



World Energy Review 2025





World
Energy
Review
2025

Dear readers,

Eni releases the 24th edition of the **WER "World Energy Review"** our statistical review, which offers a detailed, factual, and up-to-date overview of the global energy trends. It is a valuable tool for knowledge and reflection, useful for understanding the trends, challenges, and opportunities in a constantly evolving sector, with the aim of offering an integrated reading of the markets.

In 2024, as in the previous year, the energy scenario was marked by strong geopolitical tensions, with the ongoing conflict between Russia and Ukraine and the escalation in the Middle East, which have profoundly affected market dynamics and supply security. **The global economy has shown resilience**, growing moderately albeit unevenly, with **energy demand** continuing the almost uninterrupted growth trend observed over recent decades, **met by a substantially stable mix** in which traditional sources still played the main role.

Oil consumption exceeded pre-pandemic levels, driven mainly by non-OECD Countries. **Supply also increased**, with a significant contribution **from the United States**. Operators' expectations, amid fears of economic slowdown and possible rebounds in OPEC+ output, influenced **Brent** prices, averaging 80.8 \$/b.

The **gas market** was characterized by an **unstable balance** influenced by climatic, geopolitical, and structural factors. After a mild winter and record storage levels at the end of the season, there was a subsequent recovery in demand, some uncertainties on the supply side, and tensions linked to geopolitical risks. In this scenario, prices at the main international hubs showed an average decrease of 14% compared to 2023.

Installations of intermittent renewable sources (solar photovoltaic and wind) grew at a sustained pace in recent years, **reaching a new global record in 2024**. **Biofuel production also increased**, contributing to the decarbonization of the transport sector. There was also steady **growth** in the **production of critical minerals**, highlighting their strategic role in the supply chains of the new energy paradigm.

Finally, to complete the picture of the global energy system, **total CO₂ emissions** increased in 2024, reaching a new all-time high, despite significant reduction efforts in some advanced economies.

I hope you find this insightful read.

Claudio Descalzi
Chief Executive Officer

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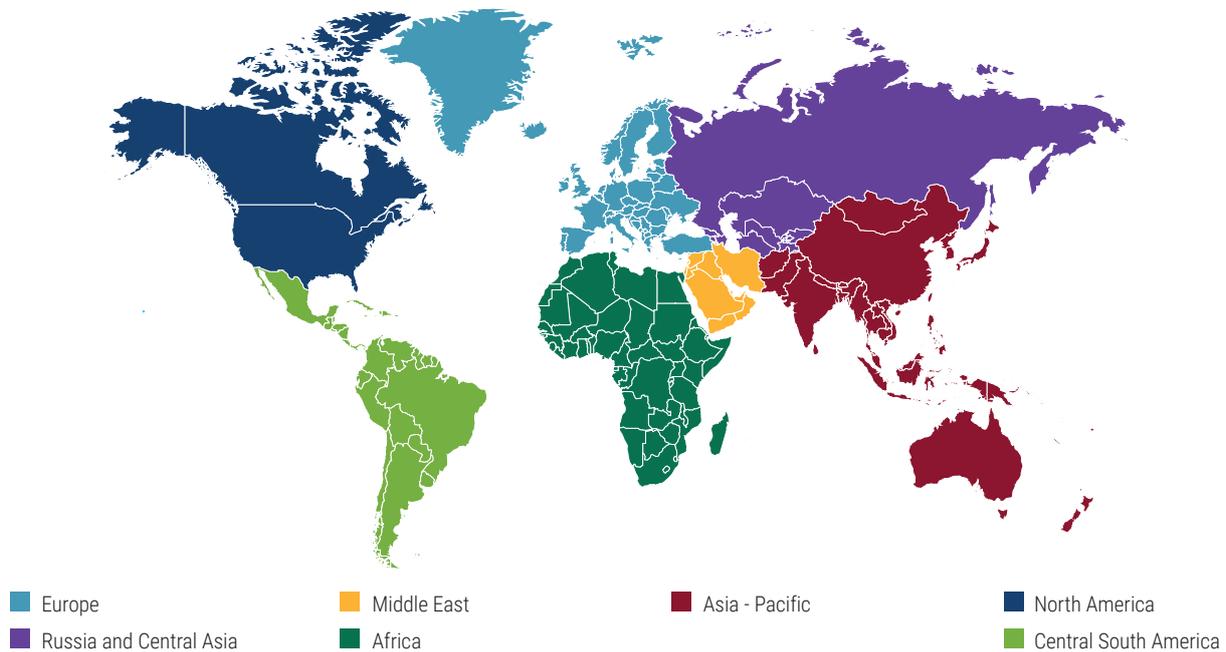
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Introduction

