	772.12	781.46	798.68	854.22	901.76	931.35	886.63	-4.8%	1.4%
Russia	599.92	628.20	609.79	626.16	675.65	705.49	734.42	690.08	-6.0%	0.9%
Azerbaijan	5.40	16.27	18.78	18.28	17.76	18.76	23.94	25.86	8.0%	4.7%
Georgia	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-15.7%	2.6%
Kazakhstan	18.41	28.62	27.14	30.93	36.38	39.18	33.50	33.72	0.7%	1.7%
Kyrgyzstan	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	-8.2%	-1.0%
Tajikistan	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-100.0%	-100.0%
Turkmenistan	59.68	42.91	79.28	75.56	76.25	79.98	82.12	82.20	0.1%	6.7%
Uzbekistan	51.62	56.07	46.41	47.71	48.15	58.32	57.34	54.75	-4.5%	-0.2%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	294.94	458.21	575.08	596.25	612.72	625.30	643.86	642.59	-0.2%	3.4%
Bahrain	9.71	12.29	14.15	13.99	14.01	14.18	15.66	15.81	1.0%	2.6%
Iran	97.07	141.56	181.12	196.62	214.69	224.18	228.91	231.39	1.1%	5.0%
Iraq	1.73	4.87	6.60	7.26	8.25	11.22	11.62	12.32	6.1%	9.7%
Israel	1.53	3.11	6.90	7.68	8.11	8.39	8.41	8.83	5.0%	11.0%
Jordan	0.21	0.16	0.12	0.10	0.10	0.09	0.09	0.03	-64.0%	-15.0%
Kuwait	11.69	11.14	16.06	16.24	16.05	17.01	18.57	17.33	-6.7%	4.5%
Oman	20.84	27.64	32.89	33.58	33.72	38.09	38.53	37.83	-1.8%	3.2%
Qatar	46.36	124.79	170.76	172.95	172.33	171.40	173.48	173.25	-0.1%	3.3%
Saudi Arabia	53.46	69.66	82.89	86.25	90.72	92.00	93.27	93.84	0.6%	3.0%
Syria	5.75	8.43	4.05	3.53	3.49	3.47	3.33	2.74	-17.6%	-10.6%
United Arab Emirates	46.60	48.31	56.69	57.54	50.95	45.19	51.90	49.12	-5.3%	0.2%
Yemen	0.00	6.26	2.86	0.50	0.30	0.10	0.10	0.10	0.0%	-33.9%

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Countries^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	183.85	202.72	197.37	211.75	228.95	240.05	241.30	236.10	-2.2%	1.5%
Algeria	87.94	83.70	83.06	93.69	95.17	96.10	88.98	90.65	1.9%	0.8%
Angola	0.62	0.70	0.73	1.62	5.51	5.88	6.46	6.91	7.0%	25.7%
Cameroon	0.00	0.30	0.48	0.51	0.57	1.52	2.24	2.26	0.8%	22.3%
Congo	0.02	0.10	0.50	0.57	0.60	0.68	0.96	0.96	0.0%	25.6%
Côte d'Ivoire	1.46	1.54	1.96	1.97	2.19	2.03	2.16	2.49	15.2%	4.9%
Egypt	49.58	53.97	36.39	40.45	50.33	59.58	66.08	61.43	-7.0%	1.3%
Equatorial Guinea	3.35	6.21	7.07	7.48	7.83	7.36	5.92	5.21	-12.0%	-1.7%
Gabon	0.14	0.31	0.52	0.52	0.46	0.45	0.47	0.00	-100.0%	-100.0%
Ghana	0.00	0.00	0.70	0.62	0.89	0.86	1.56	2.51	61.4%	
Libya	10.73	15.97	14.72	14.79	13.59	13.19	13.48	10.03	-25.6%	-4.5%
Morocco	0.04	0.05	0.08	0.07	0.07	0.08	0.09	0.09	-0.6%	5.2%
Mozambique	2.17	3.12	4.74	4.83	4.79	4.80	4.76	4.56	-4.2%	3.9%
Nigeria	23.00	30.91	41.50	40.09	42.85	43.42	43.87	44.77	2.0%	3.8%
Senegal	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	-0.9%	-5.7%
South Africa	2.07	1.47	1.12	1.02	0.82	0.98	1.12	1.10	-1.9%	-2.8%
Tanzania	0.39	0.75	0.85	0.81	0.75	0.72	0.95	0.95	0.0%	2.4%
Tunisia	2.32	3.58	2.93	2.64	2.49	2.38	2.16	2.14	-1.2%	-5.0%
Others Africa	0.00	0.00	0.01	0.03	0.02	0.02	0.02	0.02	-2.3%	41.4%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	361.39	472.69	515.36	528.80	552.86	587.67	618.31	626.31	1.3%	2.9%
Australia	36.47	51.73	67.66	80.40	102.67	117.69	137.17	148.00	7.9%	11.1%
Bangladesh	12.57	19.34	24.58	26.87	26.83	26.76	26.47	24.99	-5.6%	2.6%
Brunei	11.63	11.94	10.95	10.56	11.57	12.39	10.67	10.36	-2.8%	-1.4%
China	48.00	93.23	131.01	133.21	144.08	155.88	171.47	186.00	8.5%	7.2%
India	30.17	49.97	30.35	30.08	30.94	31.25	29.50	27.77	-5.9%	-5.7%
Indonesia	76.27	87.00	76.16	75.08	72.70	72.80	67.58	61.50	-9.0%	-3.4%
Japan	3.37	3.73	2.76	2.85	2.98	2.62	2.43	2.98	22.4%	-2.2%
Malaysia	64.40	59.32	67.27	66.56	65.23	68.80	70.65	65.24	-7.7%	1.0%
Myanmar	11.98	11.83	17.18	18.61	18.55	17.08	18.47	16.84	-8.8%	3.6%
New Zealand	3.75	4.48	4.70	4.92	4.86	4.31	4.64	4.53	-2.4%	0.1%
Pakistan	29.82	31.38	28.21	26.15	22.03	28.37	27.85	27.27	-2.1%	-1.4%
Philippines	3.14	3.55	3.34	3.83	3.78	4.22	4.25	3.87	-9.0%	0.9%
South Korea	0.51	0.56	0.20	0.16	0.36	0.30	0.25	0.19	-22.8%	-10.2%
Taiwan	0.51	0.28	0.35	0.30	0.25	0.18	0.16	0.10	-37.0%	-9.8%
Thailand	21.52	28.76	30.00	29.42	27.47	26.59	28.05	25.42	-9.4%	-1.2%
Vietnam	6.96	9.45	10.21	10.49	9.62	9.67	9.93	9.84	-0.9%	0.4%
Others Asia - Pacific	0.32	6.13	10.43	9.32	8.94	8.75	8.77	11.40	30.0%	6.4%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	849.74	932.55	1,116.68	1,116.68	1,136.72	1,214.44	1,317.57	1,266.91	-3.8%	3.1%
Argentina	46.43	40.25	38.86	39.91	40.54	41.58	43.33	39.74	-8.3%	-0.1%
Bolivia	11.91	14.36	21.06	20.15	19.54	18.23	15.99	14.22	-11.1%	-0.1%
Brazil	11.34	15.34	24.42	24.66	27.90	25.79	27.00	25.12	-7.0%	5.1%
Canada	179.81	150.52	161.83	179.36	186.01	191.96	184.07	180.22	-2.1%	1.8%
Chile	1.87	1.80	0.98	1.18	1.20	1.22	1.49	1.37	-8.2%	-2.7%
Colombia	7.12	10.96	12.07	11.14	11.41	11.90	13.90	9.44	-32.1%	-1.5%
Cuba	0.69	0.99	1.15	1.10	0.97	0.90	0.88	0.88	0.0%	-1.2%
Ecuador	0.32	0.49	0.65	0.70	0.63	0.55	0.48	0.48	0.0%	-0.2%
Mexico	44.73	49.52	39.97	35.39	30.90	32.62	31.89	31.70	-0.6%	-4.4%
Peru	1.89	8.87	14.76	16.34	14.54	14.29	15.08	12.81	-15.0%	3.7%
Trinidad and Tobago	30.82	41.67	37.20	32.37	32.49	35.00	35.55	29.16	-18.0%	-3.5%
United States	490.27	575.44	740.45	729.57	746.27	819.16	930.32	907.49	-2.5%	4.7%
Venezuela	22.53	22.28	23.24	24.78	24.30	21.19	17.52	14.22	-18.8%	-4.4%
Others Americas	0.03	0.05	0.04	0.03	0.03	0.05	0.05	0.05	0.5%	1.5%

^(*) Data source: the original data are from IEA (2021) *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)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	22	19	19	18	17	16	16	17
Russia and Central Asia	69	79	94	93	87	82	79	87
Middle East	246	172	138	135	131	129	126	127
Africa	77	71	74	71	67	64	64	66
Asia - Pacific	37	33	30	28	26	25	23	21
Americas	17	20	17	17	20	19	17	18
- North America	11	15	12	12	16	15	14	14
- Central South America	40	38	37	38	38	37	37	41
World	63	62	60	59	58	55	53	55
European Union	13	12	13	11	11	8	8	9
MENA	181	142	123	118	114	112	110	111
OECD	6	4	3	3	3	2	2	2
NON OECD	98	93	93	91	89	86	84	88
OPEC	170	159	137	131	126	125	125	127
NON OPEC	47	46	46	46	45	43	41	42

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

	2005	2010	2015	2016	2017	2018	2019	2020
Iran	284	234	185	172	157	151	148	147
Qatar	553	202	142	139	138	139	137	138
Saudi Arabia	129	115	104	100	96	99	101	104
Russia	75	73	82	81	75	70	67	71
Algeria	51	54	54	48	47	47	51	50
Australia	67	73	47	40	31	27	23	22
Norway	36	25	21	20	18	18	18	18
China	35	24	21	21	19	18	17	16
United States	12	15	12	12	17	16	14	14
Canada	9	13	13	12	11	10	11	12

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂Data*, IEA (2021) *Extended Balances* and other official data sources. All rights reserved.

Countries^(*)

(years)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	22	19	19	18	17	16	16	17
Albania	29	7	3	2	2	27	15	19
Austria	14	9	7	7	6	7	7	8
Belarus	5	6	3	3	3	3	3	3
Bulgaria	7	73	45	48	55	127	112	80
Croatia	14	10	7	6	6	5	6	7
Czech Republic	17	13	14	16	15	16	17	18
Denmark	11	12	17	16	14	16	21	48
France	7	7	391	416	529	965	521	467
Germany	11	7	6	6	5	5	5	5
Greece	47	113	183	90	95	68	90	129
Hungary	8	5	5	4	4	4	3	2
Ireland	44	92	229	10	9	9	11	15
Italy	10	8	8	7	8	9	9	11
Netherlands	22	16	18	17	18	6	5	8
Norway	36	25	21	20	18	18	18	18
Poland	23	17	14	14	14	18	21	22
Romania	13	11	10	11	9	9	8	9
Serbia	36	23	12	12	12	12	12	13
Slovakia	39	51	51	51	32	49	36	67
Slovenia	0	143	333	201	0	0	0	0
Spain	20	56	55	61	122	38	24	68
Turkey	9	9	17	18	18	15	13	15
Ukraine	57	54	51	49	47	47	48	52
United Kingdom	8	9	8	7	6	7	7	7

	2005	2010	2015	2016	2017	2018	2019	2020
Russia and Central Asia	69	79	94	93	87	82	79	87
Russia	75	73	82	81	75	70	67	71
Azerbaijan	92	32	35	36	60	77	80	89
Georgia	56	159	46	79	60	50	52	62
Kazakhstan	75	49	67	59	50	47	55	54
Kyrgyzstan	41	45	17	19	21	20	23	25
Tajikistan	39	46	128	164	443	826	826	
Turkmenistan	44	264	246	258	256	244	237	271
Uzbekistan	34	30	34	33	32	26	27	28

	2005	2010	2015	2016	2017	2018	2019	2020
Middle East	246	172	138	135	131	129	126	127
Bahrain	11	9	12	16	15	15	12	5
Iran	284	234	185	172	157	151	148	147
Iraq	1,833	648	478	526	454	332	320	301
Israel	29	69	30	61	60	59	65	62
Jordan	29	38	51	60	62	66	69	192
Kuwait	135	160	111	110	111	105	96	103
Oman	32	19	21	21	21	18	17	18
Qatar	553	202	142	139	138	139	137	138
Saudi Arabia	129	115	104	100	96	99	101	104
Syria	50	34	70	81	82	82	86	104
United Arab Emirates	130	126	107	106	120	135	117	124
Yemen		78	168	956	1,593	4,779	4,779	4,781

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2021) *Extended Balances* and other official data sources.
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Countries^(*)

(years)

	2005	2010	2015	2016	2017	2018	2019	2020
Africa	77	71	74	71	67	64	64	66
Algeria	51	54	54	48	47	47	51	50
Angola	437	441	421	271	77	65	53	44
Cameroon		514	319	297	266	99	67	66
Congo	5,836	1,295	571	499	474	417	296	296
Côte d'Ivoire	21	18	11	11	9	9	8	7
Egypt	39	41	57	55	44	37	34	36
Equatorial Guinea	27	13	8	6	5	6	7	7
Gabon	211	89	48	49	56	58	56	
Ghana			39	44	65	65	35	22
Libya	139	94	102	102	111	114	112	150
Morocco	76	57	13	14	14	13	11	12
Mozambique	28	24	16	16	39	39	39	41
Nigeria	224	165	127	137	131	131	131	131
Senegal	662	402	85	91	84	1,730	3,724	3,759
South Africa	14	8	2	2	3	2	2	2
Tanzania	72	49	44	46	53	55	41	41
Tunisia	16	18	22	25	26	27	30	30
Others Africa	0	44,800	5,597	1,233	1,798	2,892	2,743	2,808
	2005	2010	2015	2016	2017	2018	2019	2020
Asia - Pacific	37	33	30	28	26	25	23	21
Australia	67	73	47	40	31	27	23	22
Bangladesh	32	18	16	14	13	12	12	12
Brunei	29	25	24	24	21	20	23	23
China	35	24	21	21	19	18	17	16
India	39	24	43	43	42	43	47	51
Indonesia	35	35	38	38	38	36	39	22
Japan	12	10	11	10	9	10	11	9
Malaysia	36	39	42	37	36	33	31	34
Myanmar	57	61	28	20	19	20	18	20
New Zealand	17	12	12	10	11	12	12	12
Pakistan	24	20	17	18	23	18	16	16
Philippines	32	24	21	18	15	13	12	14
South Korea	6	5	15	19	8	10	12	16
Taiwan	8	13	8	9	11	14	17	26
Thailand	14	10	7	7	7	6	6	5
Vietnam	32	24	20	19	21	20	19	19
	2005	2010	2015	2016	2017	2018	2019	2020
Americas	17	20	17	17	20	19	17	18
Argentina	9	9	9	8	9	9	8	10
Bolivia	60	20	14	15	15	11	13	14
Brazil	27	27	18	15	13	14	14	14
Canada	9	13	13	12	11	10	11	12
Chile	7	5	6	4	4	4	3	3
Colombia	16	14	10	10	10	9	6	8
Cuba	25	14	8	7	8	9	9	9
Ecuador	28	14	17	16	17	20	22	22
Mexico	9	7	6	6	6	6	6	6
Peru	179	40	27	28	25	21	20	19
Trinidad and Tobago	17	9	8	9	9	9	8	10
United States	12	15	12	12	17	16	14	14
Venezuela	191	248	245	232	235	268	324	399

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Areas and Aggregates^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	653.68	658.44	526.19	552.48	575.78	569.51	572.35	557.68	-2.6%	-1.6%
Russia and Central Asia	492.46	549.35	512.17	526.08	543.54	608.22	600.17	582.52	-2.9%	0.6%
Middle East	248.61	361.50	455.40	473.94	490.55	500.12	516.36	515.91	-0.1%	3.6%
Africa	86.89	104.06	128.60	137.96	146.49	154.19	157.15	155.03	-1.3%	4.1%
Asia - Pacific	398.03	563.38	682.79	705.28	735.16	791.71	823.78	846.92	2.8%	4.2%
Americas	860.33	942.38	1,097.50	1,121.64	1,117.17	1,188.61	1,240.47	1,192.47	-3.9%	2.4%
- North America	684.28	734.75	851.24	879.75	878.32	942.88	999.25	957.84	-4.1%	2.7%
- Central South America	176.06	207.63	246.26	241.90	238.86	245.74	241.23	234.62	-2.7%	1.2%
World	2,740.00	3,179.10	3,402.64	3,517.39	3,608.70	3,812.36	3,910.29	3,850.52	-1.5%	1.9%
European Union	517.68	520.56	416.29	444.82	462.91	456.79	468.07	453.81	-3.0%	-1.4%
MENA	316.92	443.55	553.22	579.96	605.89	621.94	639.74	635.97	-0.6%	3.7%
OECD	1,417.11	1,538.78	1,600.42	1,659.66	1,679.20	1,748.92	1,806.90	1,776.84	-1.7%	1.4%
NON OECD	1,322.89	1,640.32	1,802.22	1,857.73	1,929.50	2,063.43	2,103.39	2,073.68	-1.4%	2.4%
OPEC	270.76	360.22	451.85	475.51	487.74	495.72	507.63	509.85	0.4%	3.5%
NON OPEC	2,469.24	2,818.88	2,950.79	3,041.88	3,120.96	3,316.63	3,402.65	3,340.67	-1.8%	1.7%

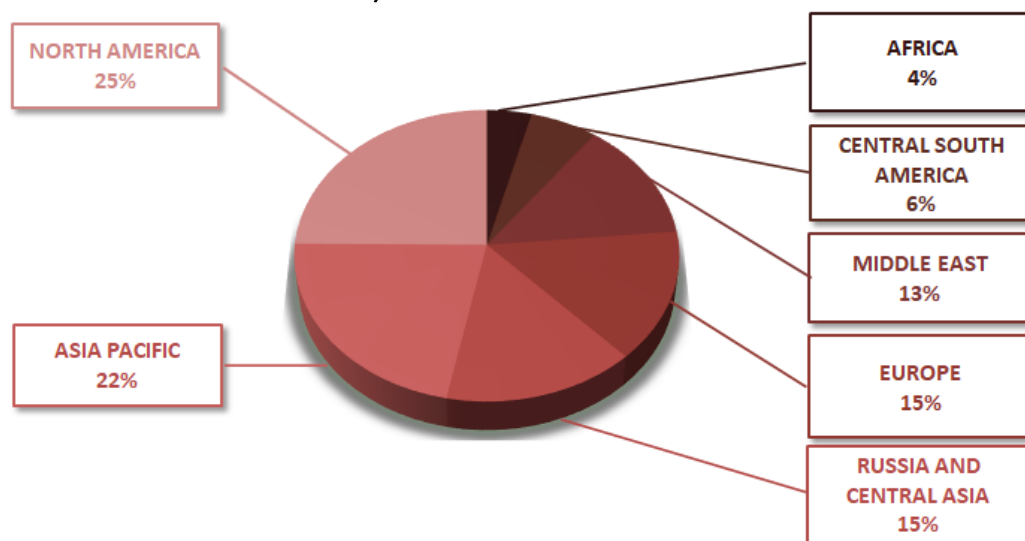
The World Top 10 Consumers^(**)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
United States	589.89	646.72	751.89	759.30	748.90	807.08	863.29	827.22	-4.2%	2.5%
Russia	406.67	446.06	423.63	431.84	447.71	497.85	486.17	470.45	-3.2%	0.5%
China	45.11	103.95	184.44	198.61	227.01	265.92	288.63	307.52	6.5%	11.5%
Iran	97.50	142.06	180.63	193.48	205.47	212.58	214.96	221.32	3.0%	4.5%
Canada	94.39	88.03	99.36	120.44	129.42	135.80	135.96	130.62	-3.9%	4.0%
Japan	82.17	99.88	116.55	118.27	117.34	113.24	107.09	112.61	5.2%	1.2%
Saudi Arabia	53.46	69.66	82.89	86.25	90.72	92.00	93.27	93.84	0.6%	3.0%
Mexico	53.62	63.08	75.20	76.97	72.80	84.31	79.84	93.13	16.6%	4.0%
Germany	90.46	88.28	75.77	81.79	87.62	85.54	87.95	86.63	-1.5%	-0.2%
United Kingdom	99.40	98.64	71.97	80.41	78.24	79.17	77.73	74.20	-4.5%	-2.8%
The World Top 10	1,612.67	1,846.37	2,062.32	2,147.37	2,205.23	2,373.49	2,434.88	2,417.54	-0.7%	2.7%
Rest of the World	1,127.32	1,332.73	1,340.32	1,370.02	1,403.47	1,438.87	1,475.41	1,432.98	-2.9%	0.7%
World	2,740.00	3,179.10	3,402.64	3,517.39	3,608.70	3,812.36	3,910.29	3,850.52	-1.5%	1.9%

World Natural Gas Consumption (2020)