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List of Countries



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, Türkiye, 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, Bhutan, 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, Curaçao, Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Uruguay and Venezuela.
- **European Union 27:** 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 and Sweden.
- **OECD:** Australia, Austria, Belgium, Canada, Chile, Colombia, Costa Rica, 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, Türkiye, United Kingdom and United States.
- **OPEC:** Algeria, 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. This Review has been prepared by the Market Scenarios and Strategic Options Unit.

Notes and Methods

Economy

The sources of the data is S&P Global.

In all the chapters of economy, total 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, the list of the “The World’s Top 10” is drawn up by ordering the Countries on the basis of the last available year.

Oil

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

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

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

Blank spaces in the tables indicate that the figure was not available, zero indicates a figure that is not significant (except for the chapters “Production Quality” where “zero” is used for both not available and not significant figures). Total may differ from the sum of the individual figures as a result of rounding up/down. Percentages have been calculated before rounding.

Supply and Demand - Trade and Prices

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

In all the chapters, the list of the “The World’s 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’s 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: $API\ gravity = (141.5/SG\ at\ 60^{\circ}F) - 131.5$, 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.

For the definition of the qualitative parameters for single crudes, the data of “Eni – Downstream R&D 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	Factors for the FCC (%)	Factors for the NCI	Conversion type	Factors for the FCC (%)	Factors for the NCI
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-In	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

Coal

The sources of the data are IEA (2025) Extended Balances data and Eni's estimates on them.

In all the chapters ("Consumption" and "Production"), the list of the "The World's Top 10" is drawn up by ordering the Countries on the basis of the last available year.

CO₂ Emissions

The sources of the data is IEA (2025) Greenhouse Gas Emissions from Energy.

In this chapter, total may differ from the sum of the individual figures as a result of rounding up/down. Percentages have been calculated before rounding.

In this chapter, the list of the "The World's Top 10" is drawn up by ordering the Countries on the basis of the last available year.

Blank spaces in the tables indicate that the figure was not available.

Natural Gas

The sources of the data are: EIA DOE, Enerdata, International Energy Agency (IEA), Italian Ministry of Environment and Energy Security, Norwegian Petroleum Directorate, Oil & Gas Journal, OPEC, S&P Global, Wood MacKenzie and other official sources.

Blank spaces in the tables indicate that the figure was not available, zero indicates a figure that is not significant (except for the two chapters "Imports by Country of Origin" and "LNG Liquefaction and Regasification Capacity" in the section "Natural Gas" and for the whole section "Renewables").

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

Percentages have been calculated before rounding.

In 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's 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's 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.

Renewables - Power Generation

The sources of the data are: IEA (2025) Extended Balances data and International Renewable Energy Agency (IRENA).

In all the chapters of Power Generation focus ("Hydroelectric" and "Nuclear"), total 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, the list of the "The World's Top 10" is drawn up by ordering the Countries on the basis of the last available year.

Blank spaces in the tables indicate that the figure was not available.

Critical Minerals

The source of the data is U.S. Geological Survey.