3,850.52 billion cubic metres



^(*) Data source: Eni's calculations. The original data are from IEA (2021) *Extended Balances* and, for Italy, from Italian Ministry for Ecological Transition. 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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	653.68	658.44	526.19	552.48	575.78	569.51	572.35	557.68	-2.6%	-1.6%
Albania	0.01	0.01	0.03	0.04	0.04	0.04	0.07	0.05	-23.1%	14.4%
Austria	9.40	9.45	8.03	8.42	9.04	8.56	8.93	8.49	-4.9%	-1.1%
Belarus	19.67	21.06	18.41	18.30	18.73	19.87	18.99	17.60	-7.3%	-1.8%
Belgium	17.14	19.48	16.22	16.55	16.92	17.46	17.68	17.61	-0.4%	-1.0%
Bosnia Herzegovina	0.35	0.23	0.21	0.21	0.23	0.23	0.22	0.17	-20.6%	-2.9%
Bulgaria	3.26	2.68	3.02	3.12	3.21	3.04	2.84	2.92	2.7%	0.9%
Croatia	2.76	3.06	2.42	2.52	2.90	2.67	2.80	2.81	0.3%	-0.9%
Czech Republic	8.96	9.38	7.54	8.16	8.37	7.93	8.32	8.46	1.7%	-1.0%
Denmark	5.12	5.14	3.36	3.39	3.23	3.15	2.98	2.41	-19.0%	-7.3%
Estonia	0.93	0.65	0.45	0.50	0.47	0.48	0.44	0.40	-8.5%	-4.7%
Finland	4.19	4.46	2.60	2.39	2.25	2.53	2.47	2.44	-1.4%	-5.9%
France	47.71	49.56	40.75	44.53	44.77	42.84	43.66	40.66	-6.9%	-2.0%
Germany	90.46	88.28	75.77	81.79	87.62	85.54	87.95	86.63	-1.5%	-0.2%
Greece	2.74	3.76	3.11	4.06	4.89	4.79	5.22	5.73	9.8%	4.3%
Hungary	14.07	11.42	8.71	9.34	9.93	9.62	9.84	10.18	3.4%	-1.1%
Ireland	4.07	5.47	4.37	4.94	5.02	5.22	5.30	5.30	-0.1%	-0.3%
Italy	82.17	79.15	64.32	67.55	71.58	69.21	70.93	67.70	-4.6%	-1.6%
Latvia	1.58	1.70	1.28	1.29	1.15	1.36	1.28	1.06	-17.5%	-4.6%
Lithuania	2.88	2.90	2.40	2.14	2.23	2.07	2.17	2.29	5.8%	-2.3%
Luxembourg	1.37	1.39	0.89	0.82	0.81	0.80	0.80	0.72	-9.2%	-6.3%
Malta	0.00	0.00	0.00	0.00	0.28	0.34	0.36	0.37	3.9%	
Moldova	2.78	2.69	2.48	2.50	2.30	2.49	2.55	3.47	36.1%	2.6%
Netherlands	41.08	46.60	33.30	34.93	36.10	35.74	37.27	36.56	-1.9%	-2.4%
North Macedonia	0.07	0.11	0.13	0.20	0.26	0.24	0.28	0.32	14.2%	11.3%
Norway	4.74	7.34	7.14	6.45	5.35	6.41	6.17	5.38	-12.9%	-3.1%
Poland	14.23	14.89	16.02	17.02	17.96	18.75	19.68	19.87	1.0%	2.9%
Portugal	4.36	5.22	4.71	5.03	6.30	5.84	6.14	6.02	-2.1%	1.4%
Romania	16.19	12.55	10.37	10.49	11.18	11.45	10.63	11.46	7.8%	-0.9%
Serbia	2.26	2.16	2.04	2.20	2.46	2.48	2.32	2.30	-0.9%	0.6%
Slovakia	6.84	5.82	4.51	4.53	4.81	4.74	4.75	4.74	-0.3%	-2.0%
Slovenia	1.08	1.00	0.77	0.82	0.86	0.84	0.85	0.86	0.2%	-1.6%
Spain	34.71	36.20	28.54	29.12	31.71	31.50	35.93	32.46	-9.7%	-1.1%
Sweden	0.98	1.70	0.84	0.95	1.07	1.16	1.10	1.46	32.9%	-1.6%
Switzerland	3.24	3.50	3.32	3.48	3.50	3.32	3.41	3.31	-2.7%	-0.5%
Turkey	26.51	36.51	45.80	44.50	51.44	47.70	43.08	45.96	6.7%	2.3%
Ukraine	76.37	64.26	30.33	29.77	28.56	29.93	27.19	25.30	-6.9%	-8.9%
United Kingdom	99.40	98.64	71.97	80.41	78.24	79.17	77.73	74.20	-4.5%	-2.8%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	492.46	549.35	512.17	526.08	543.54	608.22	600.17	582.52	-2.9%	0.6%
Russia	406.67	446.06	423.63	431.84	447.71	497.85	486.17	470.45	-3.2%	0.5%
Armenia	1.56	1.50	2.25	2.15	2.27	2.38	2.48	2.51	1.0%	5.3%
Azerbaijan	9.42	9.13	11.15	10.93	10.62	10.82	12.26	12.36	0.8%	3.1%
Georgia	1.23	1.18	2.41	2.27	2.39	2.38	2.70	2.53	-6.0%	7.9%
Kazakhstan	14.49	25.95	12.34	16.64	16.28	21.66	23.40	21.24	-9.2%	-2.0%
Kyrgyzstan	0.72	0.29	0.27	0.28	0.30	0.33	0.31	0.31	-0.7%	0.9%
Tajikistan	0.62	0.19	0.00	0.00	0.00	0.06	0.23	0.00	-100.0%	-100.0%
Turkmenistan	15.16	20.17	24.83	24.83	24.83	24.83	25.66	29.42	14.6%	3.8%
Uzbekistan	42.59	44.88	35.30	37.14	39.16	47.93	46.95	43.69	-7.0%	-0.3%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	248.61	361.50	455.40	473.94	490.55	500.12	516.36	515.91	-0.1%	3.6%
Bahrain	9.71	12.29	14.15	13.99	14.01	14.18	15.66	15.81	1.0%	2.6%
Iran	97.50	142.06	180.63	193.48	205.47	212.58	214.96	221.32	3.0%	4.5%
Iraq	1.73	4.87	6.60	7.26	9.77	15.49	17.41	17.73	1.9%	13.8%
Israel	1.53	5.12	7.01	7.97	8.48	9.09	9.13	9.55	4.6%	6.4%
Jordan	1.61	2.66	2.26	3.94	4.08	4.00	3.99	2.26	-43.5%	-1.6%
Kuwait	11.69	13.79	19.86	20.97	21.31	21.74	23.51	22.99	-2.2%	5.2%
Lebanon	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
Oman	8.65	17.33	24.52	24.62	24.14	26.48	26.60	26.25	-1.3%	4.2%
Qatar	16.02	26.03	42.54	41.06	44.26	44.29	44.43	42.19	-5.0%	4.9%
Saudi Arabia	53.46	69.66	82.89	86.25	90.72	92.00	93.27	93.84	0.6%	3.0%
Syria	5.75	9.08	4.05	3.53	3.49	3.47	3.33	2.74	-17.6%	-11.3%
United Arab Emirates	40.96	57.39	69.94	70.36	64.52	56.71	63.96	61.12	-4.4%	0.6%
Yemen	0.00	0.95	0.96	0.50	0.30	0.10	0.10	0.10	0.0%	-20.2%

^(*) Data source: the original data are from IEA (2021) *Extended Balances* and, for Italy, from Italian Ministry for Ecological Transition. All rights reserved.

Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

Countries^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	86.89	104.06	128.60	137.96	146.49	154.19	157.15	155.03	-1.3%	4.1%
Algeria	23.87	27.12	40.03	40.31	41.75	45.24	46.67	50.47	8.1%	6.4%
Angola	0.62	0.70	0.73	0.76	0.80	0.82	1.24	1.17	-5.6%	5.2%
Cameroon	0.00	0.30	0.48	0.51	0.57	0.74	0.67	0.68	0.4%	8.4%
Congo	0.02	0.10	0.50	0.57	0.60	0.68	0.96	0.96	0.0%	25.6%
Côte d'Ivoire	1.46	1.54	1.96	1.97	2.19	2.03	2.16	2.49	15.2%	4.9%
Dem. Rep. Congo	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
Egypt	34.87	41.65	42.77	48.22	56.84	60.20	61.25	56.94	-7.0%	3.2%
Equatorial Guinea	2.21	2.99	2.11	2.51	2.33	2.46	1.77	1.28	-27.3%	-8.1%
Gabon	0.14	0.31	0.52	0.52	0.46	0.45	0.47	0.00	-100.0%	-100.0%
Ghana	0.00	0.41	1.24	0.72	1.20	1.53	2.17	3.15	45.7%	22.6%
Libya	5.54	6.71	7.96	10.23	9.22	8.91	8.07	5.80	-28.1%	-1.4%
Morocco	0.44	0.66	1.18	1.20	1.19	1.07	1.02	0.79	-22.2%	1.8%
Mozambique	0.02	0.08	0.86	0.91	0.82	0.82	0.88	0.73	-16.9%	24.9%
Nigeria	10.48	10.26	16.49	17.50	16.47	17.45	17.84	18.96	6.3%	6.3%
Senegal	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	-0.9%	-5.5%
South Africa	3.21	4.51	4.99	5.09	4.92	4.63	4.63	4.56	-1.4%	0.1%
Tanzania	0.39	0.75	0.85	0.81	0.75	0.72	0.95	0.95	0.0%	2.4%
Tunisia	3.60	5.91	5.88	6.06	6.32	6.39	6.38	6.06	-5.0%	0.2%
Others Africa	0.00	0.00	0.01	0.03	0.02	0.02	0.02	0.02	-1.4%	21.8%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	398.03	563.38	682.79	705.28	735.16	791.71	823.78	846.92	2.8%	4.2%
Australia	22.06	31.84	38.53	35.60	36.38	37.86	39.87	44.58	11.8%	3.4%
Bangladesh	12.57	19.34	24.58	26.87	26.83	26.76	29.67	30.42	2.5%	4.6%
Brunei	2.14	3.11	2.49	2.71	3.43	3.45	3.03	3.18	4.7%	0.2%
China	45.11	103.95	184.44	198.61	227.01	265.92	288.63	307.52	6.5%	11.5%
Hong Kong	2.55	3.64	3.09	3.17	3.16	3.06	3.16	5.01	58.7%	3.2%
India	37.00	63.27	52.48	55.80	59.34	60.95	64.53	62.92	-2.5%	-0.1%
Indonesia	34.04	45.15	44.04	45.46	45.06	45.28	45.60	41.48	-9.0%	-0.8%
Japan	82.17	99.88	116.55	118.27	117.34	113.24	107.09	112.61	5.2%	1.2%
Malaysia	37.07	36.28	43.66	41.59	37.46	45.11	45.88	44.14	-3.8%	2.0%
Myanmar	2.66	1.49	3.52	4.10	4.23	3.76	4.06	3.70	-8.9%	9.5%
New Zealand	3.75	4.34	4.76	4.90	4.94	4.48	4.65	4.51	-3.0%	0.4%
Pakistan	29.82	31.40	30.89	31.05	30.28	36.87	39.60	37.56	-5.1%	1.8%
Philippines	3.14	3.55	3.34	3.83	3.78	4.22	4.25	3.87	-9.0%	0.9%
Singapore	5.83	7.55	9.94	10.19	10.24	10.46	10.62	12.06	13.6%	4.8%
South Korea	31.84	44.93	45.76	48.05	50.26	55.27	56.84	57.49	1.2%	2.5%
Taiwan	10.35	15.42	20.12	21.03	23.12	23.34	22.99	24.83	8.0%	4.9%
Thailand	30.16	38.34	43.90	42.96	41.88	41.30	42.61	40.26	-5.5%	0.5%
Vietnam	5.46	9.45	10.21	10.49	9.62	9.67	9.93	9.84	-0.9%	0.4%
Others Asia - Pacific	0.32	0.44	0.51	0.61	0.80	0.72	0.76	0.94	23.7%	7.9%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	860.33	942.38	1,097.50	1,121.64	1,117.17	1,188.61	1,240.47	1,192.47	-3.9%	2.4%
Argentina	41.46	43.26	49.89	50.47	51.55	50.62	49.71	46.56	-6.3%	0.7%
Bolivia	1.88	3.12	4.18	4.65	4.69	4.75	4.51	3.64	-19.1%	1.6%
Brazil	20.55	28.28	43.25	36.67	38.87	36.63	37.04	34.96	-5.6%	2.1%
Canada	94.39	88.03	99.36	120.44	129.42	135.80	135.96	130.62	-3.9%	4.0%
Chile	7.91	5.20	4.63	5.06	5.05	5.07	6.12	6.21	1.4%	1.8%
Colombia	7.12	9.57	11.74	11.15	11.42	11.92	13.91	9.79	-29.6%	0.2%
Cuba	0.69	0.99	1.15	1.10	0.97	0.90	0.88	0.88	0.0%	-1.2%
Dominican Republic	0.20	0.79	1.09	1.03	1.18	1.18	1.26	1.25	-0.1%	4.8%
Ecuador	0.32	0.49	0.65	0.70	0.63	0.55	0.48	0.48	0.0%	-0.2%
Jamaica	0.00	0.00	0.00	0.04	0.19	0.24	0.27	0.88	225.4%	
Mexico	53.62	63.08	75.20	76.97	72.80	84.31	79.84	93.13	16.6%	4.0%
Panama	0.00	0.00	0.00	0.00	0.00	0.26	0.80	0.34	-57.3%	
Peru	1.89	6.39	9.17	9.65	8.16	8.44	8.85	7.04	-20.5%	1.0%
Trinidad and Tobago	17.10	21.35	20.16	17.89	17.57	18.18	18.51	14.40	-22.2%	-3.9%
United States	589.89	646.72	751.89	759.30	748.90	807.08	863.29	827.22	-4.2%	2.5%
Uruguay	0.10	0.07	0.05	0.06	0.07	0.06	0.09	0.07	-27.2%	-0.9%
Venezuela	22.53	24.23	23.60	24.78	24.30	21.19	17.52	14.22	-18.8%	-5.2%
Others Americas	0.69	0.80	1.48	1.68	1.39	1.43	1.43	0.76	-46.5%	-0.4%

^(*) Data source: the original data are from IEA (2021) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

Areas and Aggregates^(*)

(cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	1,001	990	778	814	846	834	836	813
Russia and Central Asia	2,261	2,471	2,226	2,271	2,331	2,592	2,542	2,454
Middle East	1,329	1,704	1,933	1,977	2,012	2,018	2,048	2,015
Africa	123	130	142	148	154	158	157	151
Asia - Pacific	111	149	172	176	182	194	201	205
Americas	1,033	1,074	1,194	1,210	1,195	1,261	1,306	1,247
- North America	2,082	2,138	2,379	2,438	2,417	2,577	2,716	2,592
- Central South America	376	409	453	439	428	435	422	406
World	443	485	491	502	509	532	541	527
European Union	1,048	1,036	819	873	907	893	914	885
MENA	926	1,167	1,317	1,356	1,392	1,405	1,420	1,389
OECD	1,142	1,196	1,205	1,241	1,248	1,293	1,329	1,302
NON OECD	268	311	321	327	336	355	358	349
OPEC	759	897	1,000	1,030	1,035	1,031	1,035	1,019
NON OPEC	424	458	455	464	472	497	505	491

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

(cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Canada	2,931	2,592	2,785	3,341	3,546	3,670	3,622	3,440
Russia	2,831	3,109	2,922	2,973	3,076	3,416	3,333	3,224
Saudi Arabia	2,245	2,540	2,613	2,659	2,741	2,730	2,722	2,695
Iran	1,398	1,926	2,301	2,432	2,547	2,599	2,593	2,635
United States	1,990	2,089	2,334	2,338	2,290	2,454	2,613	2,495
United Kingdom	1,649	1,554	1,093	1,213	1,173	1,179	1,151	1,093
Germany	1,109	1,092	926	995	1,060	1,029	1,053	1,034
Japan	640	777	911	926	920	890	844	890
Mexico	506	553	617	624	583	668	626	722
China	34	76	131	140	160	186	201	214

^(*) Data source: Eni calculations on IEA (2021) *Extended Balance*, Italian Ministry for Ecological Transition and IHS Global Insight data. All rights reserved.

Countries(*)

(cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	1,001	990	778	814	846	834	836	813
Albania	3	5	11	14	15	13	23	18
Austria	1,139	1,123	926	963	1,025	963	997	943
Belarus	2,057	2,235	1,951	1,938	1,982	2,102	2,009	1,863
Belgium	1,626	1,780	1,437	1,457	1,481	1,521	1,532	1,519
Bosnia Herzegovina	93	63	60	63	69	70	66	53
Bulgaria	424	360	419	437	452	431	406	420
Croatia	630	707	572	600	693	641	677	684
Czech Republic	873	891	711	768	787	744	779	790
Denmark	944	926	590	593	564	547	516	416
Estonia	686	491	345	378	358	364	334	305
Finland	798	832	474	435	408	457	447	440
France	781	788	632	689	690	659	670	623
Germany	1,109	1,092	926	995	1,060	1,029	1,053	1,034
Greece	244	346	292	382	463	455	498	550
Hungary	1,395	1,150	891	957	1,021	991	1,016	1,054
Ireland	982	1,201	940	1,052	1,055	1,083	1,086	1,073
Italy	1,410	1,334	1,062	1,113	1,180	1,142	1,171	1,120
Latvia	701	802	639	656	592	705	673	561
Lithuania	861	928	820	741	785	737	786	842
Luxembourg	2,988	2,740	1,578	1,424	1,362	1,316	1,292	1,154
Malta	0	0	0	0	611	716	732	743
Moldova	772	755	697	703	647	701	720	981
Netherlands	2,510	2,793	1,966	2,057	2,121	2,095	2,180	2,134
North Macedonia	36	53	63	98	126	117	136	156
Norway	1,022	1,503	1,374	1,228	1,009	1,200	1,148	991
Poland	371	389	421	448	473	495	520	525
Portugal	415	493	454	487	612	570	601	590
Romania	756	613	520	530	569	587	549	596
Serbia	304	296	287	312	351	355	334	332
Slovakia	1,267	1,077	830	832	883	870	871	868
Slovenia	541	491	373	395	414	406	411	411
Spain	788	771	611	624	680	675	769	694
Sweden	108	182	86	97	108	117	109	144
Switzerland	438	448	400	416	414	389	396	383
Turkey	390	505	583	557	634	579	516	545
Ukraine	1,632	1,408	677	667	643	678	619	579
United Kingdom	1,649	1,554	1,093	1,213	1,173	1,179	1,151	1,093
	2005	2010	2015	2016	2017	2018	2019	2020
Russia and Central Asia	2,261	2,471	2,226	2,271	2,331	2,592	2,542	2,454
Russia	2,831	3,109	2,922	2,973	3,076	3,416	3,333	3,224
Armenia	522	522	769	733	770	805	840	846
Azerbaijan	1,103	1,011	1,158	1,123	1,078	1,087	1,220	1,219
Georgia	293	288	600	565	596	594	674	635
Kazakhstan	941	1,597	702	933	901	1,182	1,261	1,131
Kyrgyzstan	141	53	45	46	48	52	49	48
Tajikistan	92	25	0	0	0	6	24	0
Turkmenistan	3,188	3,964	4,462	4,385	4,313	4,244	4,319	4,878
Uzbekistan	1,612	1,574	1,141	1,181	1,225	1,476	1,424	1,305

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Countries^(*)

(cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Middle East	1,329	1,704	1,933	1,977	2,012	2,018	2,048	2,015
Bahrain	10,926	9,906	10,311	9,814	9,377	9,032	9,544	9,294
Iran	1,398	1,926	2,301	2,432	2,547	2,599	2,593	2,635
Iraq	64	164	186	198	260	403	443	441
Israel	234	697	878	983	1,029	1,084	1,072	1,104
Jordan	280	397	237	402	406	388	378	210
Kuwait	5,147	4,610	5,177	5,299	5,253	5,254	5,589	5,384
Lebanon	0	50	0	0	0	0	0	0
Oman	3,446	5,699	5,746	5,496	5,173	5,484	5,347	5,428
Qatar	18,508	14,021	16,580	15,468	16,243	15,921	15,689	15,149
Saudi Arabia	2,245	2,540	2,613	2,659	2,741	2,730	2,722	2,695
Syria	313	425	225	202	204	205	195	157
United Arab Emirates	8,928	6,713	7,550	7,517	6,801	5,888	6,546	6,179
Yemen	0	41	36	18	11	4	3	3

	2005	2010	2015	2016	2017	2018	2019	2020
Africa	123	130	142	148	154	158	157	151
Algeria	720	754	1,008	994	1,009	1,071	1,084	1,151
Angola	32	30	26	26	27	27	39	35
Cameroon	0	15	21	21	23	29	26	26
Congo	6	23	103	115	118	130	178	174
Côte d'Ivoire	79	75	84	83	90	81	84	94
Egypt	462	503	463	511	589	612	610	556
Equatorial Guinea	2,955	3,170	1,809	2,068	1,844	1,882	1,302	915
Gabon	103	202	296	290	251	239	244	0
Ghana	0	17	45	25	41	51	71	102
Libya	955	1,082	1,241	1,576	1,402	1,334	1,190	844
Morocco	14	20	34	34	34	30	28	21
Mozambique	1	3	32	33	29	28	29	23
Nigeria	76	65	91	94	86	89	89	92
Senegal	1	2	2	1	2	1	1	1
South Africa	67	88	90	91	86	80	79	77
Tanzania	10	17	17	15	14	13	16	16
Tunisia	356	556	526	536	553	553	546	513
Others Africa	0	0	0	0	0	0	0	0

^(*) Data source: Eni calculations on IEA (2021) *Extended Balances* and IHS Global Insight data. All right reserved.

Countries^(*)

(cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Asia - Pacific	111	149	172	176	182	194	201	205
Australia	1,093	1,437	1,610	1,467	1,480	1,520	1,582	1,748
Bangladesh	90	131	157	170	168	166	182	185
Brunei	5,856	8,012	5,991	6,465	8,073	8,034	7,004	7,261
China	34	76	131	140	160	186	201	214
Hong Kong	376	523	429	437	432	415	425	668
India	32	51	40	42	44	45	47	46
Indonesia	150	187	170	174	170	169	169	152
Japan	640	777	911	926	920	890	844	890
Malaysia	1,443	1,286	1,442	1,355	1,204	1,431	1,436	1,364
Myanmar	54	30	67	77	79	70	75	68
New Zealand	908	992	1,031	1,051	1,050	944	973	936
Pakistan	186	175	155	152	146	174	183	170
Philippines	36	38	33	37	36	40	39	35
Singapore	1,367	1,472	1,777	1,802	1,794	1,817	1,830	2,062
South Korea	654	907	900	942	984	1,080	1,110	1,121
Taiwan	458	667	857	893	979	985	968	1,043
Thailand	461	571	639	623	605	595	612	577
Vietnam	65	107	110	112	102	101	103	101
Others Asia - Pacific	9	11	11	12	16	14	15	18

	2005	2010	2015	2016	2017	2018	2019	2020
Americas	1,033	1,074	1,194	1,210	1,195	1,261	1,306	1,247
Argentina	1,066	1,058	1,158	1,160	1,173	1,141	1,110	1,030
Bolivia	204	311	385	422	419	418	391	312
Brazil	110	145	212	178	187	175	175	164
Canada	2,931	2,592	2,785	3,341	3,546	3,670	3,622	3,440
Chile	489	305	258	278	274	271	323	325
Colombia	167	212	247	231	233	240	276	192
Cuba	61	88	102	97	86	79	78	78
Dominican Republic	22	81	106	99	112	111	117	116
Ecuador	23	33	40	43	38	32	28	27
Jamaica	0	0	0	15	65	83	92	298
Mexico	506	553	617	624	583	668	626	722
Panama	0	0	0	0	0	62	189	79
Peru	68	220	301	312	260	264	272	213
Trinidad and Tobago	13,188	16,074	14,710	12,987	12,696	13,081	13,267	10,289
United States	1,990	2,089	2,334	2,338	2,290	2,454	2,613	2,495
Uruguay	31	22	16	18	20	19	27	20
Venezuela	852	852	784	830	827	734	614	500
Others Americas	114	131	274	316	267	280	285	154

^(*) Data source: Eni calculations on IEA (2021) *Extended Balances* and IHS Global Insight data. All right reserved.

Natural Gas - Supply and Demand Production/Consumption Ratio

Areas and Aggregates^(*)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	0.50	0.48	0.50	0.48	0.46	0.45	0.42	0.39
Russia and Central Asia	1.49	1.41	1.53	1.52	1.57	1.48	1.55	1.52
Middle East	1.19	1.27	1.26	1.26	1.25	1.25	1.25	1.25
Africa	2.12	1.95	1.53	1.53	1.56	1.56	1.54	1.52
Asia - Pacific	0.91	0.84	0.75	0.75	0.75	0.74	0.75	0.74
Americas	0.99	0.99	1.02	1.00	1.02	1.02	1.06	1.06
- North America	0.98	0.99	1.06	1.03	1.06	1.07	1.12	1.14
- Central South America	1.02	1.00	0.87	0.86	0.86	0.83	0.84	0.76
World	1.00	0.99	1.01	1.00	1.01	1.00	1.02	1.01
European Union	0.43	0.36	0.30	0.28	0.26	0.24	0.21	0.19
MENA	1.41	1.39	1.29	1.29	1.28	1.28	1.27	1.27
OECD	0.75	0.73	0.79	0.77	0.78	0.80	0.83	0.83
NON OECD	1.28	1.24	1.22	1.21	1.21	1.17	1.18	1.16
OPEC	1.33	1.21	1.14	1.15	1.17	1.17	1.15	1.13
NON OPEC	0.97	0.96	0.99	0.98	0.99	0.98	1.00	0.99

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

	2005	2010	2015	2016	2017	2018	2019	2020
Norway	18.43	15.00	16.75	18.46	23.65	19.38	19.00	21.21
Qatar	2.89	4.79	4.01	4.21	3.89	3.87	3.90	4.11
Australia	1.65	1.62	1.76	2.26	2.82	3.11	3.44	3.32
Algeria	3.68	3.09	2.08	2.32	2.28	2.12	1.91	1.80
Russia	1.48	1.41	1.44	1.45	1.51	1.42	1.51	1.47
Canada	1.91	1.71	1.63	1.49	1.44	1.41	1.35	1.38
United States	0.83	0.89	0.98	0.96	1.00	1.01	1.08	1.10
Iran	1.00	1.00	1.00	1.02	1.04	1.05	1.06	1.05
Saudi Arabia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
China	1.06	0.90	0.71	0.67	0.63	0.59	0.59	0.60

^(*) Data source: Eni calculations on IEA (2021) *Extended Balances* and, for Italy, on Ministry for Ecological Transition data. All rights reserved.

Countries^(*)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	0.50	0.48	0.50	0.48	0.46	0.45	0.42	0.39
Albania	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Austria	0.16	0.17	0.15	0.13	0.13	0.12	0.10	0.09
Belarus	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bulgaria	0.14	0.03	0.03	0.03	0.02	0.01	0.01	0.02
Croatia	0.79	0.84	0.71	0.63	0.49	0.44	0.35	0.29
Czech Republic	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02
Denmark	2.13	1.66	1.44	1.39	1.56	1.37	1.08	0.57
France	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Germany	0.18	0.15	0.10	0.09	0.08	0.06	0.06	0.05
Greece	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hungary	0.19	0.23	0.18	0.18	0.17	0.18	0.16	0.15
Ireland	0.14	0.05	0.03	0.59	0.66	0.61	0.47	0.36
Italy	0.14	0.10	0.10	0.08	0.07	0.07	0.07	0.06
Netherlands	1.59	1.62	1.38	1.27	1.05	0.90	0.75	0.55
Norway	18.43	15.00	16.75	18.46	23.65	19.38	19.00	21.21
Poland	0.32	0.29	0.27	0.24	0.23	0.22	0.20	0.20
Romania	0.70	0.80	0.99	0.86	0.89	0.86	0.90	0.76
Serbia	0.12	0.17	0.26	0.22	0.18	0.17	0.18	0.16
Slovakia	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.01
Slovenia	0.00	0.01	0.00	0.01	0.01	0.02	0.01	0.01
Turkey	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Ukraine	0.24	0.28	0.57	0.59	0.63	0.64	0.70	0.69
United Kingdom	0.93	0.59	0.56	0.52	0.53	0.51	0.51	0.53

	2005	2010	2015	2016	2017	2018	2019	2020
Russia and Central Asia	1.49	1.41	1.53	1.52	1.57	1.48	1.55	1.52
Russia	1.48	1.41	1.44	1.45	1.51	1.42	1.51	1.47
Azerbaijan	0.57	1.78	1.69	1.67	1.67	1.73	1.95	2.09
Georgia	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Kazakhstan	1.27	1.10	2.20	1.86	2.23	1.81	1.43	1.59
Kyrgyzstan	0.03	0.08	0.11	0.09	0.08	0.08	0.07	0.06
Tajikistan	0.04	0.12	1.00	1.00	1.00	0.01	0.00	
Turkmenistan	3.94	2.13	3.19	3.04	3.07	3.22	3.20	2.79
Uzbekistan	1.21	1.25	1.31	1.28	1.23	1.22	1.22	1.25

^(*) Data source: Eni calculations on IEA (2021) *Extended Balances* and, for Italy, on Ministry for Ecological Transition data. All rights reserved.

Natural Gas - Supply and Demand Production/Consumption Ratio

Countries^(*)

	2005	2010	2015	2016	2017	2018	2019	2020
Africa	2.12	1.95	1.53	1.53	1.56	1.56	1.54	1.52
Algeria	3.68	3.09	2.08	2.32	2.28	2.12	1.91	1.80
Angola	1.00	1.00	1.00	2.14	6.90	7.20	5.23	5.93
Cameroon		1.00	1.00	1.00	1.00	2.05	3.32	3.34
Congo	1.00	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	1.42	1.30	0.85	0.84	0.89	0.99	1.08	1.08
Equatorial Guinea	1.51	2.08	3.34	2.98	3.36	2.99	3.35	4.06
Gabon	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	0.72	0.80
Libya	1.94	2.38	1.85	1.45	1.47	1.48	1.67	1.73
Morocco	0.09	0.08	0.07	0.06	0.06	0.07	0.09	0.11
Mozambique	104.68	39.54	5.48	5.30	5.85	5.84	5.41	6.24
Nigeria	2.19	3.01	2.52	2.29	2.60	2.49	2.46	2.36
Senegal	1.00	1.02	1.00	1.00	1.00	1.00	1.00	1.00
South Africa	0.65	0.33	0.22	0.20	0.17	0.21	0.24	0.24
Tanzania	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Tunisia	0.64	0.61	0.50	0.44	0.39	0.37	0.34	0.35
Others Africa	0.29	0.20	0.70	0.91	0.88	0.88	0.88	0.87

	2005	2010	2015	2016	2017	2018	2019	2020
Middle East	1.19	1.27	1.26	1.26	1.25	1.25	1.25	1.25
Bahrain	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Iran	1.00	1.00	1.00	1.02	1.04	1.05	1.06	1.05
Iraq	1.00	1.00	1.00	1.00	0.84	0.72	0.67	0.69
Israel	1.00	0.61	0.98	0.96	0.96	0.92	0.92	0.92
Jordan	0.13	0.06	0.05	0.03	0.02	0.02	0.02	0.01
Kuwait	1.00	0.81	0.81	0.77	0.75	0.78	0.79	0.75
Oman	2.41	1.59	1.34	1.36	1.40	1.44	1.45	1.44
Qatar	2.89	4.79	4.01	4.21	3.89	3.87	3.90	4.11
Saudi Arabia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Syria	1.00	0.93	1.00	1.00	1.00	1.00	1.00	1.00
United Arab Emirates	1.14	0.84	0.81	0.82	0.79	0.80	0.81	0.80
Yemen		6.57	2.97	1.00	1.00	1.00	1.00	1.00

^(*) Data source: Eni calculations on IEA (2021) *Extended Balances* data. All rights reserved.

Natural Gas - Supply and Demand Production/Consumption Ratio

Countries ^(*)								
	2005	2010	2015	2016	2017	2018	2019	2020
Asia - Pacific	0.91	0.84	0.75	0.75	0.75	0.74	0.75	0.74
Australia	1.65	1.62	1.76	2.26	2.82	3.11	3.44	3.32
Bangladesh	1.00	1.00	1.00	1.00	1.00	1.00	0.89	0.82
Brunei	5.44	3.84	4.40	3.89	3.38	3.60	3.51	3.26
China	1.06	0.90	0.71	0.67	0.63	0.59	0.59	0.60
India	0.82	0.79	0.58	0.54	0.52	0.51	0.46	0.44
Indonesia	2.24	1.93	1.73	1.65	1.61	1.61	1.48	1.48
Japan	0.04	0.04	0.02	0.02	0.03	0.02	0.02	0.03
Malaysia	1.74	1.64	1.54	1.60	1.74	1.53	1.54	1.48
Myanmar	4.50	7.92	4.87	4.53	4.39	4.54	4.55	4.56
New Zealand	1.00	1.03	0.99	1.00	0.98	0.96	1.00	1.00
Pakistan	1.00	1.00	0.91	0.84	0.73	0.77	0.70	0.73
Philippines	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
South Korea	0.02	0.01	0.00	0.00	0.01	0.01	0.00	0.00
Taiwan	0.05	0.02	0.02	0.01	0.01	0.01	0.01	0.00
Thailand	0.71	0.75	0.68	0.68	0.66	0.64	0.66	0.63
Vietnam	1.28	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Others Asia - Pacific	1.00	13.95	20.51	15.35	11.21	12.16	11.50	12.09

	2005	2010	2015	2016	2017	2018	2019	2020
Americas	0.99	0.99	1.02	1.00	1.02	1.02	1.06	1.06
Argentina	1.12	0.93	0.78	0.79	0.79	0.82	0.87	0.85
Bolivia	6.33	4.60	5.03	4.33	4.17	3.84	3.55	3.90
Brazil	0.55	0.54	0.56	0.67	0.72	0.70	0.73	0.72
Canada	1.91	1.71	1.63	1.49	1.44	1.41	1.35	1.38
Chile	0.24	0.35	0.21	0.23	0.24	0.24	0.24	0.22
Colombia	1.00	1.15	1.03	1.00	1.00	1.00	1.00	0.96
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	1.00
Mexico	0.83	0.79	0.53	0.46	0.42	0.39	0.40	0.34
Peru	1.00	1.39	1.61	1.69	1.78	1.69	1.70	1.82
Trinidad and Tobago	1.80	1.95	1.85	1.81	1.85	1.93	1.92	2.03
United States	0.83	0.89	0.98	0.96	1.00	1.01	1.08	1.10
Venezuela	1.00	0.92	0.98	1.00	1.00	1.00	1.00	1.00
Others Americas	0.04	0.06	0.02	0.02	0.02	0.04	0.04	0.07

^(*) Data source: Eni calculations on IEA (2021) *Extended Balances* data. All rights reserved.

Natural Gas – Trade and Prices

Exports

Imports

Traded Gas

LNG – Liquefaction and Regasification Capacity

Natural Gas Balance – Italy

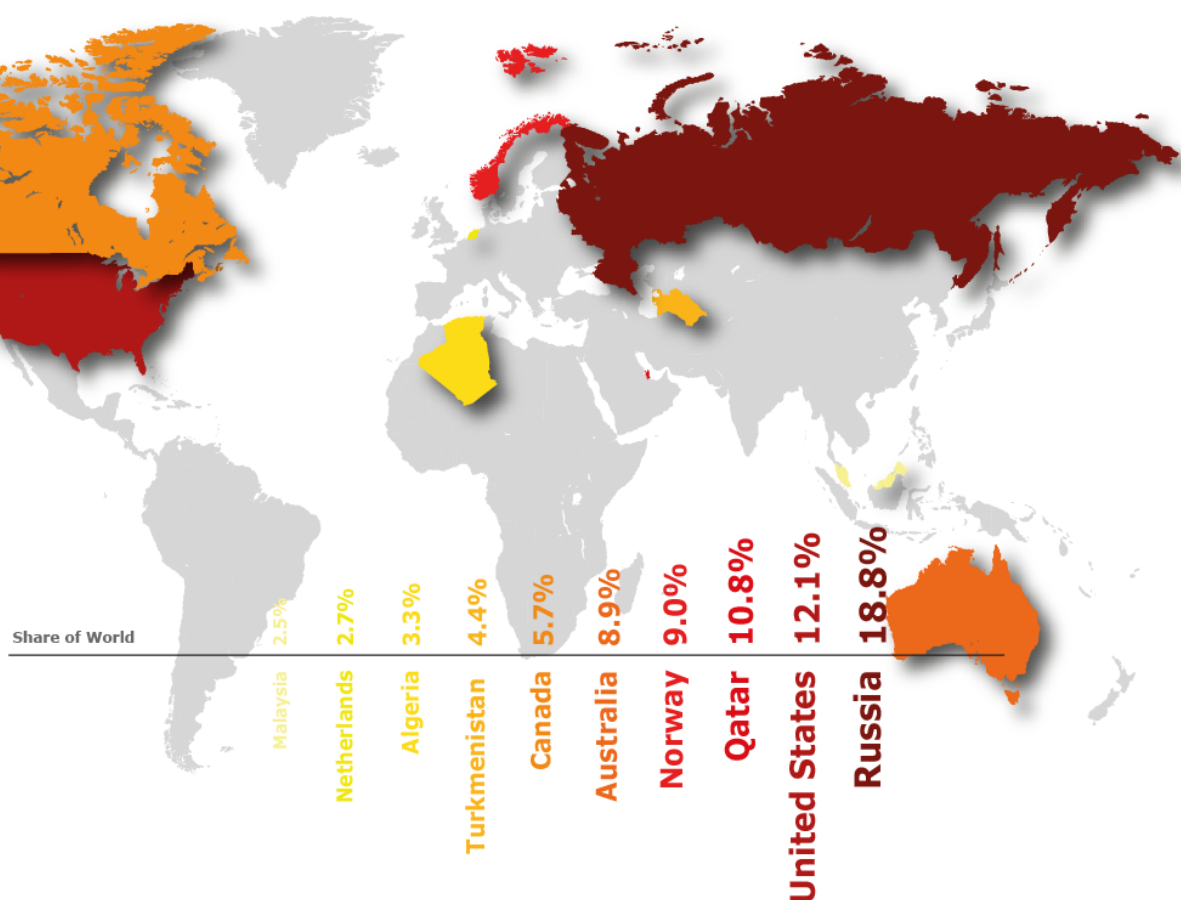
Natural Gas Prices

The World Top 10 Exporters^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia	194.71	179.31	191.86	203.66	218.13	234.27	248.35	228.22	-8.1%	2.4%
United States	19.42	30.42	47.33	61.26	86.57	98.58	127.49	147.23	15.5%	17.1%
Qatar	30.35	98.76	128.23	131.89	128.07	127.11	129.04	131.05	1.6%	2.9%
Norway	82.54	102.90	112.52	112.54	120.94	117.77	111.15	108.62	-2.3%	0.5%
Australia	14.40	24.33	34.15	50.47	71.45	84.50	102.35	107.77	5.3%	16.0%
Canada	101.65	92.05	76.37	82.63	83.47	78.22	75.13	69.55	-7.4%	-2.8%
Turkmenistan	44.52	22.74	54.45	50.73	51.42	55.15	56.46	52.78	-6.5%	8.8%
Algeria	64.07	56.58	43.03	53.38	53.42	50.86	42.31	40.18	-5.0%	-3.4%
Netherlands	43.47	49.61	46.21	49.91	46.78	45.40	39.73	33.32	-16.1%	-3.9%
Malaysia	28.89	31.20	32.70	32.91	35.91	31.78	33.40	30.72	-8.0%	-0.2%
The World Top 10	624.00	687.90	766.86	829.38	896.16	923.64	965.42	949.43	-1.7%	3.3%
Rest of the World	221.34	265.11	282.42	259.89	286.01	259.61	265.50	263.74	-0.7%	-0.1%
World	845.34	953.02	1,049.27	1,089.27	1,182.17	1,183.24	1,230.92	1,213.18	-1.4%	2.4%

The World Top 10 (2020)



^(*) Data source: the original data are from IEA (2021) *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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe										
Austria	1.03	4.74	5.59	6.69	5.26	5.04	2.71	9.68	256.7%	7.4%
Belgium	0.00	3.20	1.68	0.67	0.31	1.32	4.35	3.37	-22.6%	0.5%
Bulgaria	0.00	0.00	0.00	0.00	0.03	0.01	0.01	0.01	32.0%	
Croatia	0.42	0.46	0.35	0.38	0.19	0.11	0.07	0.11	64.1%	-13.0%
Czech Republic	0.08	0.15	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
Denmark	5.83	3.67	2.29	2.21	2.33	1.60	1.37	1.66	20.6%	-7.7%
France	1.05	2.97	5.66	3.88	6.31	6.19	11.26	9.50	-15.6%	12.3%
Germany	19.72	19.95	31.68	22.48	31.29	0.00	0.00	0.00		-100.0%
Greece	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	108.2%	
Hungary	0.00	0.22	0.53	1.04	3.42	4.85	6.78	4.14	-39.0%	34.3%
Italy	0.38	0.13	0.21	0.20	0.26	0.38	0.31	0.30	-2.8%	8.4%
Lithuania	0.00	0.00	0.09	0.04	0.20	0.18	0.50	0.50	-0.4%	
Netherlands	43.47	49.61	46.21	49.91	46.78	45.40	39.73	33.32	-16.1%	-3.9%
Norway	82.54	102.90	112.52	112.54	120.94	117.77	111.15	108.62	-2.3%	0.5%
Poland	0.04	0.04	0.05	0.83	1.18	0.66	0.67	1.35	99.7%	40.8%
Romania	0.00	0.00	0.00	0.00	0.02	0.03	0.01	0.14	1018.1%	
Slovakia	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Slovenia	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-100.0%	
Spain	0.00	1.17	5.12	4.03	2.91	3.29	1.14	1.20	5.9%	0.3%
Sweden	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	11.8%	
Turkey	0.00	0.62	0.60	0.65	0.60	0.64	0.73	0.65	-11.2%	0.4%
Ukraine	2.59	0.01	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
United Kingdom	8.66	15.14	13.80	10.30	11.20	7.46	7.87	9.53	21.1%	-4.5%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia										
Russia	194.71	179.31	191.86	203.66	218.13	234.27	248.35	228.22	-8.1%	2.4%
Azerbaijan	0.00	6.04	7.95	7.86	8.65	9.68	11.55	13.51	16.9%	8.4%
Georgia	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00		
Kazakhstan	15.05	6.08	20.11	21.50	26.22	26.79	26.25	27.35	4.2%	16.2%
Turkmenistan	44.52	22.74	54.45	50.73	51.42	55.15	56.46	52.78	-6.5%	8.8%
Uzbekistan	10.54	11.05	10.19	9.93	8.70	11.55	11.55	11.06	-4.3%	0.0%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East										
Iran	4.66	8.35	8.92	8.92	13.01	13.68	15.01	11.13	-25.9%	2.9%
Israel	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00		
Jordan	0.00	0.00	0.00	0.80	1.06	0.29	0.29	0.29	-0.1%	
Oman	12.19	12.27	10.42	11.00	11.62	13.68	14.00	13.65	-2.5%	1.1%
Qatar	30.35	98.76	128.23	131.89	128.07	127.11	129.04	131.05	1.6%	2.9%
United Arab Emirates	6.96	7.45	7.16	7.13	6.70	7.00	7.17	7.39	3.0%	-0.1%
Yemen	0.00	5.30	1.89	0.00	0.00	0.00	0.00	0.00		-100.0%

^(*) Data source: the original data are from IEA (2021) *Extended Balances* and, for Italy, from Italian Ministry for Ecological Transition. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

Countries^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa										
Algeria	64.07	56.58	43.03	53.38	53.42	50.86	42.31	40.18	-5.0%	-3.4%
Angola	0.00	0.00	0.00	0.86	4.71	5.06	5.22	5.75	10.0%	
Cameroon	0.00	0.00	0.00	0.00	0.00	0.78	1.57	1.58	1.0%	
Egypt	14.71	12.33	0.24	1.31	1.12	2.28	4.83	4.49	-7.0%	-9.6%
Equatorial Guinea	1.14	3.22	4.96	4.97	5.50	4.90	4.16	3.93	-5.5%	2.0%
Libya	5.20	9.26	6.75	4.56	4.37	4.27	5.41	4.23	-21.8%	-7.5%
Mozambique	2.15	3.04	3.87	3.92	3.97	3.98	3.88	3.83	-1.3%	2.3%
Nigeria	12.52	20.65	25.01	22.59	26.37	25.96	26.03	25.80	-0.9%	2.3%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific										
Australia	14.40	24.33	34.15	50.47	71.45	84.50	102.35	107.77	5.3%	16.0%
Brunei	9.49	8.83	8.36	7.88	8.23	8.91	7.62	7.19	-5.7%	-2.0%
China	2.89	3.92	3.16	3.29	3.44	3.27	3.50	5.01	43.3%	2.5%
Indonesia	42.22	41.85	32.13	29.62	27.64	27.52	21.98	20.02	-8.9%	-7.1%
Malaysia	28.89	31.20	32.70	32.91	35.91	31.78	33.40	30.72	-8.0%	-0.2%
Myanmar	9.32	10.34	13.66	14.51	14.31	13.32	14.41	13.38	-7.1%	2.6%
Vietnam	1.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Others Asia - Pacific	0.00	5.84	9.92	8.72	8.32	8.12	8.14	10.59	30.1%	6.1%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas										
Argentina	6.65	0.46	0.09	0.06	0.08	0.43	0.27	0.18	-33.5%	-8.9%
Bolivia	10.03	11.24	16.88	15.50	14.85	13.48	11.49	10.58	-7.9%	-0.6%
Canada	101.65	92.05	76.37	82.63	83.47	78.22	75.13	69.55	-7.4%	-2.8%
Chile	0.00	0.00	0.00	0.35	0.21	0.16	0.00	0.00		
Colombia	0.00	1.39	0.33	0.00	0.00	0.00	0.00	0.00		-100.0%
Dominican Republic	0.00	0.00	0.00	0.00	0.04	0.03	0.04	0.08	90.5%	
Mexico	0.25	0.92	0.03	0.03	0.02	0.01	0.01	0.00	-91.7%	-50.0%
Peru	0.00	2.48	5.58	6.69	6.37	5.84	6.23	5.77	-7.3%	8.8%
Trinidad and Tobago	13.72	20.33	17.05	14.48	14.92	16.82	17.04	14.76	-13.4%	-3.1%
United States	19.42	30.42	47.33	61.26	86.57	98.58	127.49	147.23	15.5%	17.1%