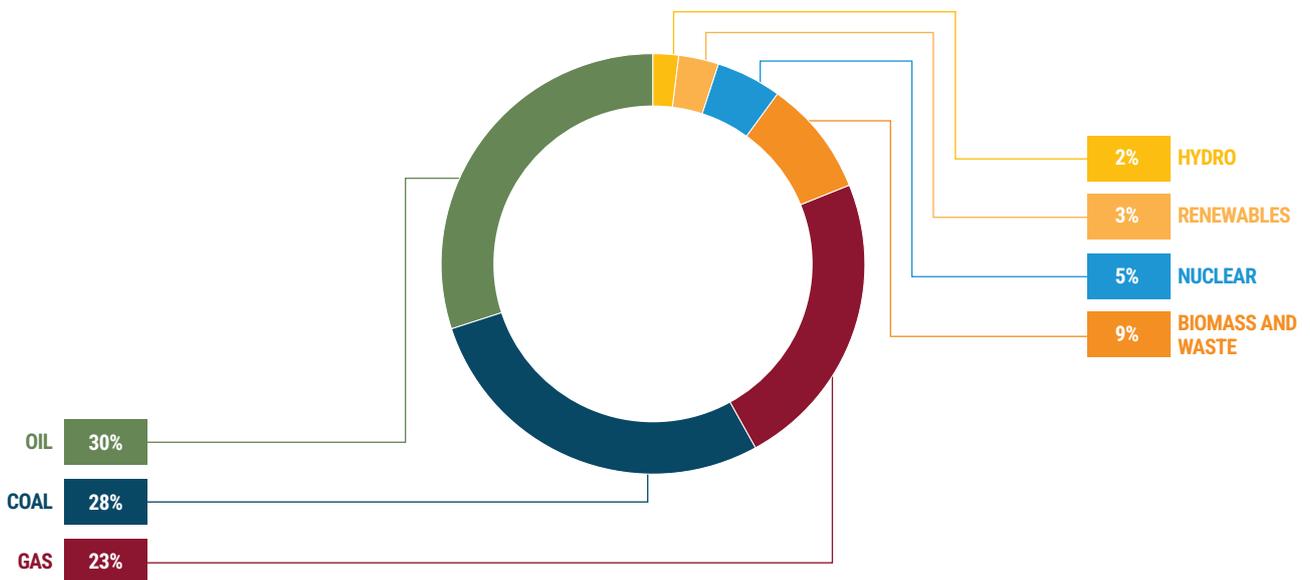
In all the chapters, the list of the "The World's Top 10..." is drawn up by ordering the Countries on the basis of the last available year.

World Energy Mix

In 2024, global **primary energy consumption** reached approximately 15.5 Gtoe, marking a growth of approximately 2% compared to 2023, in line with the nearly unbroken trend observed over recent decades. The composition of the energy mix remained largely unchanged: fossil fuels continued to meet about 80% of demand, with stable shares for oil (30%), coal (28%), and natural gas (23%), confirming the trend over the last thirty years. While renewable sources such as solar PV and wind grew, their contribution to the energy mix remained limited at less than 3%.

World Energy Mix 2024^(*)

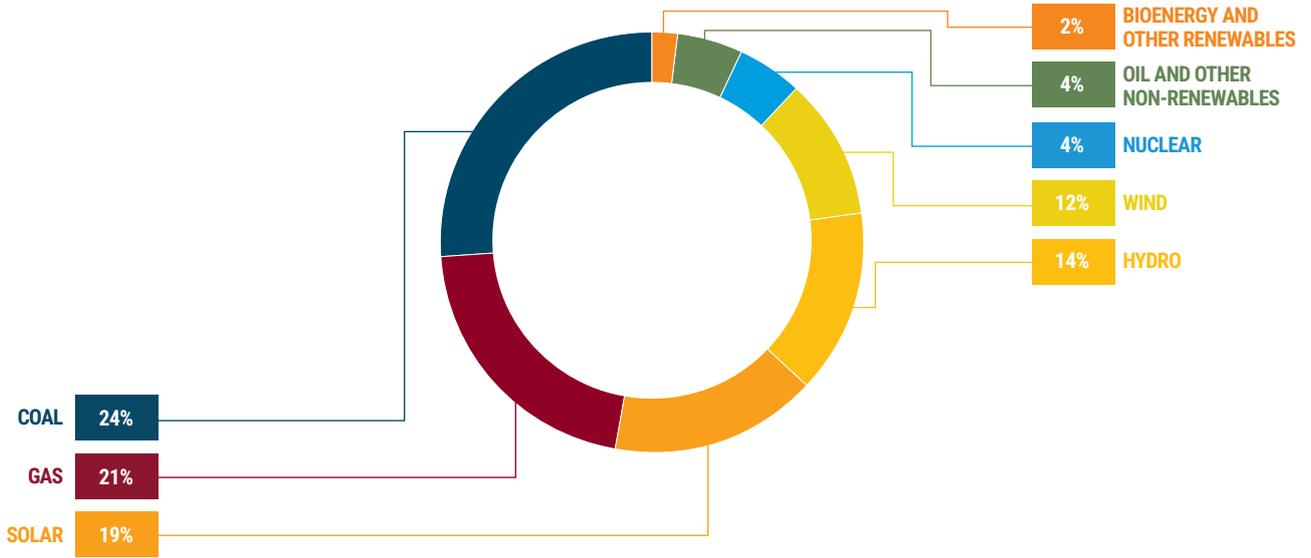
(~15.5 Gtoe)



^(*) Data source: Eni's preliminary estimates.

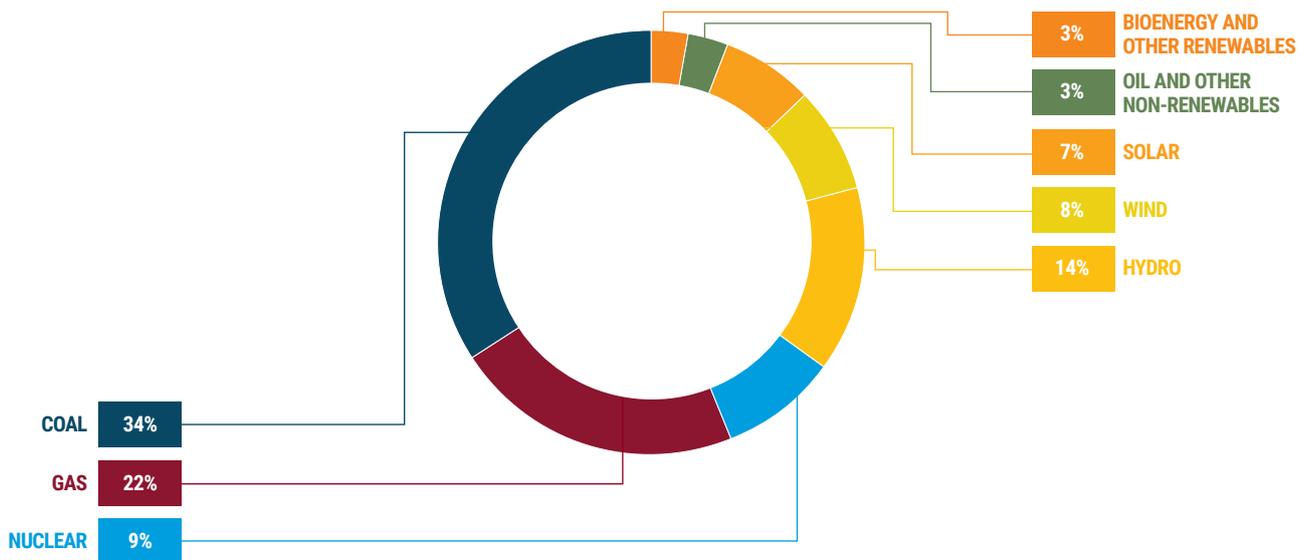
World Power Capacity Mix 2024^(*)

(~9,600 GW)



World Power Generation Mix 2024^(*)

(~31,000 TWh)



^(*) Data source: Eni's preliminary estimates.



Economy

In 2024, the global **population** surpassed 8 billion people (+70 million), continuing the growth trend observed over the past 15 years at around 1% year-on-year. This growth was concentrated in Africa (+2.4%) and the Middle East (+2.1%), while Europe remained virtually stable (+0.04%).