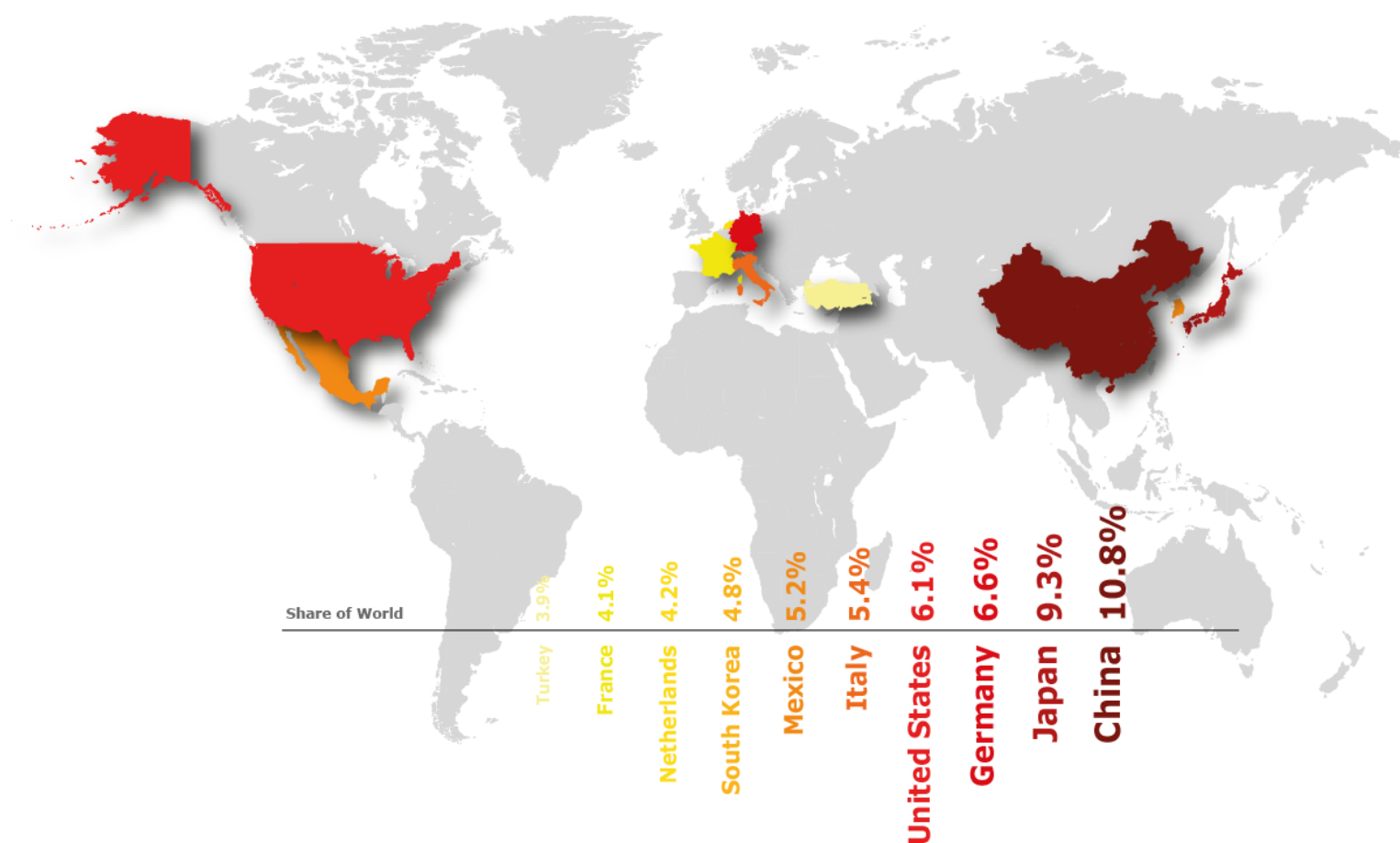
^(*) Data source: the original data are from IEA (2021) *Extended Balances*. All rights reserved. Data have been converted by Eni using a unified gross calorific value of 40 MJ/cm.

The World Top 10 Importers^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
China	0.00	14.64	56.58	68.69	86.37	113.31	120.66	126.53	4.9%	24.1%
Japan	78.92	96.12	113.79	115.39	114.22	110.16	104.64	109.71	4.8%	1.3%
Germany	91.76	91.65	99.92	94.92	111.35	82.03	88.01	77.31	-12.2%	-1.7%
United States	117.32	101.09	73.15	80.88	81.88	77.63	73.74	71.14	-3.5%	-3.5%
Italy	69.97	71.77	58.36	62.18	66.34	64.65	67.69	63.24	-6.6%	-1.3%
Mexico	8.94	14.70	35.09	41.35	41.53	51.37	47.71	61.43	28.8%	15.4%
South Korea	30.37	45.69	45.29	46.06	50.74	57.74	56.05	55.85	-0.3%	2.0%
Netherlands	19.12	21.46	34.00	38.45	45.20	50.75	49.42	49.84	0.9%	8.8%
France	48.41	48.98	45.80	47.96	50.19	51.04	56.88	48.02	-15.6%	-0.2%
Turkey	25.74	36.42	46.38	44.39	52.90	48.15	43.29	45.96	6.2%	2.4%
The World Top 10	490.54	542.53	608.36	640.27	700.72	706.84	708.07	709.04	0.1%	2.7%
Rest of the World	334.41	416.32	416.23	427.32	454.28	448.05	486.03	465.90	-4.1%	1.1%
World	824.96	958.85	1,024.59	1,067.59	1,155.00	1,154.89	1,194.10	1,174.94	-1.6%	2.1%

The World Top 10 (2020)



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Countries^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe										
Austria	9.35	11.85	11.42	13.93	13.42	12.59	13.68	15.91	16.3%	3.0%
Belarus	19.43	20.83	18.14	18.00	18.36	19.63	18.84	17.52	-7.0%	-1.7%
Belgium	17.23	22.73	17.79	17.31	16.96	18.89	22.36	20.83	-6.8%	-0.9%
Bosnia Herzegovina	0.35	0.23	0.21	0.21	0.23	0.23	0.22	0.17	-20.6%	-2.9%
Bulgaria	2.86	2.48	2.93	3.02	3.17	3.01	2.86	2.83	-1.1%	1.3%
Croatia	1.08	1.01	1.01	1.22	1.75	1.53	1.93	2.00	4.0%	7.1%
Czech Republic	8.84	8.11	7.17	7.81	8.53	7.68	9.14	7.28	-20.3%	-1.1%
Denmark	0.00	0.16	0.73	0.75	0.58	0.44	1.20	2.66	121.8%	32.6%
Estonia	0.93	0.65	0.45	0.50	0.47	0.48	0.47	0.40	-13.1%	-4.7%
Finland	4.19	4.46	2.60	2.39	2.23	2.53	2.49	2.45	-1.6%	-5.8%
France	48.41	48.98	45.80	47.96	50.19	51.04	56.88	48.02	-15.6%	-0.2%
Germany	91.76	91.65	99.92	94.92	111.35	82.03	88.01	77.31	-12.2%	-1.7%
Greece	2.71	3.76	3.11	4.03	4.91	4.82	5.18	5.80	12.0%	4.4%
Hungary	11.41	9.20	6.60	8.40	12.98	12.35	18.12	11.85	-34.6%	2.6%
Ireland	3.50	5.21	4.21	1.98	1.64	2.02	2.81	3.38	20.1%	-4.2%
Italy	69.97	71.77	58.36	62.18	66.34	64.65	67.69	63.06	-6.8%	-1.3%
Latvia	1.67	1.05	1.26	1.07	1.18	1.34	1.28	1.06	-17.4%	0.1%
Lithuania	2.90	2.89	2.49	2.20	2.42	2.22	2.67	2.77	3.7%	-0.4%
Luxembourg	1.37	1.39	0.89	0.82	0.81	0.80	0.80	0.72	-9.2%	-6.3%
Malta	0.00	0.00	0.00	0.00	0.30	0.37	0.37	0.36	-3.6%	
Moldova	2.78	2.69	2.48	2.50	2.30	2.49	2.55	3.46	36.0%	2.6%
Netherlands	19.12	21.46	34.00	38.45	45.20	50.75	49.42	49.84	0.9%	8.8%
North Macedonia	0.07	0.11	0.13	0.20	0.26	0.24	0.28	0.32	14.2%	11.3%
Norway	0.00	0.01	0.00	0.00	0.00	0.01	0.02	0.03	70.5%	18.8%
Poland	9.96	10.36	11.62	14.17	15.15	15.21	17.03	16.83	-1.2%	5.0%
Portugal	4.53	5.24	4.73	4.96	6.32	5.90	6.14	5.97	-2.8%	1.3%
Romania	4.87	2.11	0.19	1.37	1.11	1.41	2.48	2.07	-16.7%	-0.2%
Serbia	2.00	1.82	1.61	1.66	2.02	2.04	2.10	1.86	-11.1%	0.2%
Slovakia	7.03	5.82	4.29	4.21	5.08	4.25	6.49	4.19	-35.5%	-3.2%
Slovenia	1.08	1.00	0.77	0.82	0.85	0.84	0.85	0.85	-0.1%	-1.6%
Spain	35.18	37.16	32.78	32.79	35.04	35.23	37.65	32.87	-12.7%	-1.2%
Sweden	0.98	1.70	0.84	0.95	1.10	1.21	1.14	1.51	32.1%	-1.2%
Switzerland	3.24	3.50	3.32	3.48	3.50	3.32	3.41	3.31	-2.7%	-0.5%
Turkey	25.74	36.42	46.38	44.39	52.90	48.15	43.29	45.96	6.2%	2.4%
Ukraine	58.72	34.38	15.46	10.24	13.10	9.84	11.06	7.18	-35.0%	-14.5%
United Kingdom	15.60	54.56	44.59	47.42	46.53	46.54	46.61	42.98	-7.8%	-2.4%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia										
Russia	7.21	4.07	8.41	8.54	8.39	8.97	8.71	8.59	-1.4%	7.8%
Armenia	1.56	1.59	2.28	2.15	2.29	2.36	2.47	2.51	1.7%	4.6%
Azerbaijan	4.41	0.00	0.00	0.29	2.06	1.76	0.00	0.00		
Georgia	1.22	1.17	2.50	2.26	2.38	2.37	2.69	2.53	-5.9%	8.0%
Kazakhstan	10.95	3.43	5.45	6.82	6.42	9.70	16.18	14.88	-8.0%	15.8%
Kyrgyzstan	0.69	0.27	0.24	0.25	0.27	0.30	0.29	0.29	-0.1%	1.0%
Tajikistan	0.60	0.17	0.00	0.00	0.00	0.05	0.23	0.00	-100.0%	-100.0%
Uzbekistan	0.94	0.02	0.07	0.07	0.00	0.00	0.00	0.00		-100.0%
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East										
Iran	5.09	8.85	8.43	5.77	3.80	2.08	1.05	1.05	-0.1%	-19.2%
Iraq	0.00	0.00	0.00	0.00	1.52	4.27	5.80	5.41	-6.6%	
Israel	0.00	2.01	0.11	0.30	0.43	0.70	0.72	0.72	0.0%	-9.7%
Jordan	1.40	2.50	2.14	4.64	5.05	4.20	4.20	2.52	-40.0%	0.1%
Kuwait	0.00	2.65	3.79	4.72	5.25	4.73	4.94	5.66	14.6%	7.9%
Lebanon	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
Oman	0.00	1.97	2.06	2.04	2.04	2.07	2.07	2.07	0.0%	0.5%
Syria	0.00	0.65	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
United Arab Emirates	1.33	16.54	20.41	19.95	20.27	18.52	19.23	19.38	0.8%	1.6%

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Countries^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa										
Egypt	0.00	0.00	6.62	9.08	7.64	2.91	0.00	0.00		
Ghana	0.00	0.41	0.54	0.11	0.31	0.67	0.61	0.64	5.6%	4.6%
Morocco	0.40	0.61	1.10	1.13	1.12	1.00	0.93	0.70	-24.3%	1.4%
South Africa	1.13	3.04	3.87	4.08	4.10	3.66	3.51	3.46	-1.3%	1.3%
Tunisia	1.28	2.34	2.95	3.41	3.83	4.01	4.22	3.93	-7.0%	5.3%

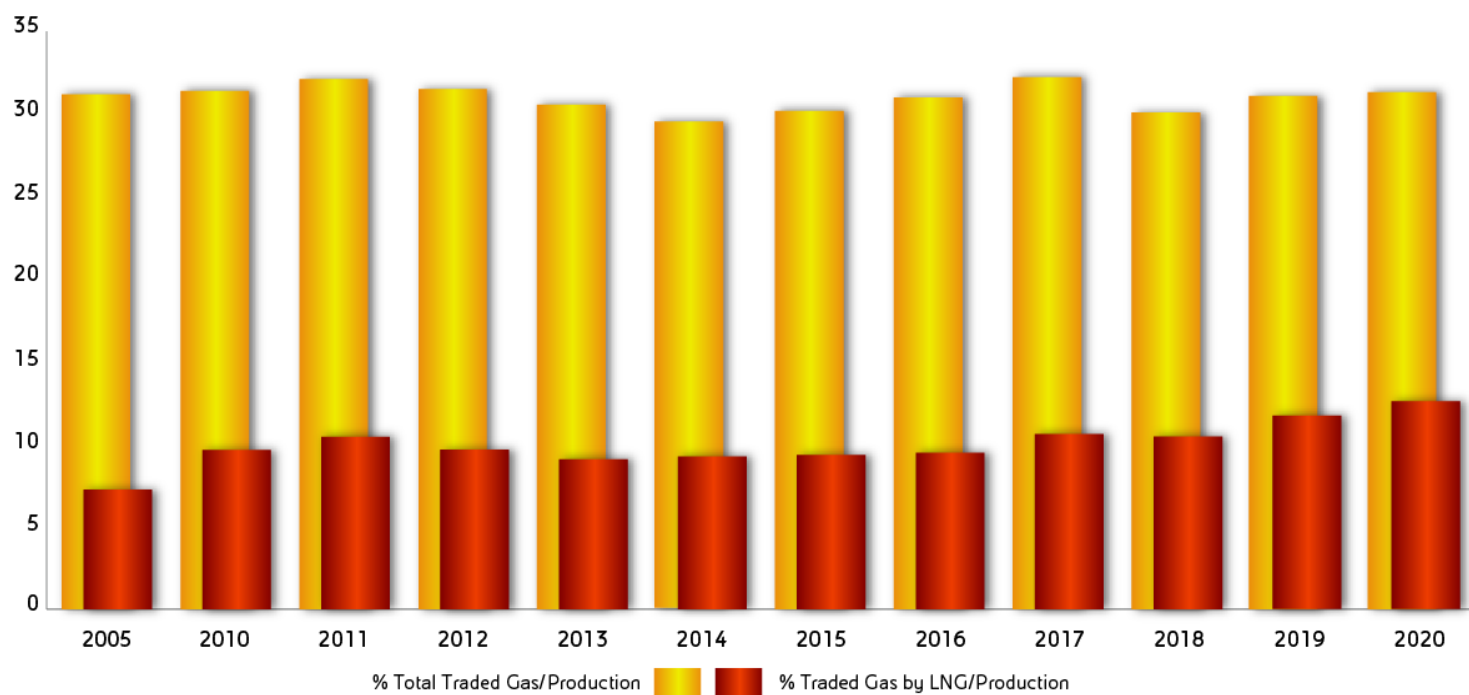
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific										
Australia	0.00	4.44	5.02	5.66	5.16	4.66	5.05	4.35	-13.8%	-0.2%
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	3.19	5.43	70.0%	
China	0.00	14.64	56.58	68.69	86.37	113.31	120.66	126.53	4.9%	24.1%
Hong Kong	2.55	3.64	3.09	3.17	3.16	3.06	3.16	5.01	58.7%	3.2%
India	6.83	13.30	22.14	25.72	28.40	29.70	35.03	35.14	0.3%	10.2%
Japan	78.92	96.12	113.79	115.39	114.22	110.16	104.64	109.71	4.8%	1.3%
Malaysia	1.56	8.16	9.09	7.94	8.14	8.09	8.63	9.61	11.4%	1.7%
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24		
Pakistan	0.00	0.00	2.66	4.92	8.28	9.85	11.75	10.29	-12.4%	
Singapore	5.83	7.55	9.89	10.13	10.33	10.42	10.62	12.06	13.6%	4.8%
South Korea	30.37	45.69	45.29	46.06	50.74	57.74	56.05	55.85	-0.3%	2.0%
Taiwan	9.81	15.20	19.83	20.67	23.00	23.48	23.10	24.79	7.3%	5.0%
Thailand	8.64	9.58	13.91	13.54	14.41	14.71	14.56	14.84	1.9%	4.5%
Others Asia - Pacific	0.00	0.15	0.00	0.01	0.17	0.09	0.13	0.13	-0.4%	-1.5%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas										
Argentina	1.68	3.47	11.12	10.63	11.07	9.49	6.63	7.03	6.0%	7.3%
Brazil	9.21	12.94	18.84	12.00	10.97	10.84	10.03	9.84	-2.0%	-2.7%
Canada	9.11	21.78	19.25	21.84	24.77	22.72	25.56	23.11	-9.6%	0.6%
Chile	6.14	3.50	3.64	4.25	4.08	4.02	4.69	4.76	1.5%	3.1%
Colombia	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.35	2434.5%	
Dominican Republic	0.24	0.79	1.11	1.02	1.22	1.19	1.31	1.33	1.7%	5.3%
Jamaica	0.00	0.00	0.00	0.04	0.19	0.24	0.24	0.88	275.1%	
Mexico	8.94	14.70	35.09	41.35	41.53	51.37	47.71	61.43	28.8%	15.4%
Panama	0.00	0.00	0.00	0.00	0.00	0.26	0.80	0.34	-57.3%	
United States	117.32	101.09	73.15	80.88	81.88	77.63	73.74	71.14	-3.5%	-3.5%
Uruguay	0.10	0.07	0.05	0.06	0.07	0.06	0.09	0.07	-27.2%	-0.9%
Venezuela	0.00	1.95	0.36	0.00	0.00	0.00	0.00	0.00		-100.0%
Others Americas	0.66	0.75	1.44	1.65	1.37	1.38	1.38	0.71	-48.3%	-0.5%

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	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 (%)
2005	22.99	77.01	31.07	7.14	23.93
2010	30.71	69.29	31.48	9.67	21.82
2011	32.45	67.56	32.24	10.46	21.78
2012	31.26	68.74	31.40	9.81	21.58
2013	30.05	69.95	30.79	9.25	21.54
2014	31.50	68.50	29.53	9.30	20.22
2015	31.26	68.74	30.35	9.49	20.86
2016	31.36	68.64	31.02	9.73	21.29
2017	32.46	67.54	32.54	10.56	21.98
2018	34.31	65.69	30.83	10.58	20.26
2019	38.07	61.93	30.94	11.78	19.16
2020	40.22	59.78	31.04	12.49	18.56

Total Traded Gas on Production
(percentage)



Liquefaction Capacity - Countries^(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe		5.6	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	5.6
Russia and Central Asia		13.0	15.0	15.0	15.7	26.3	38.2	38.3
Russia		13.0	15.0	15.0	15.7	26.3	38.2	38.3
Middle East	47.5	113.2	136.5	136.5	136.5	136.5	136.5	136.7
Oman	10.1	14.2	14.2	14.2	14.2	14.2	14.2	14.4
Qatar	29.8	83.4	105.6	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	9.1
Africa	55.0	82.3	85.5	85.5	85.5	87.5	88.8	84.7
Algeria	28.1	27.9	33.0	33.0	33.0	33.0	33.0	28.9
Angola			7.1	7.1	7.1	7.1	7.1	7.1
Cameroon						2.0	3.3	3.3
Egypt	11.1	16.6	9.8	9.8	9.8	9.8	9.8	9.8
Equatorial Guinea		5.6	5.6	5.6	5.6	5.6	5.6	5.6
Libya	2.2	2.2						
Nigeria	13.6	30.1	30.1	30.1	30.1	30.1	30.1	30.1
Asia - Pacific	92.4	113.9	126.5	155.1	180.5	194.7	209.3	211.3
Australia	16.1	28.2	45.1	70.5	91.0	104.0	121.3	123.4
Brunei	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Indonesia	35.7	42.3	26.7	28.6	28.6	28.6	24.9	24.9
Malaysia	30.8	33.7	34.9	36.2	41.0	41.4	41.4	41.4
Papua New Guinea			10.1	10.1	10.1	10.9	11.9	11.9
Americas	15.6	26.0	28.7	36.8	51.1	62.1	86.2	122.2
Argentina							0.4	0.5
Peru		3.3	6.0	6.0	6.0	6.0	6.0	6.0
Trinidad and Tobago	13.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7
United States	2.0	2.0	2.0	10.1	24.4	35.4	59.1	95.0
World	210.5	353.9	397.9	434.6	474.8	512.6	564.5	598.8

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

Regasification Capacity - Countries(*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Europe	73.2	173.5	201.0	211.5	223.8	230.1	237.6	240.1
Belgium	4.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Finland							0.3	0.5
France	15.5	24.2	22.3	28.0	34.7	34.7	34.7	34.9
Greece	1.3	5.4	5.4	5.4	5.4	5.4	7.0	7.6
Italy	3.5	11.5	15.3	15.3	15.3	15.3	15.3	15.3
Lithuania			4.0	4.0	4.0	4.0	4.0	4.0
Malta				0.1	0.6	0.6	0.6	0.6
Netherlands			12.7	12.7	12.7	12.7	12.7	12.7
Poland			0.3	5.0	5.0	5.0	5.0	5.0
Portugal	5.6	5.6	8.3	8.3	8.3	8.3	8.3	8.3
Spain	34.2	62.4	63.6	63.6	63.6	63.6	63.6	63.6
Turkey	6.3	12.3	12.3	12.5	17.5	23.7	29.3	30.8
United Kingdom	2.3	43.2	47.9	47.9	47.9	47.9	47.9	47.9
Russia and Central Asia							3.6	3.7
Russia							3.6	3.7
Middle East	0.0	5.5	17.1	25.4	28.5	28.5	28.5	28.5
Israel			2.7	2.7	2.7	2.7	2.7	2.7
Jordan			3.1	5.2	5.2	5.2	5.2	5.2
Kuwait		5.2	6.6	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	14.0
Africa			4.8	10.3	10.3	9.3	5.2	5.2
Egypt			4.8	10.3	10.3	9.3	5.2	5.2
Asia - Pacific	346.2	428.7	565.0	587.3	620.6	657.1	680.4	702.8
Bangladesh						3.9	8.7	10.3
China		17.5	61.9	69.9	82.3	92.0	100.3	111.2
India	9.4	18.4	34.1	36.3	41.5	41.8	48.2	57.2
Indonesia			11.3	12.4	12.5	12.5	12.5	12.5
Japan	243.3	258.6	283.2	288.1	290.4	294.4	294.6	294.6
Malaysia			5.2	5.2	6.0	10.0	10.0	10.0
Myanmar								0.7
Pakistan			5.4	7.1	7.7	13.3	13.3	13.3
Singapore			8.2	8.2	8.2	15.1	15.1	15.1
South Korea	82.8	115.1	128.0	130.4	136.2	136.5	136.7	136.7
Taiwan	10.7	19.1	21.0	22.8	22.8	24.0	25.5	25.5
Thailand			6.8	6.8	13.1	13.7	15.7	15.7
Americas	34.5	188.9	243.7	244.9	249.0	251.3	253.1	268.9
Argentina		4.1	11.3	11.3	11.3	10.4	6.1	7.3
Brazil		7.7	14.9	14.9	14.9	14.9	16.8	25.1
Canada		10.3	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	7.5
Colombia				0.7	4.1	4.1	4.1	4.1
Dominican Republic	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9
Jamaica				0.4	1.0	3.4	5.8	5.8
Mexico		15.5	20.7	20.7	20.7	20.7	20.7	20.7
Panama						0.9	2.6	2.6
United States (**)	31.9	143.4	175.3	175.3	175.3	175.3	175.4	181.7
World	453.8	796.6	1,031.5	1,079.5	1,132.2	1,176.2	1,208.4	1,249.2

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

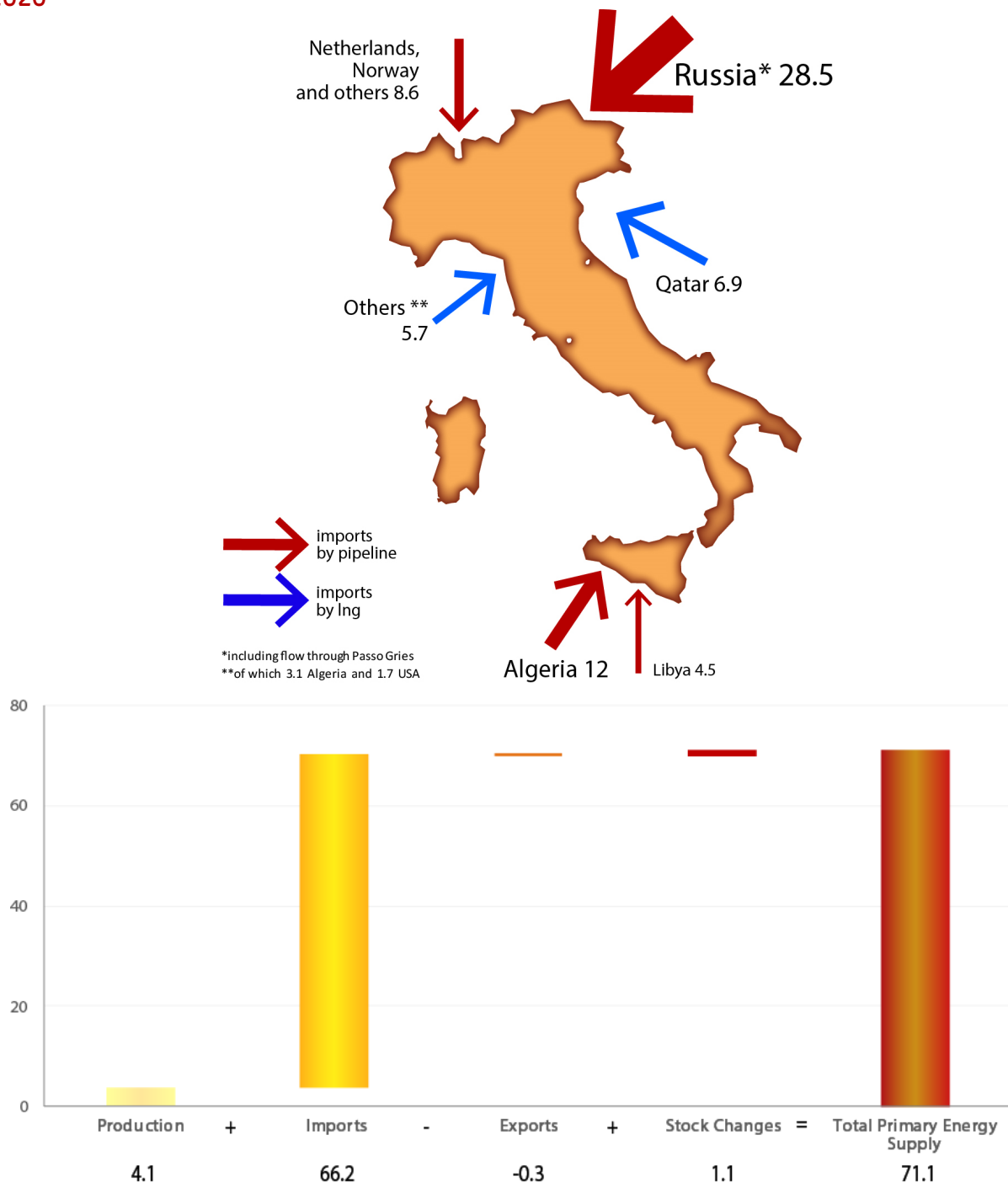
(**) The United States includes Puerto Rico.

Italy (*)

(billion cubic metres)

	2005	2010	2015	2016	2017	2018	2019	2020
Production	12.07	8.41	6.77	5.79	5.54	5.44	4.85	4.11
Imports	73.46	75.35	61.27	65.28	69.65	67.87	71.07	66.21
Exports	-0.40	-0.14	-0.22	-0.21	-0.27	-0.40	-0.33	-0.32
Stock Changes	1.13	-0.52	-0.29	0.06	0.24	-0.26	-1.12	1.08
Total Primary Energy Supply	86.27	83.10	67.52	70.91	75.15	72.66	74.47	71.07

2020



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

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

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
TTF	6.1	6.7	6.4	4.5	5.7	7.9	4.5	3.2	-29.1%	-7.0%
Henry Hub	8.7	4.4	2.6	2.5	3.0	3.2	2.6	2.0	-20.7%	-7.4%
Japan		7.4	7.8	5.6	6.9	9.9	5.9	3.8	-35.3%	-6.3%

TTF^(*) (\$/Mbtu)



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



Japan^(*) (\$/Mbtu)

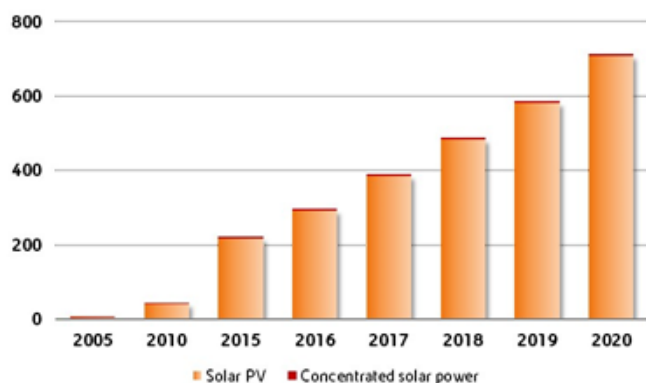


^(*) Data source: ICE London, Wood Mackenzie and EIA DOE.

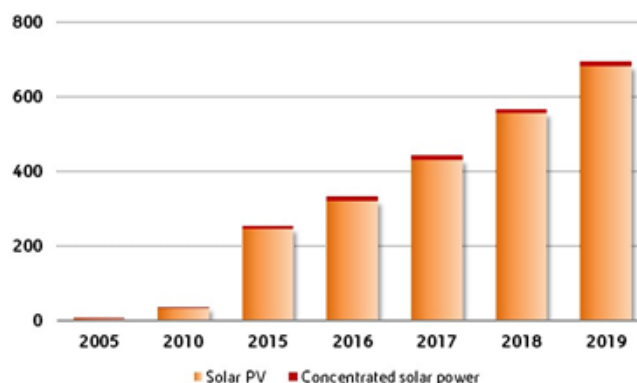
Renewables

Solar Photovoltaic
Concentrated Solar Power
Wind
Biofuels

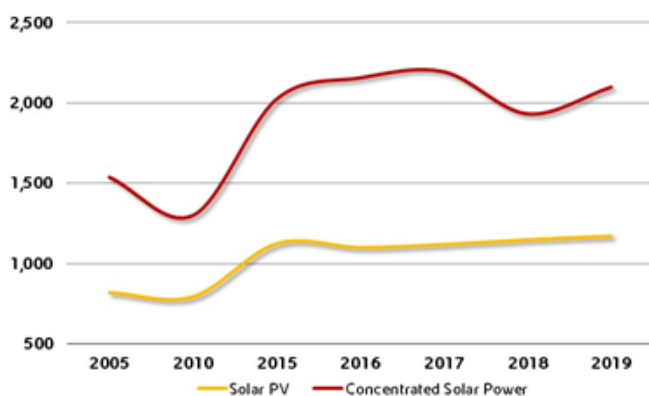
Solar Power Capacity
(GW)



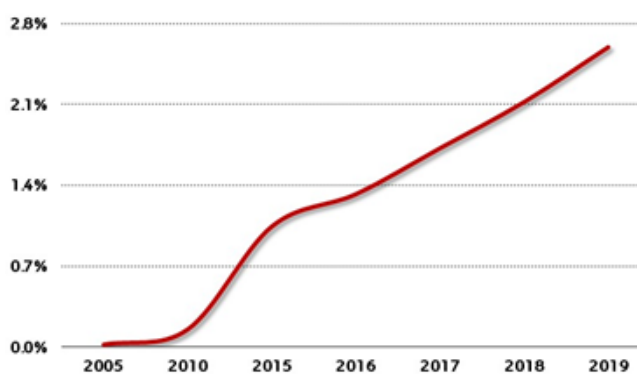
Solar Power Generation
(TWh)



Capacity Factor
(hours per year - world average)



Share of Solar on Total Power Generation



(*) IRENA: Global Atlas, Map data: 'VAISALA, 2021'.

Areas and Aggregates^(*)

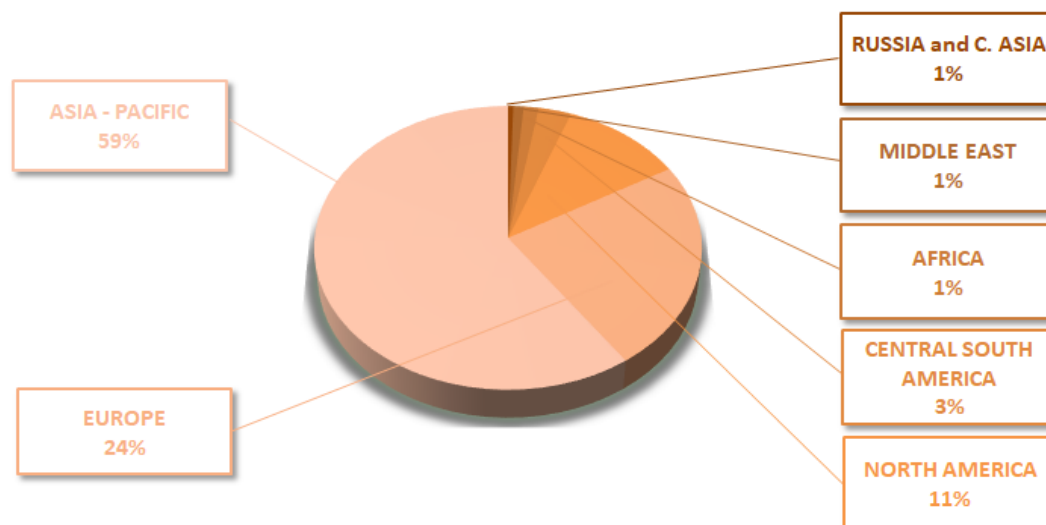
(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	2,318	30,125	97,549	104,696	113,478	124,404	146,315	167,812	14.7%	18.7%
Russia and Central Asia	0	3	211	262	435	1,081	2,303	3,285	42.7%	102.0%
Middle East	1	85	972	1,479	2,110	3,333	5,485	6,520	18.9%	54.4%
Africa	26	194	1,931	2,974	4,691	7,096	8,277	9,505	14.8%	47.6%
Asia - Pacific	1,658	6,606	90,586	143,133	213,557	282,480	340,965	422,545	23.9%	51.6%
Americas	543	3,275	26,214	38,751	50,181	64,521	77,416	97,828	26.4%	40.5%
- North America	510	3,130	24,201	35,619	44,270	54,526	62,234	77,139	23.9%	37.8%
- Central South America	33	145	2,013	3,132	5,911	9,996	15,183	20,689	36.3%	64.2%
World	4,547	40,288	217,463	291,295	384,452	482,916	580,760	707,495	21.8%	33.2%
European Union	2,280	29,978	94,988	101,107	106,685	114,830	131,403	150,179	14.3%	17.5%
MENA	14	119	1,099	1,805	2,750	4,773	7,839	8,920	13.8%	54.0%
OECD	4,330	38,653	158,021	188,678	214,574	251,051	293,081	343,601	17.2%	24.4%
NON OECD	217	1,634	59,442	102,617	169,878	231,865	287,679	363,895	26.5%	71.7%
OPEC	2	28	197	437	986	1,544	3,280	3,949	20.4%	64.3%
NON OPEC	4,545	40,260	217,266	290,858	383,465	481,372	577,480	703,546	21.8%	33.1%

The World Top 10^(**)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
China	141	1,022	43,538	77,788	130,801	175,016	204,575	253,834	24.1%	73.6%
United States	493	2,909	21,684	32,958	41,357	51,426	58,924	73,814	25.3%	38.2%
Japan	1,421	3,599	28,615	38,438	44,226	55,500	61,526	67,000	8.9%	34.0%
Germany	2,056	18,004	39,222	40,677	42,291	45,156	49,045	53,781	9.7%	11.6%
India	12	65	5,365	9,651	17,923	27,125	34,861	38,983	11.8%	89.5%
Italy	34	3,592	18,901	19,283	19,682	20,108	20,865	21,594	3.5%	19.6%
Australia	52	1,088	5,943	6,686	7,352	8,625	13,250	17,625	33.0%	32.1%
Vietnam	2	5	5	5	8	105	4,898	16,504	237.0%	127.1%
South Korea	14	650	3,615	4,502	5,835	7,130	10,505	14,575	38.7%	36.5%
United Kingdom	11	95	9,601	11,914	12,760	13,073	13,346	13,563	1.6%	64.2%
The World Top 10	4,236	31,029	176,489	241,902	322,236	403,262	471,795	571,273	21.1%	33.8%
Rest of the World	311	9,259	40,974	49,394	62,216	79,654	108,965	136,223	25.0%	30.8%
World	4,547	40,288	217,463	291,295	384,452	482,916	580,760	707,495	21.8%	33.2%

World Solar Photovoltaic Power Capacity (2020)
707,495 MW

(*) Data source: Eni's calculations on IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency Abu Dhabi, data.

(**) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	2,318	30,125	97,549	104,696	113,478	124,404	146,315	167,812	14.7%	18.7%
Albania	0	0	1	1	1	1	14	17	20.4%	45.4%
Austria	21	89	937	1,096	1,269	1,455	1,702	2,220	30.4%	38.0%
Belarus			13	51	153	157	157	159	1.5%	
Belgium	2	1,007	3,132	3,329	3,621	4,000	4,637	5,646	21.8%	18.8%
Bosnia Herzg	0	0	8	14	16	18	22	35	56.1%	60.9%
Bulgaria		25	1,029	1,028	1,036	1,033	1,048	1,073	2.4%	45.6%
Croatia		0	48	56	60	68	85	85	0.0%	75.8%
Cyprus	1	7	76	84	110	118	151	200	32.3%	39.8%
Czech Republic	1	1,727	2,075	2,068	2,070	2,075	2,086	2,073	-0.6%	1.8%
Denmark	3	7	782	851	906	998	1,080	1,300	20.4%	68.6%
Estonia		0	7	10	15	32	121	130	8.0%	104.9%
Finland	4	7	17	39	82	140	222	391	76.1%	49.5%
France	13	1,044	7,138	7,702	8,610	9,691	10,795	11,724	8.6%	27.4%
Germany	2,056	18,004	39,222	40,677	42,291	45,156	49,045	53,781	9.7%	11.6%
Greece	1	202	2,604	2,604	2,606	2,652	2,834	3,247	14.6%	32.0%
Hungary		2	172	235	344	728	1,400	1,953	39.5%	99.1%
Iceland			3	4	4	5	7	7	0.0%	
Ireland		1	2	6	16	24	31	40	29.2%	50.1%
Italy	34	3,592	18,901	19,283	19,682	20,108	20,865	21,594	3.5%	19.6%
Kosovo			0	2	7	7	10	10	0.0%	
Latvia			0	1	1	2	3	7	118.0%	
Lithuania		0	69	70	74	82	82	148	80.5%	107.5%
Luxembourg	24	29	116	122	128	131	160	195	21.9%	20.8%
Malta	0	1	75	94	112	131	154	184	19.8%	72.2%
Moldova			1	2	2	3	5	5	0.0%	
Montenegro		1	3	3	3	4	5	6	16.5%	26.7%
Netherlands	51	90	1,526	2,135	2,911	4,608	7,177	10,213	42.3%	60.5%
North Macedonia		0	17	17	17	21	26	94	260.8%	149.7%
Norway	7	9	15	27	45	68	120	152	26.4%	32.5%
Poland			108	187	287	562	1,539	3,936	155.7%	
Portugal	2	134	447	513	579	667	901	1,025	13.8%	22.6%
Romania		0	1,326	1,372	1,374	1,386	1,398	1,387	-0.8%	159.5%
Serbia	1	3	16	17	18	21	23	29	22.9%	24.2%
Slovakia		19	533	533	528	472	590	593	0.5%	41.1%
Slovenia	1	12	238	233	247	247	264	267	1.1%	36.4%
Spain	52	3,873	4,704	4,713	4,723	4,764	8,973	11,785	31.3%	11.8%
Sweden	4	11	104	153	244	428	714	1,417	98.5%	62.6%
Switzerland	28	125	1,394	1,664	1,906	2,203	2,589	3,118	20.4%	37.9%
Turkey	2	6	249	833	3,421	5,063	5,995	6,667	11.2%	102.7%
Ukraine		3	841	955	1,200	2,003	5,936	7,331	23.5%	122.2%
United Kingdom	11	95	9,601	11,914	12,760	13,073	13,346	13,563	1.6%	64.2%
Others Europe			0	0	0	1	2	3	40.0%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	0	3	211	262	435	1,081	2,303	3,285	42.7%	102.0%
Russia		0	61	76	225	535	1,064	1,428	34.2%	227.7%
Armenia				1	2	17	50	95	90.0%	
Azerbaijan		0	5	25	28	35	35	40	12.7%	63.1%
Georgia			0	0	0	0	1	1	0.0%	
Kazakhstan	0	3	144	157	175	490	1,150	1,719	49.5%	91.5%
Uzbekistan			1	2	3	4	4	4	0.1%	