At a country level, India, with more than 1.4 billion people, confirmed its position as the most populous country in the world, consolidating its lead over China, which saw a decline of 3.3 million people. Among the top ten by population, the most significant increases came from African countries (Nigeria +2.1%, Democratic Republic of Congo +3.3%), followed by Pakistan, Bangladesh, and the United States. Population declined in Russia with a downward trend since 2019.

On the **economic side**, global growth remained moderate and uneven. The United States reaffirmed its role as the main driver of global economic activity, supported by strong private consumption, public spending, and a still dynamic labor market. In the euro area, economic activity was more subdued, with **GDP** increasing by 1.2%. Growth was driven by both private and public consumption, along with a positive contribution from foreign trade, while investments declined due to a large amount of unused production capacity and still restrictive financial conditions.

Among emerging economies, China continued to grow (+5%), albeit at a slower pace than in the past. Exports and high-tech sectors gave the largest contributions, but the overall momentum was limited by weakening domestic demand, a crisis in the real estate sector, and demographic decline. India confirmed its robust expansion (+6.7%), fueled by infrastructure investments, strong domestic demand, and the development of services and the technology sector.

In Latin America, the picture was more mixed: Brazil (+3%) and Mexico (+1.2%) posted moderate growth, while Argentina still experienced difficulties (-1.3%) due to macroeconomic imbalances and high inflation.

Economy

POPULATION

Areas and Aggregates

The World's Top 10

Countries

REAL GDP LEVELS

Areas and Aggregates

The World's Top 10

Countries

Population

Areas and Aggregates^(*)

(millions of persons)

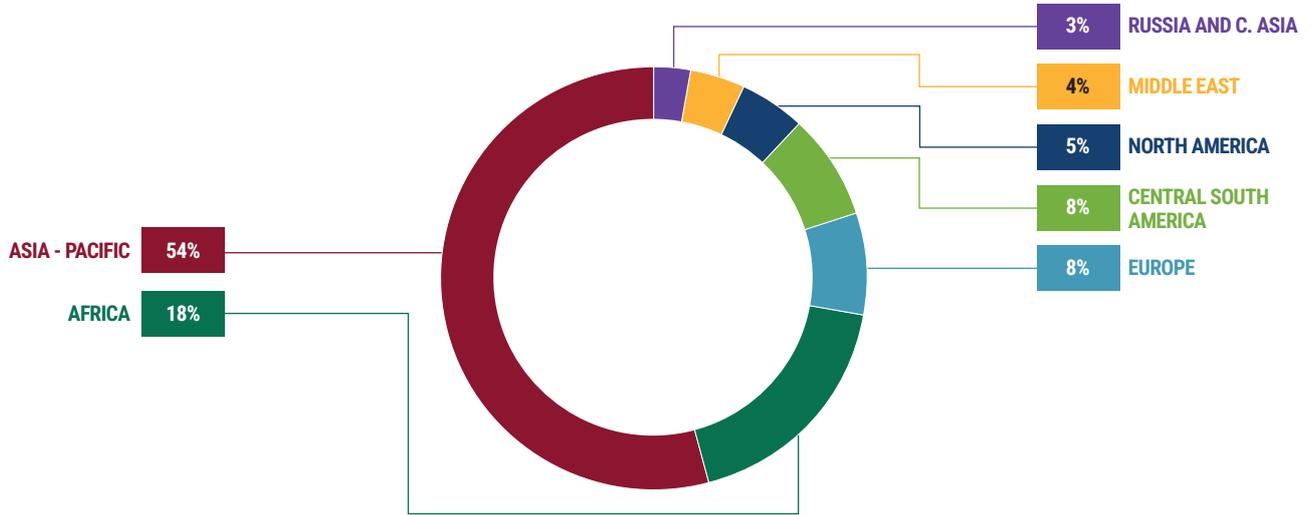
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	667.4	679.3	688.9	689.8	690.1	688.7	687.5	687.8	0.0%	0.2%
Russia and Central Asia	223.8	231.5	238.3	239.7	240.6	241.9	243.3	244.2	0.3%	0.6%
Middle East	222.1	249.8	267.0	271.1	275.5	281.9	288.9	295.0	2.1%	2.0%
Africa	1,058.2	1,204.9	1,331.9	1,364.4	1,397.0	1,429.8	1,463.7	1,498.3	2.4%	2.5%
Asia - Pacific	3,899.9	4,106.0	4,249.8	4,279.7	4,303.9	4,325.4	4,347.5	4,369.1	0.5%	0.8%
Americas	932.8	977.5	1,010.0	1,016.2	1,021.0	1,027.6	1,036.1	1,044.6	0.8%	0.8%
- North America	344.4	358.0	368.3	369.9	371.0	373.7	377.7	381.6	1.0%	0.7%
- Central South America	588.4	619.6	641.7	646.2	650.0	653.9	658.4	663.0	0.7%	0.9%
World	7,004.3	7,449.1	7,785.9	7,860.8	7,928.0	7,995.3	8,067.0	8,138.9	0.9%	1.1%
European Union 27	440.7	444.1	447.6	448.0	447.9	449.2	450.6	450.1	-0.1%	0.2%
MENA	393.2	437.5	467.9	475.0	482.2	491.3	501.4	510.6	1.8%	1.9%
OECD	1,291.7	1,334.1	1,367.8	1,373.1	1,376.6	1,383.0	1,391.0	1,397.0	0.4%	0.6%
NON OECD	5,712.7	6,115.0	6,418.1	6,487.7	6,551.5	6,612.3	6,676.0	6,741.9	1.0%	1.2%
OPEC	412.3	467.2	503.1	511.5	520.2	530.6	541.3	551.5	1.9%	2.1%
NON OPEC	6,592.0	6,981.9	7,282.7	7,349.3	7,407.8	7,464.7	7,525.6	7,587.5	0.8%	1.0%