(*) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	1	85	972	1,479	2,110	3,333	5,485	6,520	18.9%	54.4%
Bahrain		0	5	6	6	6	9	10	4.4%	118.1%
Iran	0	0	9	43	184	286	367	414	12.8%	100.8%
Iraq			37	37	37	216	216	216	0.0%	
Israel	1	70	766	866	969	1,070	1,190	1,190	0.0%	32.8%
Jordan			6	296	406	809	1,101	1,359	23.4%	
Kuwait			3	31	32	43	43	43	0.0%	
Lebanon		0	11	24	38	65	65	65	0.0%	69.5%
Oman			2	2	8	8	9	109	1144.7%	
Qatar			4	5	5	5	5	5	0.0%	
Saudi Arabia	0	2	24	24	34	34	359	359	0.0%	65.4%
Syria					0	1	2	2	0.0%	
United Arab Emirates		11	33	40	255	498	1,818	2,439	34.2%	71.9%
Yemen		1	60	80	100	250	250	253	1.1%	73.8%
Others Middle East			12	25	35	40	50	55	10.0%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	26	194	1,931	2,974	4,691	7,096	8,277	9,505	14.8%	47.6%
Algeria			49	219	400	423	423	423	0.0%	
Angola	1	7	13	13	13	13	13	13	0.0%	6.5%
Benin			1	3	3	3	3	3	1.4%	
Cameroon	0	1	7	9	12	14	14	14	0.9%	30.5%
Congo			0	0	1	1	1	1	0.0%	
Cote d'Ivoire	0	2	5	5	8	13	13	13	0.0%	23.8%
Dem. Rep. Congo			1	3	5	20	20	20	0.0%	
Egypt	1	15	25	39	160	744	1,641	1,673	1.9%	60.2%
Ethiopia		0	10	14	12	12	12	20	63.5%	93.1%
Gabon	0	1	1	1	1	1	1	1	0.0%	0.0%
Ghana			30	34	39	63	63	70	10.3%	
Kenya	0	0	31	32	39	105	106	106	0.1%	87.7%
Libya	1	4	5	5	5	5	5	5	0.0%	3.3%
Madagascar	0	2	9	11	13	33	34	37	8.5%	37.8%
Mauritania			18	35	35	87	88	88	0.0%	
Morocco	10	14	20	22	24	204	204	204	0.0%	31.2%
Mozambique			10	13	15	15	55	55	0.0%	
Namibia	2	4	21	36	75	93	145	145	0.0%	42.5%
Niger	1	2	7	8	9	27	27	27	0.0%	29.1%
Nigeria			17	18	19	19	28	28	1.7%	
Rwanda		0	14	19	27	31	31	31	0.0%	61.5%
Senegal	2	3	11	43	113	155	155	155	0.0%	47.0%
Sierra Leone	0	0	0	0	4	4	4	4	0.0%	46.8%
Somalia			0	5	7	7	7	23	218.9%	
South Africa		2	1,252	1,974	3,147	4,401	4,405	5,490	24.6%	121.2%
South Sudan			0	0	0	1	1	1	0.0%	
Sudan	0	2	11	12	13	13	19	19	0.0%	23.6%
Tanzania		0	13	19	22	26	26	26	0.5%	95.9%
Tunisia	1	2	28	41	51	64	80	95	18.5%	48.6%
Uganda	3	15	22	24	46	48	82	82	0.4%	18.7%
Zambia			0	0	0	1	96	99	3.1%	
Zimbabwe		0	4	5	6	11	11	17	53.4%	147.1%
Others Africa	4	118	296	310	367	439	462	516	11.7%	15.9%

^(*) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	1,658	6,606	90,586	143,133	213,557	282,480	340,965	422,545	23.9%	51.6%
Afghanistan		0	19	20	22	22	32	31	-1.5%	77.2%
Australia	52	1,088	5,943	6,686	7,352	8,625	13,250	17,625	33.0%	32.1%
Bangladesh	2	32	145	161	185	201	255	301	18.2%	25.0%
Brunei		1	1	1	1	1	1	1	16.6%	1.5%
China	141	1,022	43,538	77,788	130,801	175,016	204,575	253,834	24.1%	73.6%
East Timor	0	0	1	1	1	1	1	1	0.0%	18.4%
India	12	65	5,365	9,651	17,923	27,125	34,861	38,983	11.8%	89.5%
Indonesia	1	15	79	88	98	69	155	172	10.9%	28.0%
Japan	1,421	3,599	28,615	38,438	44,226	55,500	61,526	67,000	8.9%	34.0%
Malaysia		1	229	279	370	536	882	1,493	69.2%	120.7%
Mongolia	0	5	5	15	48	64	89	90	0.4%	34.6%
Myanmar		0	21	32	44	48	88	84	-4.5%	70.8%
Nepal	2	4	13	14	54	52	51	60	19.2%	30.3%
New Zealand		3	37	53	70	90	117	142	22.0%	47.1%
North Korea	0	1	23	32	35	38	42	42	0.0%	46.0%
Pakistan		9	266	589	655	679	713	737	3.4%	54.8%
Papua New Guinea	0	0	1	1	1	1	1	1	0.0%	14.3%
Philippines	2	2	173	784	908	914	973	1,048	7.7%	86.8%
Singapore		3	46	97	116	160	272	329	21.2%	60.0%
South Korea	14	650	3,615	4,502	5,835	7,130	10,505	14,575	38.7%	36.5%
Sri Lanka	4	7	31	63	131	185	215	230	7.2%	41.9%
Taiwan	1	35	884	1,245	1,768	2,738	4,150	5,817	40.2%	66.9%
Thailand		49	1,420	2,446	2,697	2,962	2,983	2,983	0.0%	50.9%
Vietnam	2	5	5	5	8	105	4,898	16,504	237.0%	127.1%
Others Asia - Pacific	3	11	113	143	209	220	331	461	39.4%	45.6%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	543	3,275	26,214	38,751	50,181	64,521	77,416	97,828	26.4%	40.5%
Argentina	0	0	9	9	9	191	442	764	72.8%	179.8%
Barbados	0	1	9	20	21	22	35	50	42.9%	47.9%
Belize	0	1	4	4	4	4	6	7	4.0%	25.7%
Bolivia	1	3	6	6	8	70	120	120	0.0%	44.8%
Brazil	1	2	41	148	1,296	2,470	4,615	7,881	70.8%	131.7%
Canada	17	221	2,517	2,661	2,913	3,100	3,310	3,325	0.5%	31.1%
Chile			576	1,125	1,809	2,137	2,555	3,106	21.6%	
Colombia	1	1	1	2	11	86	90	107	19.3%	55.7%
Costa Rica	3	6	22	24	28	28	48	57	17.2%	24.8%
Cuba			24	37	65	128	159	163	2.5%	
Curacao	0	0	10	11	11	11	12	12	0.0%	61.4%
Dominican Republic			25	73	106	205	305	370	21.5%	
Ecuador	0	0	26	26	26	27	28	28	0.0%	106.1%
El Salvador	0	0	26	28	126	206	391	429	9.7%	150.6%
Guatemala	0	1	93	93	99	101	101	101	0.0%	66.9%
Guyana	0	0	2	2	3	6	8	8	0.0%	47.4%
Haiti		1	2	2	2	3	3	3	0.0%	17.0%
Honduras	3	4	393	414	454	514	514	514	0.0%	63.7%
Jamaica	0	1	7	28	56	56	93	93	0.0%	57.3%
Mexico	16	29	173	389	674	2,541	4,426	5,630	27.2%	69.4%
Nicaragua			1	1	14	14	16	16	0.0%	
Panama	1	2	49	93	147	193	198	198	0.0%	59.4%
Paraguay		0	0	0	0	0	0	0	0.0%	49.8%
Peru	5	13	139	146	298	325	331	331	0.0%	38.7%
Suriname		0	6	6	6	7	7	7	0.0%	47.4%
Trinidad and Tobago	2	3	3	3	3	3	3	3	0.0%	1.6%
United States	493	2,909	21,684	32,958	41,357	51,426	58,924	73,814	25.3%	38.2%
Uruguay		0	65	89	243	248	254	256	0.8%	111.5%
Venezuela		2	5	5	5	4	5	5	0.0%	11.4%
Others Americas	1	77	296	350	387	396	418	431	3.3%	18.8%

(*) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Areas and Aggregates^(*)

(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Europe	1,488	22,598	104,631	108,808	118,966	134,303	147,610		9.9%	23.2%
Russia and Central Asia			459	634	758	1,162	2,215		90.6%	
Middle East		94	1,504	2,451	3,506	5,294	10,572		99.7%	69.0%
Africa	16	323	2,529	3,710	5,066	6,721	7,428		10.5%	41.7%
Asia - Pacific	1,621	5,624	98,039	149,534	223,460	309,276	389,806		26.0%	60.2%
Americas	610	3,407	37,714	55,828	79,245	98,897	123,445		24.8%	49.0%
- North America	541	3,318	34,986	50,663	70,966	85,040	98,023	120,972	23.4%	43.3%
- Central South America	69	89	2,728	5,165	8,279	13,857	25,422		83.5%	87.4%
World	3,735	32,046	244,876	320,965	431,001	555,653	681,076		22.6%	40.4%
European Union	1,467	22,504	102,797	105,851	113,504	123,217	132,952	153,045	15.1%	21.1%
MENA	2	307	1,804	3,236	4,757	7,812	13,366		71.1%	52.1%
OECD	3,551	30,700	181,901	217,137	262,152	304,484	352,375	427,261	21.3%	30.1%
NON OECD	184	1,346	62,975	103,828	168,849	251,169	328,701		30.9%	84.2%
OPEC	2	29	341	379	1,406	2,342	5,231		123.4%	78.1%
NON OPEC	3,733	32,017	244,535	320,586	429,595	553,311	675,845		22.1%	40.3%

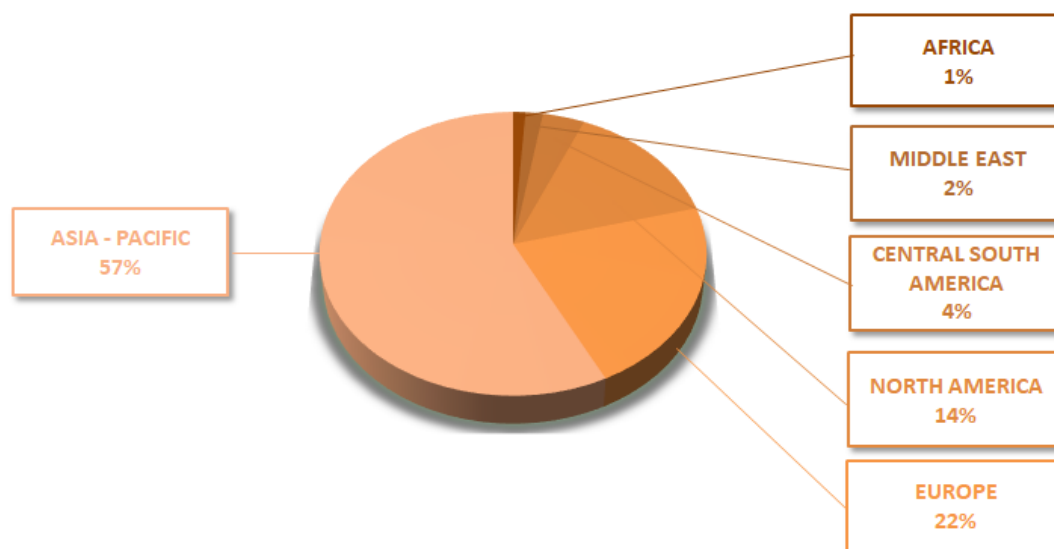
The World Top 10^(***)

(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
China	84	699	39,500	66,500	117,800	176,900	224,000	269,718	20.4%	81.4%
United States	524	3,063	32,091	46,633	67,393	81,244	93,944	116,692	24.2%	43.9%
Japan	1,421	3,543	34,803	45,761	55,069	62,668	68,953	78,644	14.1%	36.3%
India	3	126	10,420	18,778	26,035	39,728	50,563	61,344	21.3%	85.7%
Germany	1,282	11,729	38,726	38,098	39,401	45,784	46,392	50,600	9.1%	15.7%
Italy	31	1,906	22,942	22,104	24,378	22,654	23,689	24,942	5.3%	29.3%
Australia	78	386	5,019	6,205	8,069	9,926	14,845	21,029	41.7%	49.1%
South Korea	15	772	3,975	5,123	7,056	9,208	12,996	18,248	40.4%	37.2%
Spain	48	6,425	8,266	8,064	8,514	7,877	9,420	15,552	65.1%	9.2%
France	11	620	7,754	8,660	9,586	10,891	12,225	13,579	11.1%	36.2%
The World Top 10	3,497	29,269	203,496	265,926	363,301	466,880	557,027	670,348	20.3%	36.8%
Rest of the world	238	2,777	41,380	55,039	67,700	88,773	124,049		39.7%	52.5%
World	3,735	32,046	244,876	320,965	431,001	555,653	681,076		22.6%	40.4%

World Solar Photovoltaic Power Generation (2019)

681,076 GWh

(*) Data source: Eni's calculations on IEA (2021) *Extended Balances* data. All rights reserved

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

(***) Data source: IEA (2021) *Extended Balances*. All rights reserved.

Countries^(*)
(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Europe	1,488	22,598	104,631	108,808	118,966	134,303	147,610		9.9%	23.2%
Albania					1	1	22	32	45.5%	
Austria	21	89	937	1,096	1,269	1,455	1,702	2,043	20.0%	36.8%
Belarus			8	28	89	177	181	175	-3.3%	
Belgium	1	560	3,056	3,095	3,308	3,903	4,247	4,972	17.1%	24.4%
Bosnia Herzg				24	21	21	30	46	53.3%	
Bulgaria		15	1,383	1,386	1,403	1,343	1,442	1,473	2.1%	58.2%
Croatia			57	66	79	75	83	96	15.7%	
Cyprus	1	6	127	146	172	199	218	326	49.5%	49.1%
Czech Republic		616	2,264	2,131	2,193	2,359	2,312	2,235	-3.3%	13.8%
Denmark	2	6	604	744	751	953	963	1,181	22.6%	69.6%
Estonia				10	14	31	74	119	60.8%	
Finland	3	5	11	22	49	90	147	256	74.1%	48.2%
France	11	620	7,754	8,660	9,586	10,891	12,225	13,579	11.1%	36.2%
Germany	1,282	11,729	38,726	38,098	39,401	45,784	46,392	50,600	9.1%	15.7%
Greece	1	158	3,900	3,930	3,991	3,791	4,429	4,358	-1.6%	39.3%
Hungary		1	141	244	349	629	1,497	2,450	63.7%	118.2%
Ireland			3	6	11	17	21	64	204.8%	
Italy	31	1,906	22,942	22,104	24,378	22,654	23,689	24,942	5.3%	29.3%
Lithuania			73	66	68	87	91	129	41.8%	
Luxembourg	18	21	104	100	108	120	130	178	36.9%	23.8%
Malta		1	95	128	162	189	212	233	9.9%	72.5%
Netherlands	35	56	1,109	1,602	2,208	3,709	5,335	7,989	49.7%	64.2%
North Macedonia			23	24	24	23	23	24	4.3%	
Norway						2	13	27	107.7%	
Poland			57	124	165	300	711	1,990	179.9%	
Portugal	3	211	796	871	992	1,006	1,342	1,682	25.3%	23.1%
Romania			1,982	1,820	1,856	1,771	1,778	1,733	-2.5%	
Serbia			11	12	13	13	14	14	0.0%	
Slovakia		17	506	533	506	585	589	656	11.4%	44.1%
Slovenia		13	274	267	284	255	303	368	21.5%	39.7%
Spain	48	6,425	8,266	8,064	8,514	7,877	9,420	15,552	65.1%	9.2%
Sweden	2	9	97	143	230	407	679	1,035	52.4%	60.7%
Switzerland	21	94	1,119	1,333	1,683	1,945	2,178	2,520	15.7%	38.9%
Turkey			194	1,043	2,889	7,800	9,250	11,265	21.8%	
Ukraine			477	491	739	1,099	2,933	1,635	-44.3%	
United Kingdom	8	40	7,533	10,395	11,457	12,736	12,918	12,801	-0.9%	78.0%
Others Europe			2	2	3	6	17		183.3%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Russia and Central Asia			459	634	758	1,162	2,215		90.6%	
Russia			335	462	558	720	1,279	1,862	45.6%	
Armenia			1	1	3	19	61	21	-65.6%	
Azerbaijan			5	35	37	39	44	47	6.8%	
Kazakhstan			118	136	160	384	831		116.4%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Middle East		94	1,504	2,451	3,506	5,294	10,572		99.7%	69.0%
Iran			1	4	86	340	435	435	0.0%	
Iraq			57	57	57	57	57		0.0%	
Israel		70	1,115	1,544	1,511	1,574	3,294	4,066	23.4%	50.1%
Jordan			2	421	908	1,441	2,086		44.8%	
Kuwait			5	9	13	20	20		0.0%	
Lebanon		1	17	37	56	89	89		0.0%	64.7%
Saudi Arabia		4	129	129	155	155	433		179.4%	68.3%
United Arab Emirates		17	49	48	477	1,070	3,550		231.8%	81.0%
Yemen		2	116	155	194	484	484		0.0%	84.0%
Others Middle East			13	47	49	64	124		93.8%	

(*) Data source: IEA (2021) *Extended Balances*. All rights reserved.

(**) When 2020 data is missing, the figure refers to the latest available years.

Countries^(*)
(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Africa	16	323	2529	3710	5066	6721	7428		10.5%	41.7%
Algeria			58	87	572	655	675		3.1%	
Egypt		206	168	580	537	1,525	1,471		-3.5%	24.4%
Ghana			3	27	28	33	51	57	11.8%	
Kenya		3	50	60	73	90	110		22.2%	49.2%
Mauritania			26	57	57	115	115		0.0%	
Morocco			1	1	1	156	395	380	-3.8%	
Senegal	3	3	4	6	91	252	291		15.5%	66.2%
South Africa			1,946	2,509	3,249	3,212	3,255	3,603	10.7%	
Tanzania	3	7	15	33	39	88	89		1.1%	32.6%
Tunisia		1	65	109	133	174	245		40.8%	84.3%
Uganda	4	22	36	58	70	132	164		24.2%	25.0%
Zambia							118	150	27.1%	
Others Africa	6	81	157	183	216	289	449		55.4%	21.0%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Asia-Pacific	1,621	5,624	98,039	149,534	223,460	309,276	389,806		26.0%	60.2%
Australia	78	386	5,019	6,205	8,069	9,926	14,845	21,029	41.7%	49.1%
Bangladesh			210	233	268	291	370		27.1%	
China	84	699	39,500	66,500	117,800	176,900	224,000	269,718	20.4%	81.4%
India	3	126	10,420	18,778	26,035	39,728	50,563	61,344	21.3%	85.7%
Indonesia		1	5	21	29	91	118		29.7%	69.9%
Japan	1,421	3,543	34,803	45,761	55,069	62,668	68,953	78,644	14.1%	36.3%
Malaysia	1		273	310	330	573	943		64.6%	
Mongolia		8	8	8	27	34	81		138.2%	29.3%
Myanmar			7	11	9	10	45		350.0%	
New Zealand		4	37	57	77	100	128	159	24.2%	44.5%
North Korea		1	11	13	14	15	16		6.7%	36.1%
Pakistan			207	630	768	629	652		3.7%	
Philippines	2	1	139	1,097	1,201	1,249	1,246		-0.2%	120.8%
Singapore		5	69	146	175	237	410	622	51.7%	62.0%
South Korea	15	772	3,975	5,123	7,056	9,208	12,996	18,248	40.4%	37.2%
Sri Lanka	14	17	21	23	141	117	103		-12.0%	22.2%
Taiwan	1	26	875	1,132	1,692	2,740	4,014	6,095	51.8%	72.6%
Thailand		20	2,378	3,377	4,543	4,537	5,146	4,928	-4.2%	73.4%
Vietnam						22	4,818		21800.0%	
Others Asia-Pacific	2	15	82	109	157	201	359		78.6%	42.3%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Americas	610	3,407	37,714	55,828	79,245	98,897	123,445		24.8%	49.0%
Argentina			15	14	16	108	800	1,345	68.1%	
Bolivia		3	5	6	6	127	188	253	34.6%	55.8%
Brazil			59	85	832	3,461	6,655	10,750	61.5%	
Canada	17	255	2,895	4,030	3,573	3,796	4,079	4,280	4.9%	32.6%
Chile			1,261	2,639	3,915	5,218	6,419	7,619	18.7%	
Colombia	7	8	9	9	14	21	137	191	39.4%	37.3%
Costa Rica			3	3	4	56	56	65	16.1%	
Cuba			29	39	60	147	230		56.5%	
Curacao			17	19	19	19	20		5.3%	
Dominican Republic			32	75	139	230	256		11.3%	
Ecuador			36	39	37	38	38	38	0.0%	
El Salvador			7	24	164	285	490		71.9%	
Guatemala			150	193	199	205	232	220	-5.2%	
Honduras			417	881	924	993	1,118		12.6%	
Jamaica				13	44	46	46		0.0%	
Mexico	9	31	239	464	1,085	1,363	7,057	13,528	91.7%	83.6%
Nicaragua			2	2	14	24	24		0.0%	
Panama			16	71	156	233	295		26.6%	
Peru			230	241	287	750	779	795	2.1%	
United States	524	3,063	32,091	46,633	67,393	81,244	93,944	116,692	24.2%	43.9%
Uruguay			49	151	269	414	424	463	9.2%	
Others Americas	53	47	152	197	95	119	158		32.8%	14.4%

(*) 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)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe		739	2,313	2,313	2,313	2,313	2,322	2,322	0.0%	12.1%
Middle East		6	106	106	106	156	448	448	0.0%	53.7%
Africa		45	325	425	525	976	1,076	1,076	0.0%	37.4%
Asia - Pacific	0	3	248	258	257	507	657	757	15.2%	73.8%
Americas	388	473	1,758	1,758	1,758	1,871	1,871	1,872	0.0%	14.7%
- North America	388	473	1,758	1,758	1,758	1,758	1,758	1,758	0.0%	14.0%
- Central South America						113	113	114	0.8%	
World	388	1,266	4,750	4,860	4,959	5,823	6,374	6,475	1.6%	17.7%
European Union		739	2,312	2,312	2,312	2,312	2,321	2,321	0.0%	12.1%
MENA		51	331	331	331	732	1,024	1,024	0.0%	35.0%
OECD	388	1,221	4,080	4,080	4,079	4,192	4,443	4,444	0.0%	13.8%
NON OECD		45	669	779	879	1,631	1,931	2,031	5.2%	46.4%
OPEC		25	125	125	125	175	225	225	0.0%	24.6%
NON OPEC	388	1,241	4,625	4,735	4,834	5,648	6,149	6,250	1.6%	17.5%

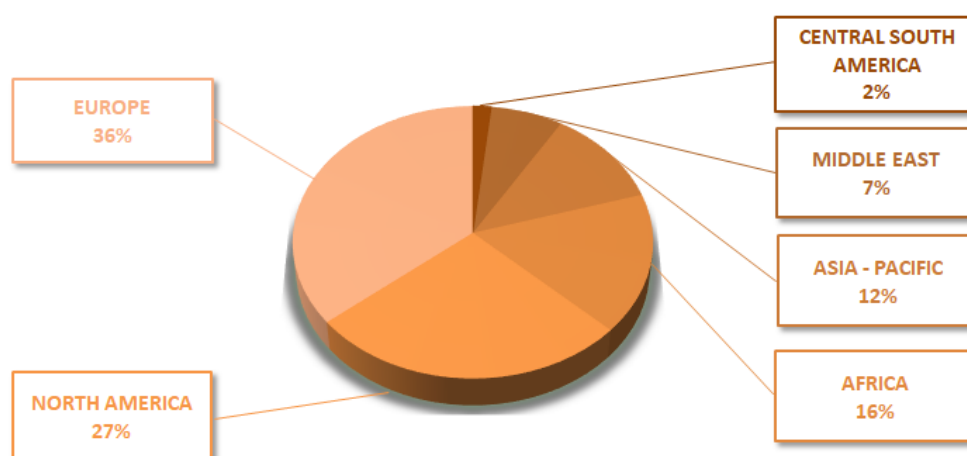
The World Top 10^(**)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Spain		732	2,304	2,304	2,304	2,304	2,304	2,304	0.0%	12.1%
United States	388	473	1,758	1,758	1,758	1,758	1,758	1,758	0.0%	14.0%
Morocco		20	180	180	180	530	530	530	0.0%	38.8%
China			11	21	21	271	421	521	23.8%	
South Africa			100	200	300	400	500	500	0.0%	
Israel		6	6	6	6	6	248	248	0.0%	44.9%
India			229	229	229	229	229	229	0.0%	
United Arab Emirates			100	100	100	100	100	100	0.0%	
Chile						99	99	100	0.9%	
Kuwait							50	50	0.0%	
The World Top 10	388	1,231	4,688	4,798	4,898	5,697	6,239	6,340	1.6%	17.8%
Rest of the World		35	62	62	61	126	135	135	0.0%	14.6%
World	388	1,266	4,750	4,860	4,959	5,823	6,374	6,475	1.6%	17.7%

World Concentrated Solar Power Capacity (2020)

6,475 MW



(*) Data source: Eni's calculations on IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi, data.

(**) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe		739	2,313	2,313	2,313	2,313	2,322	2,322	0.0%	12.1%
France							9	9	0.0%	
Germany		2	2	2	2	2	2	2	0.0%	0.0%
Italy		5	6	6	6	6	6	6	0.0%	2.5%
Spain		732	2,304	2,304	2,304	2,304	2,304	2,304	0.0%	12.1%
Turkey			1	1	1	1	1	1	0.0%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East		6	106	106	106	156	448	448	0.0%	53.7%
Kuwait							50	50	0.0%	
Israel		6	6	6	6	6	248	248	0.0%	44.9%
Saudi Arabia						50	50	50	0.0%	
United Arab Emirates			100	100	100	100	100	100	0.0%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa		45	325	425	525	976	1,076	1,076	0.0%	37.4%
Algeria		25	25	25	25	25	25	25	0.0%	0.0%
Egypt			20	20	20	21	21	21	0.0%	
Morocco		20	180	180	180	530	530	530	0.0%	38.8%
South Africa			100	200	300	400	500	500	0.0%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia - Pacific	0	3	248	258	257	507	657	757	15.2%	73.8%
Australia	0	3	3	3	2	2	2	2	0.0%	-4.0%
China			11	21	21	271	421	521	23.8%	
India			229	229	229	229	229	229	0.0%	
Thailand			5	5	5	5	5	5	0.0%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	388	473	1,758	1,758	1,758	1,871	1,871	1,872	0.0%	14.7%
Chile						99	99	100	0.9%	
Mexico						14	14	14	0.0%	
United States	388	473	1,758	1,758	1,758	1,758	1,758	1,758	0.0%	14.0%

^(*) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Areas and Aggregates^(*)

(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Europe		761	5,593	5,579	5,883	4,867	5,683	4,992	-12.2%	20.7%
Middle East			243	261	257	233	312		33.9%	
Africa			194	898	1,101	1,823	2,740		50.3%	
Asia - Pacific	1	5	33	33	44	383	1,098		186.7%	82.0%
Americas	596	879	3,544	3,701	3,587	3,940	3,535		-10.3%	16.7%
- North America	596	879	3,544	3,701	3,587	3,940	3,535	4,391	24.2%	17.5%
World	597	1,645	9,607	10,472	10,872	11,246	13,368		18.9%	26.2%
European Union		761	5,593	5,579	5,883	4,867	5,683	4,992	-12.2%	20.7%
MENA			247	661	671	1,027	1,498		45.9%	
OECD	597	1,643	9,141	9,284	9,472	8,810	9,221	9,387	1.8%	19.0%
NON OECD		2	466	1,188	1,400	2,436	4,147		70.2%	133.6%
OPEC			243	261	257	233	312		33.9%	
NON OPEC	597	1,645	9,364	10,211	10,615	11,013	13,056		18.6%	25.9%

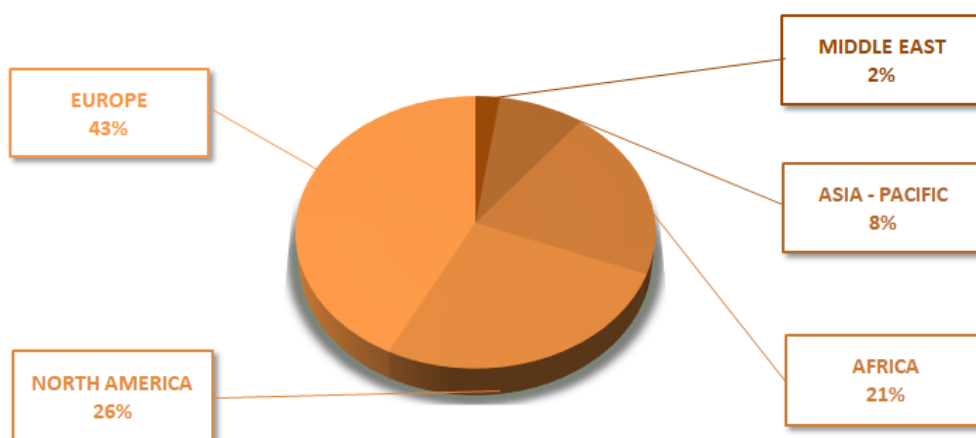
The World Top 5^(***)

(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Spain		761	5,593	5,579	5,883	4,867	5,683	4,992	-12.2%	20.7%
United States	596	879	3,544	3,701	3,587	3,940	3,535	4,391	24.2%	17.5%
South Africa			190	498	687	1,029	1,554	1,428	-8.1%	
China		2	29	29	42	380	1,095	1,317	20.3%	91.4%
Morocco			4	400	414	794	1,186	1,140	-3.9%	
The World Top 5	596	1,642	9,360	10,207	10,613	11,010	13,053	13,268	1.6%	23.2%
Rest of the world	1	3	247	265	259	236	315		33.5%	67.7%
World	597	1,645	9,607	10,472	10,872	11,246	13,368		18.9%	26.2%

World Concentrated Solar Power Generation (2019)

13,368 GWh

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

(**) When 2020 data is missing, the figure refers to the latest available years.

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

Countries^(*)

(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe		761	5,593	5,579	5,883	4,867	5,683	4,992	-12.2%	20.7%
Spain		761	5,593	5,579	5,883	4,867	5,683	4,992	-12.2%	20.7%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Middle East			243	261	257	233	312		33.9%	
Kuwait							82			
United Arab Emirates			243	261	257	233	230		-1.3%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Africa			194	898	1,101	1,823	2,740		50.3%	
Morocco			4	400	414	794	1,186	1,140	-3.9%	
South Africa			190	498	687	1,029	1,554	1,428	-8.1%	

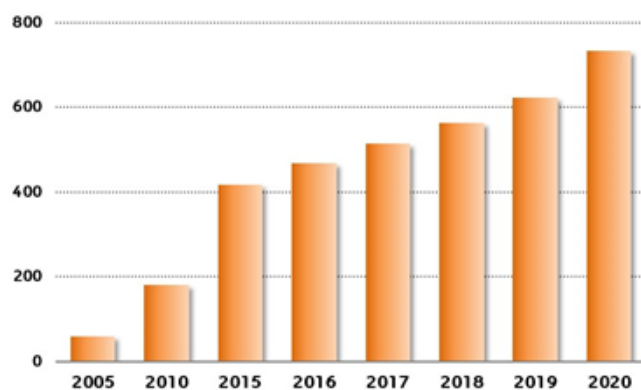
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Asia-Pacific	1	5	33	33	44	383	1,098		186.7%	82.0%
Australia	1	3	4	4	2	3	3	4	33.3%	2.9%
China		2	29	29	42	380	1,095	1,317	20.3%	91.4%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Americas	596	879	3,544	3,701	3,587	3,940	3,535		-10.3%	16.7%
United States	596	879	3,544	3,701	3,587	3,940	3,535	4,391	24.2%	17.5%

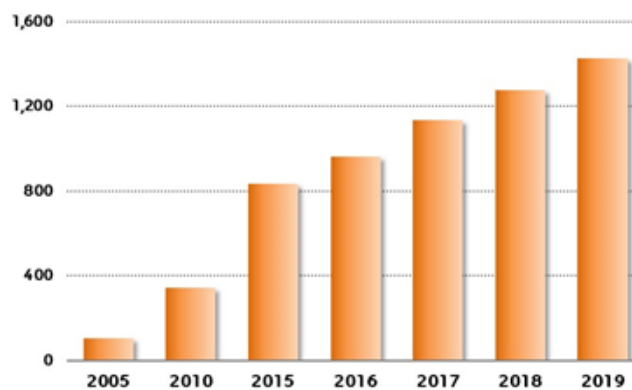
(*) Data source: IEA (2021) *Extended Balances*. All rights reserved.

(**) When 2020 data is missing, the figure refers to the latest available years.

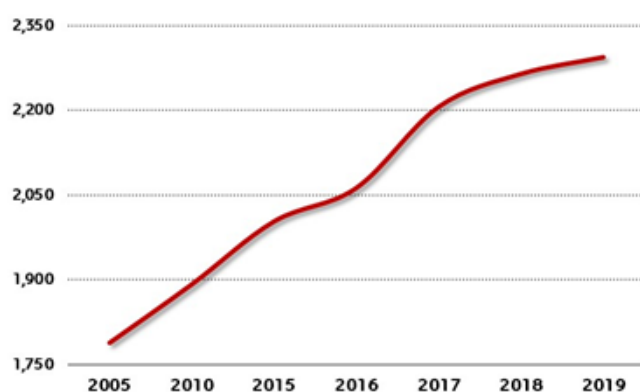
Wind Power Capacity
(GW)



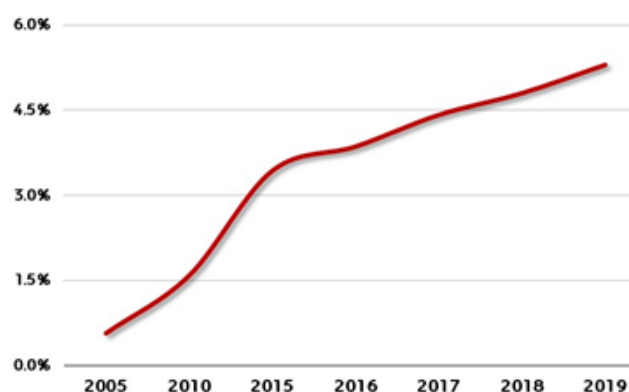
Wind Power Generation
(TWh)



Capacity Factor
(hours per year - world average)



Share of Wind on Total Power Generation



(*) IRENA: Global Atlas, Map data: 'VAISALA, 2021'.

Areas and Aggregates^(*)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	40,705	86,240	147,536	161,507	177,140	188,969	203,902	216,580	6.2%	9.6%
Russia and Central Asia	13	15	93	148	163	264	476	1,522	219.7%	59.1%
Middle East	45	104	286	423	504	609	769	915	19.0%	24.3%
Africa	237	862	3,322	3,829	4,581	5,469	5,769	6,491	12.5%	22.4%
Asia - Pacific	7,811	48,522	166,707	189,156	210,460	235,561	265,112	341,897	29.0%	21.6%
Americas	9,594	45,106	98,303	111,801	121,526	132,958	146,220	165,872	13.4%	13.9%
- North America	9,383	43,102	83,787	93,259	100,000	107,233	116,984	131,321	12.3%	11.8%
- Central South America	211	2,004	14,516	18,542	21,526	25,725	29,237	34,552	18.2%	32.9%
World	58,405	180,849	416,248	466,864	514,374	563,830	622,249	733,276	17.8%	15.0%
European Union	40,325	84,358	141,476	154,123	168,506	178,938	191,233	201,433	5.3%	9.1%
MENA	263	928	2,087	2,324	2,531	3,213	3,623	3,949	9.0%	15.6%
OECD	52,251	133,961	239,056	264,177	287,579	308,371	335,613	367,367	9.5%	10.6%
NON OECD	6,154	46,888	177,192	202,688	226,795	255,459	286,636	365,909	27.7%	22.8%
OPEC	39	97	242	278	359	382	402	403	0.2%	15.3%
NON OPEC	58,366	180,752	416,006	466,586	514,015	563,448	621,847	732,873	17.9%	15.0%

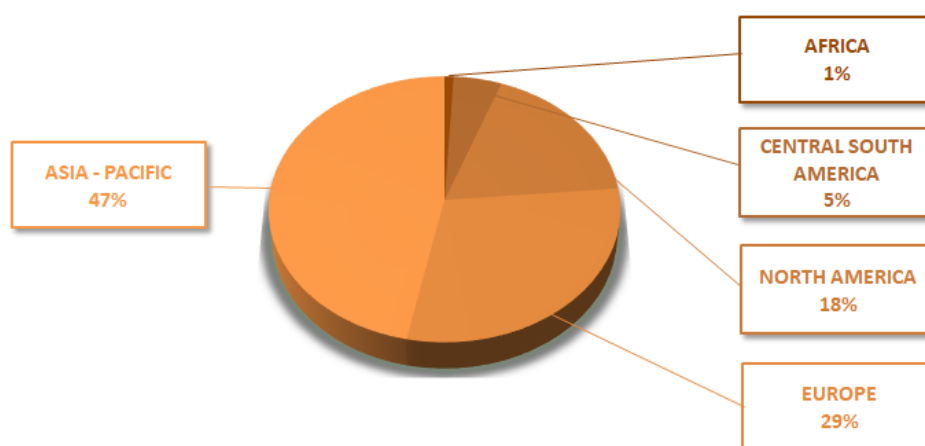
The World Top 10^(**)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
China	1,060	29,633	131,048	148,517	164,374	184,665	209,582	281,993	34.6%	25.3%
United States	8,706	39,135	72,573	81,286	87,597	94,417	103,571	117,744	13.7%	11.6%
Germany	18,248	26,903	44,580	49,435	55,580	58,721	60,721	62,184	2.4%	8.7%
India	4,434	13,184	25,088	28,700	32,848	35,288	37,505	38,559	2.8%	11.3%
Spain	9,918	20,693	22,943	22,990	23,124	23,405	25,583	27,089	5.9%	2.7%
United Kingdom	1,565	5,421	14,306	16,126	19,585	21,767	24,095	24,665	2.4%	16.4%
France	690	5,912	10,298	11,567	13,499	14,900	16,427	17,382	5.8%	11.4%
Brazil	29	927	7,633	10,129	12,304	14,843	15,438	17,198	11.4%	33.9%
Canada	677	3,967	11,214	11,973	12,403	12,816	13,413	13,577	1.2%	13.1%
Italy	1,635	5,794	9,137	9,384	9,737	10,230	10,679	10,839	1.5%	6.5%
The World Top 10	46,962	151,570	348,820	390,107	431,053	471,053	517,015	611,230	18.2%	15.0%
Rest of the world	11,443	29,280	67,428	76,757	83,321	92,777	105,234	122,047	16.0%	15.3%
World	58,405	180,849	416,248	466,864	514,374	563,830	622,249	733,276	17.8%	15.0%

World Wind Power Capacity (2020)

733,276MW



(*) Data source: Eni's calculations on IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi, data.

(**) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Europe	40,705	86,240	147,536	161,507	177,140	188,969	203,902	216,580	6.2%	9.6%
Austria	825	1,016	2,489	2,730	2,887	3,133	3,224	3,224	0.0%	12.2%
Belarus	1	2	43	68	83	101	109	120	10.8%	51.4%
Belgium	167	912	2,176	2,370	2,788	3,268	3,863	4,692	21.4%	17.8%
Bosnia Herzg			0	0	0	51	87	87	0.0%	
Bulgaria	8	488	699	699	698	699	703	703	0.0%	3.7%
Croatia	6	79	418	483	576	586	646	788	22.0%	25.9%
Cyprus	0	82	158	158	158	158	158	158	0.0%	6.7%
Czech Republic	22	213	281	282	308	316	339	339	0.0%	4.8%
Denmark	3,128	3,802	5,077	5,245	5,489	6,115	6,103	6,235	2.2%	5.1%
Estonia	31	108	300	310	312	310	316	316	0.0%	11.3%
Finland	82	197	1,005	1,565	2,044	2,041	2,284	2,474	8.3%	28.8%
France	690	5,912	10,298	11,567	13,499	14,900	16,427	17,382	5.8%	11.4%
Germany	18,248	26,903	44,580	49,435	55,580	58,721	60,721	62,184	2.4%	8.7%
Greece	491	1,298	2,091	2,370	2,624	2,877	3,589	4,113	14.6%	12.2%
Hungary	17	293	329	329	329	329	323	323	0.0%	1.0%
Iceland			3	3	2	2	2	2	0.0%	
Ireland	493	1,390	2,451	2,786	3,318	3,676	4,160	4,300	3.4%	12.0%
Italy	1,635	5,794	9,137	9,384	9,737	10,230	10,679	10,839	1.5%	6.5%
Kosovo		1	1	1	34	34	34	34	0.0%	42.2%
Latvia	26	30	68	70	77	78	78	78	0.0%	10.0%
Lithuania	1	133	436	509	518	533	533	539	1.1%	15.0%
Luxembourg	35	44	64	120	120	123	136	166	22.2%	14.3%
Moldova			1	2	9	33	34	34	0.0%	
Montenegro					72	118	118	118	0.0%	
Netherlands	1,224	2,237	3,391	4,257	4,202	4,393	4,484	6,600	47.2%	11.4%
North Macedonia			37	37	37	37	37	37	0.0%	
Norway	265	425	867	883	1,207	1,710	2,914	3,977	36.5%	25.1%
Poland	121	1,108	4,886	5,747	5,759	5,766	5,837	6,267	7.4%	18.9%
Portugal	1,064	3,796	4,937	5,124	5,124	5,172	5,223	5,239	0.3%	3.3%
Romania	1	389	3,130	3,025	3,030	3,032	3,038	3,023	-0.5%	22.8%
Serbia			10	17	25	227	398	397	-0.3%	
Slovakia	5	3	3	3	4	3	4	4	0.0%	2.9%
Slovenia			5	5	5	5	5	5	0.0%	
Spain	9,918	20,693	22,943	22,990	23,124	23,405	25,583	27,089	5.9%	2.7%
Sweden	522	2,017	5,819	6,435	6,611	7,300	8,681	9,688	11.6%	17.0%
Switzerland	12	42	60	75	75	75	75	87	16.0%	7.6%
Turkey	21	1,320	4,503	5,751	6,516	7,005	7,591	8,832	16.4%	20.9%
Ukraine	77	88	514	526	553	621	1,258	1,402	11.5%	31.9%
United Kingdom	1,565	5,421	14,306	16,126	19,585	21,767	24,095	24,665	2.4%	16.4%
Others Europe	4	4	20	20	20	16	13	19	49.0%	16.6%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Russia and Central Asia	13	15	93	148	163	264	476	1,522	219.7%	59.1%
Russia	10	10	11	11	11	52	102	945	827.7%	57.6%
Armenia	3	3	3	3	3	3	3	3	0.0%	1.0%
Azerbaijan		2	8	16	16	66	66	66	0.0%	41.9%
Georgia				21	21	21	21	21	0.0%	
Kazakhstan			72	98	112	121	284	486	71.4%	
Uzbekistan					1	1	1	1	0.0%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Middle East	45	104	286	423	504	609	769	915	19.0%	24.3%
Iran	37	95	153	191	259	282	302	303	0.3%	12.3%
Israel	6	6	6	27	27	27	27	27	0.0%	16.3%
Jordan	1	1	118	198	198	280	370	515	39.2%	80.5%
Kuwait			2	2	12	12	12	12	0.0%	
Lebanon			3	3	3	3	3	3	0.0%	
Oman							50	50	0.0%	
Saudi Arabia					3	3	3	3	0.0%	
Others Middle East	1	1	3	1	1	1	1	1	0.0%	0.0%

(*) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Countries^(*)

(MW)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Africa	237	862	3,322	3,829	4,581	5,469	5,769	6,491	12.5%	22.4%
Algeria			10	10	10	10	10	10	0.0%	
Egypt	145	550	750	750	750	1,125	1,375	1,375	0.0%	9.6%
Ethiopia			324	324	324	324	324	324	0.0%	
Kenya	0	6	26	26	26	336	336	336	0.0%	50.5%
Mauritania			34	34	34	34	34	34	0.0%	
Morocco	54	221	797	897	1,023	1,225	1,225	1,405	14.7%	20.3%
Namibia	0	0	0	0	5	5	5	5	0.0%	37.3%
Nigeria	2	2	3	3	3	3	3	3	0.0%	3.8%
Senegal							50	50	0.0%	
Somalia			3	3	4	4	4	4	0.0%	
South Africa	3	10	1,079	1,473	2,094	2,094	2,094	2,636	25.9%	74.3%
Tunisia	19	54	244	244	244	244	244	244	0.0%	16.3%
Others Africa	13	19	52	64	64	64	64	64	0.0%	12.9%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Asia-Pacific	7,811	48,522	166,707	189,156	210,460	235,561	265,112	341,897	29.0%	21.6%
Australia	740	1,864	4,234	4,327	4,816	5,679	7,133	9,457	32.6%	17.6%
China	1,060	29,633	131,048	148,517	164,374	184,665	209,582	281,993	34.6%	25.3%
India	4,434	13,184	25,088	28,700	32,848	35,288	37,505	38,559	2.8%	11.3%
Indonesia		0	1	1	1	144	154	154	0.0%	84.4%
Japan	1,227	2,294	2,808	3,247	3,483	3,667	3,786	4,206	11.1%	6.2%
Mongolia	0	1	51	51	101	156	156	156	0.0%	72.4%
New Zealand	168	524	689	689	689	689	689	784	13.8%	4.1%
Pakistan		6	308	591	789	1,186	1,236	1,236	0.0%	70.4%
Philippines	33	33	427	427	427	427	443	443	0.0%	29.7%
South Korea	99	382	847	1,067	1,215	1,420	1,512	1,636	8.2%	15.7%
Sri Lanka	3	34	131	131	131	128	128	252	96.1%	22.2%
Taiwan	24	476	647	682	692	713	845	854	1.0%	6.0%
Thailand		6	234	507	628	1,103	1,507	1,507	0.0%	75.0%
Vietnam		31	136	160	205	237	375	600	60.2%	34.5%
Others Asia - Pacific	23	55	58	58	59	60	61	61	0.0%	1.1%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)	CAGR (2020-2010)
Americas	9,594	45,106	98,303	111,801	121,526	132,958	146,220	165,872	13.4%	13.9%
Argentina	28	28	187	187	227	750	1,609	2,624	63.0%	57.6%
Bolivia		0	3	27	27	27	27	27	0.0%	75.0%
Brazil	29	927	7,633	10,129	12,304	14,843	15,438	17,198	11.4%	33.9%
Canada	677	3,967	11,214	11,973	12,403	12,816	13,413	13,577	1.2%	13.1%
Chile	2	163	910	1,039	1,305	1,524	1,620	2,149	32.6%	29.4%
Colombia	10	18	18	18	18	18	18	510	2671.0%	39.7%
Costa Rica	69	116	272	365	378	408	411	394	-4.2%	13.0%
Cuba	2	7	12	12	12	12	12	12	0.0%	4.9%
Curaçao	12	9	30	30	47	47	47	47	0.0%	18.0%
Dominican Republic			85	135	135	183	370	370	0.1%	
Ecuador		2	21	21	21	21	21	21	0.0%	24.3%
Guatemala			76	76	76	107	107	107	0.0%	
Honduras			152	175	225	225	241	241	0.0%	
Jamaica	21	39	39	99	99	99	99	99	0.0%	9.8%
Mexico	18	519	3,271	4,051	4,199	4,875	6,591	8,128	23.3%	31.7%
Nicaragua		63	186	186	186	186	186	186	0.0%	11.4%
Panama			253	270	270	270	270	270	0.0%	
Peru	1	1	240	240	240	372	376	376	0.0%	87.5%
United States	8,706	39,135	72,573	81,286	87,597	94,417	103,571	117,744	13.7%	11.6%
Uruguay	0	41	857	1,211	1,511	1,511	1,514	1,514	0.0%	43.6%
Venezuela			71	71	71	71	71	71	0.0%	
Others Americas	20	72	199	199	175	174	207	207	0.0%	11.1%

(*) Data source: IRENA (2021), *Renewable Energy Statistics* 2021 The International Renewable Energy Agency, Abu Dhabi.

Areas and Aggregates^(*)

(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Europe	71,602	154,012	319,000	322,911	384,189	403,197	462,749		14.8%	13.0%
Russia and Central Asia	7	12	288	457	592	862	1,231		42.8%	67.3%
Middle East	85	174	362	660	966	1,465	1,656		13.0%	28.4%
Africa	819	2,373	8,555	10,464	11,538	15,740	17,461		10.9%	24.8%
Asia - Pacific	11,747	77,063	245,699	312,609	382,518	467,892	518,299		10.8%	23.6%
Americas	20,204	108,569	260,090	315,924	355,051	387,597	426,016		9.9%	16.4%
- North America	19,448	103,872	219,956	260,401	288,760	309,017	330,857	377,516	14.1%	13.8%
- Central South America	756	4,697	40,134	55,523	66,291	78,580	95,159		21.1%	39.7%
World	104,464	342,203	833,994	963,025	1,134,854	1,276,753	1,427,412		11.8%	17.2%
European Union	70,997	150,127	303,479	303,993	361,948	377,413	431,450	472,664	9.6%	12.2%
MENA	885	2,470	5,406	6,363	6,792	8,788	10,554		20.1%	17.5%
OECD	94,413	269,774	559,810	608,094	698,766	745,010	832,212	934,520	12.3%	13.2%
NON OECD	10,051	72,429	274,184	354,931	436,088	531,743	595,200		11.9%	26.4%
OPEC	71	163	335	373	428	655	689		5.2%	17.4%
NON OPEC	104,393	342,040	833,659	962,652	1,134,426	1,276,098	1,426,723		11.8%	17.2%

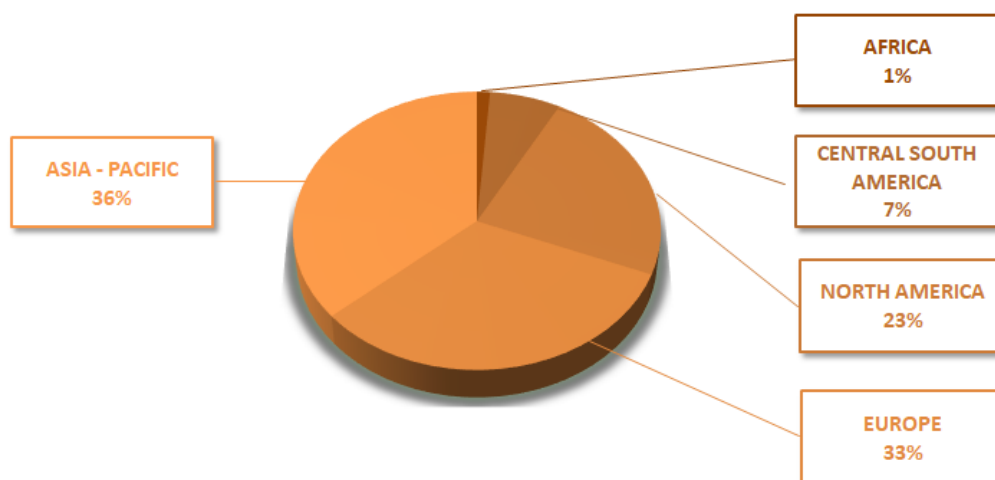
The World Top 10^(***)

(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
China	2,028	44,622	185,766	237,070	297,230	365,971	406,032	471,175	16.0%	26.6%
United States	17,881	95,148	192,992	229,471	257,249	275,834	298,200	341,416	14.5%	13.6%
Germany	27,774	38,547	80,624	79,924	105,693	109,951	125,894	130,965	4.0%	13.0%
United Kingdom	2,904	10,286	40,275	37,159	49,641	56,906	64,335	75,610	17.5%	22.1%
India	6,211	19,657	35,075	48,281	54,994	65,710	69,949	66,148	-5.4%	12.9%
Brazil	93	2,177	21,626	33,488	42,373	48,475	55,986	57,051	1.9%	38.6%
Spain	21,176	44,271	49,325	48,905	49,127	50,896	55,647	56,273	1.1%	2.4%
France	962	9,945	21,421	21,381	24,609	28,599	34,722	40,704	17.2%	15.1%
Canada	1,567	8,724	26,964	30,930	31,511	33,183	32,657	36,100	10.5%	15.3%
Turkey	59	2,916	11,652	15,517	17,904	19,949	21,731	24,703	13.7%	23.8%
The World Top 10	80,655	276,293	665,720	782,126	930,331	1,055,474	1,165,153	1,300,145	11.6%	16.8%
Rest of the world	23,809	65,910	168,274	180,899	204,523	221,279	262,259		18.5%	16.6%
World	104,464	342,203	833,994	963,025	1,134,854	1,276,753	1,427,412		11.8%	17.2%

World Wind Power Generation (2019)

1,427,412 GWh

(*) Data source: Eni's calculations on IEA (2021) *Extended Balances* data. All rights reserved

(**) When 2020 data is missing, the figure refers to the latest available years.

(***) Data source: IEA (2021) *Extended Balances*. All rights reserved.

Countries(*)
(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Europe	71,602	154,012	319,000	322,911	384,189	403,197	462,749		14.8%	13.0%
Austria	1,331	2,064	4,840	5,235	6,572	6,030	7,477	6,792	-9.2%	12.6%
Belarus	1	1	26	75	97	99	178	194	9.0%	69.3%
Belgium	227	1,292	5,574	5,438	6,514	7,465	9,726	12,871	32.3%	25.8%
Bosnia Herzg						103	254	262	3.1%	
Bulgaria	5	681	1,452	1,425	1,504	1,318	1,317	1,477	12.1%	8.0%
Croatia	10	139	796	1,014	1,204	1,335	1,467	1,721	17.3%	28.6%
Cyprus		32	222	227	211	221	239	240	0.4%	22.3%
Czech Republic	21	335	573	497	591	609	700	699	-0.1%	7.6%
Denmark	6,614	7,809	14,133	12,782	14,780	13,902	16,150	16,353	1.3%	7.7%
Estonia	54	277	715	594	723	636	687	844	22.9%	11.8%
Finland	170	294	2,327	3,068	4,795	5,839	6,025	7,938	31.8%	39.0%
France	962	9,945	21,421	21,381	24,609	28,599	34,722	40,704	17.2%	15.1%
Germany	27,774	38,547	80,624	79,924	105,693	109,951	125,894	130,965	4.0%	13.0%
Greece	1,266	2,714	4,621	5,146	5,537	6,300	7,266	9,321	28.3%	13.1%
Hungary	10	534	693	684	758	607	729	655	-10.2%	2.1%
Ireland	1,112	2,815	6,573	6,147	7,444	8,640	10,019	11,549	15.3%	15.2%
Italy	2,344	9,126	14,844	17,689	17,742	17,716	20,202	18,702	-7.4%	7.4%
Kosovo		1				30	91	91	0.0%	57.0%
Latvia	47	49	147	128	150	122	154	177	14.9%	13.7%
Lithuania	2	224	810	1,136	1,364	1,144	1,499	1,552	3.5%	21.4%
Luxembourg	52	55	102	101	235	255	281	338	20.3%	19.9%
Moldova			2	3	7	23	43	51	18.6%	
Montenegro					97	143	293		104.9%	
Netherlands	2,067	3,993	7,550	8,170	10,569	10,549	11,508	15,339	33.3%	14.4%
North Macedonia			121	109	110	97	102	117	14.7%	
Norway	499	879	2,515	2,116	2,854	3,876	5,536	9,911	79.0%	27.4%
Poland	135	1,664	10,858	12,588	14,909	12,799	15,107	15,800	4.6%	25.2%
Portugal	1,773	9,182	11,607	12,474	12,248	12,617	13,667	12,263	-10.3%	2.9%
Romania		306	7,063	6,590	7,407	6,322	6,773	6,945	2.5%	36.6%
Serbia				26	48	150	898	1,030	14.7%	
Spain	21,176	44,271	49,325	48,905	49,127	50,896	55,647	56,273	1.1%	2.4%
Sweden	935	3,487	16,322	15,479	17,609	16,623	19,847	27,526	38.7%	23.0%
Switzerland	8	37	110	109	133	122	146	145	-0.7%	14.6%
Turkey	59	2,916	11,652	15,517	17,904	19,949	21,731	24,703	13.7%	23.8%
Ukraine	38	51	1,084	954	983	1,188	2,020	1,932	-4.4%	43.8%
United Kingdom	2,904	10,286	40,275	37,159	49,641	56,906	64,335	75,610	17.5%	22.1%
Others Europe	6	6	23	21	20	16	19		18.8%	13.7%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Russia and Central Asia	7	12	288	457	592	862	1,231		42.8%	67.3%
Russia	7	4	148	148	140	232	331	1,138	243.8%	76.0%
Armenia		7	3	2	2	2	3	2	-33.3%	-11.8%
Azerbaijan		1	5	23	22	83	105	96	-8.6%	57.8%
Georgia				9	88	84	85	91	7.1%	
Kazakhstan			132	275	340	461	707		53.4%	

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Middle East	85	174	362	660	966	1,465	1,656		13.0%	28.4%
Iran	71	163	221	250	307	518	555	555	0.0%	13.0%
Israel	11	8	7	7	180	183	184	227	23.4%	39.7%
Jordan	3	3	121	391	448	720	875		21.5%	87.9%
Kuwait			6	6	25	38	36		-5.3%	
Others Middle East			7	6	6	6	6		0.0%	

(*) Data source: IEA (2021) *Extended Balances*. All rights reserved.

(**) When 2020 data is missing, the figure refers to the latest available years.

Countries^(*)
(GWh)

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Africa	819	2,373	8,555	10,464	11,538	15,740	17,461		10.9%	24.8%
Egypt	552	1,498	2,058	2,200	2,334	3,018	3,689		22.2%	10.5%
Ethiopia			759	782	533	533	533		0.0%	
Kenya		18	57	63	48	1,191	1,156		-2.9%	58.8%
Mauritania			104	104	104	104	115		10.6%	
Morocco	206	659	2,519	3,000	3,035	3,841	4,699	4,592	-2.3%	21.4%
South Africa	12	34	2,500	3,700	4,924	6,467	6,624	5,937	-10.4%	67.6%
Tunisia	42	139	448	474	449	453	500		10.4%	15.3%
Others Africa	7	25	110	141	111	133	145		9.0%	21.6%

	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Asia-Pacific	11,747	77,063	245,699	312,609	382,518	467,892	518,299		10.8%	23.6%
Australia	885	5,052	11,467	12,199	12,597	15,164	17,712	20,396	15.2%	15.0%
China	2,028	44,622	185,766	237,070	297,230	365,971	406,032	471,175	16.0%	26.6%
India	6,211	19,657	35,075	48,281	54,994	65,710	69,949	66,148	-5.4%	12.9%
Indonesia		4	4	6	6	190	484	473	-2.3%	61.2%
Japan	1,751	4,016	5,580	6,166	6,490	7,481	7,673	8,654	12.8%	8.0%
Mongolia		1	154	154	136	301	476		58.1%	98.4%
New Zealand	614	1,637	2,364	2,330	2,086	2,067	2,254	2,302	2.1%	3.5%
Pakistan			786	1,326	2,101	3,161	3,294		4.2%	
Philippines	17	62	748	975	1,094	1,153	1,042		-9.6%	36.8%
South Korea	130	817	1,342	1,683	2,169	2,465	2,681	3,153	17.6%	14.5%
Sri Lanka	2	53	343	345	365	325	348		7.1%	23.3%
Taiwan	91	1,026	1,526	1,458	1,722	1,707	1,892	2,421	28.0%	9.0%
Thailand			329	345	1,110	1,641	3,670	3,083	-16.0%	
Vietnam		50	124	201	350	487	722		48.3%	34.5%
Others Asia-Pacific	18	66	91	70	68	69	70		1.4%	0.7%

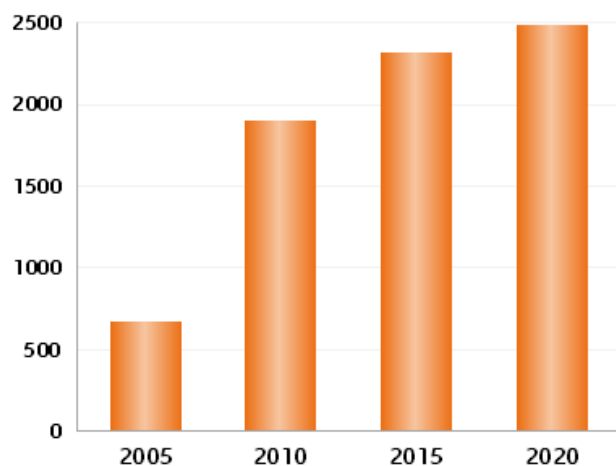
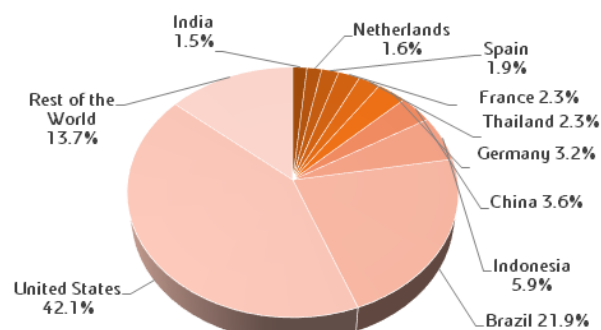
	2005	2010	2015	2016	2017	2018	2019	2020	Δ y/y (2020-2019)**	CAGR (2020-2010)**
Americas	20,204	108,569	260,090	315,924	355,051	387,597	426,016		9.9%	16.4%
Argentina	72	25	593	548	612	1,413	4,997	9,412	88.4%	81.0%
Bolivia			12	35	60	59	70	64	-8.6%	
Brazil	93	2,177	21,626	33,488	42,373	48,475	55,986	57,051	1.9%	38.6%
Canada	1,567	8,724	26,964	30,930	31,511	33,183	32,657	36,100	10.5%	15.3%
Chile	7	332	2,115	2,449	3,521	3,588	4,897	5,524	12.8%	32.5%
Colombia	49	39	68	51	3	43	63	63	0.0%	4.9%
Costa Rica	204	359	1,080	1,147	1,288	1,799	1,796	1,459	-18.8%	15.1%
Cuba	2	12	21	21	21	21	21		0.0%	6.4%
Curacao	71	63	124	130	169	234	208		-11.1%	14.2%
Dominican Republic			290	323	390	497	552		11.1%	
Ecuador		3	99	84	73	80	86	77	-10.5%	38.3%
Guatemala			107	215	218	320	331	313	-5.4%	
Honduras			665	574	578	929	819		-11.8%	
Jamaica	50	53	125	190	289	302	272		-9.9%	19.9%
Mexico	19	1,239	8,745	10,378	10,442	12,877	16,880	19,701	16.7%	31.9%
Nicaragua		163	865	729	635	801	730		-8.9%	18.1%
Panama			419	625	491	588	725		23.3%	
Peru	1	1	595	1,063	1,073	1,502	1,654	1,812	9.6%	111.7%
United States	17,881	95,148	192,992	229,471	257,249	275,834	298,200	341,416	14.5%	13.6%
Uruguay		70	2,065	2,994	3,774	4,732	4,752	5,438	14.4%	54.5%
Venezuela			88	88	88	88	88		0.0%	
Others Americas	188	161	432	391	193	232	232		0.0%	4.1%

(*) Data source: IEA (2021) *Extended Balances*. All rights reserved.

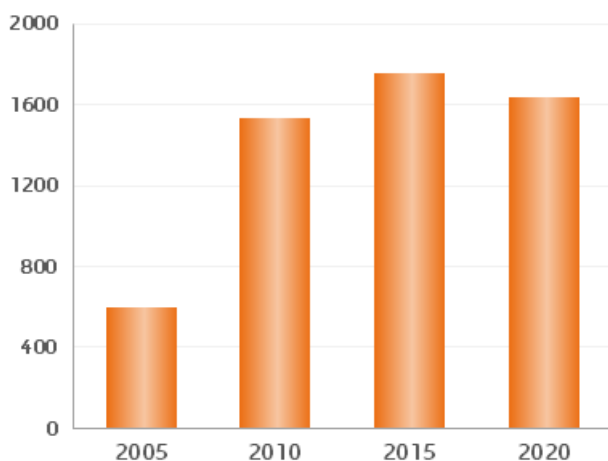
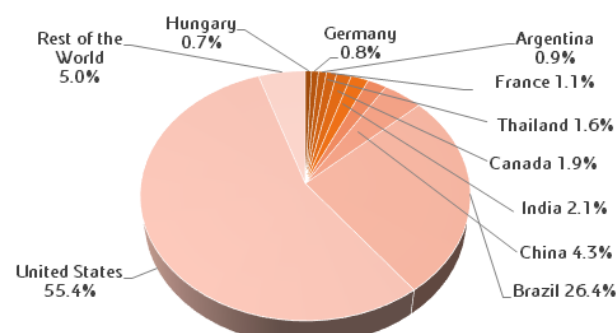
(**) When 2020 data is missing, the figure refers to the latest available years.

Total Biofuels^(*)

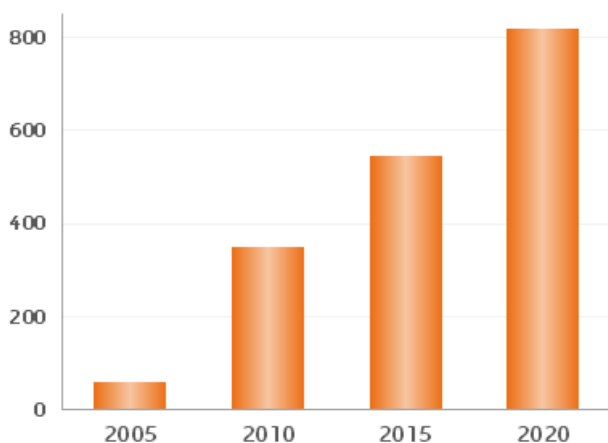
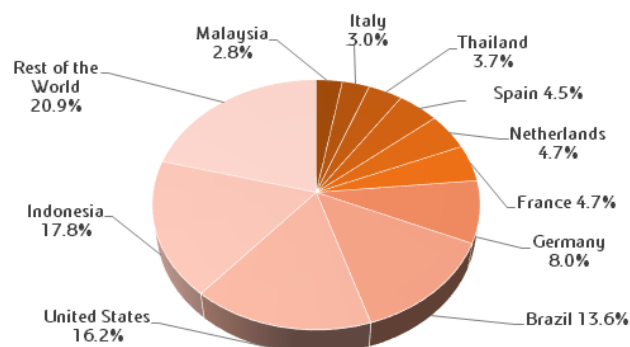
(thousand barrels/day)

World**2020****World: 2,485** thousand barrels/day**Biogasoline^(*)**

(thousand barrels/day)

World**2020****World: 1,640** thousand barrels/day**Biodiesel^(*)**

(thousand barrels/day)

World**2020****World: 819** thousand barrels/day(*) Data source: IEA (2021) *Extended Balances* and EIA DOE. All rights reserved.

Total Biofuels include biogasoline (also ethanol used pure in Brazil "Hydrous"), biodiesel and other liquid biofuels.



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