^(*)Data source: S&P Global data.

Population

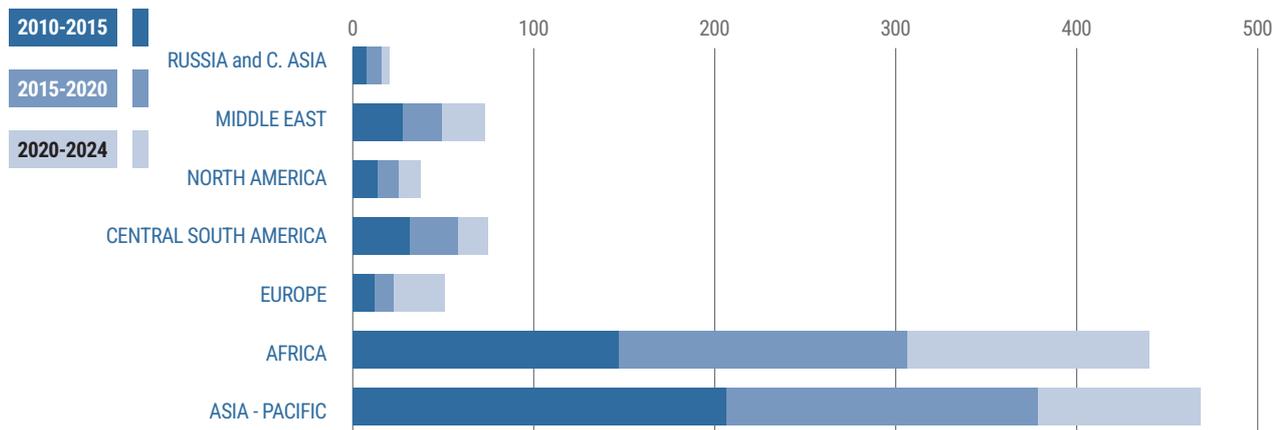
World Population (2024)

8,138.9 millions of persons



World Population Growth (2010-2024)

1,134.6 millions of persons



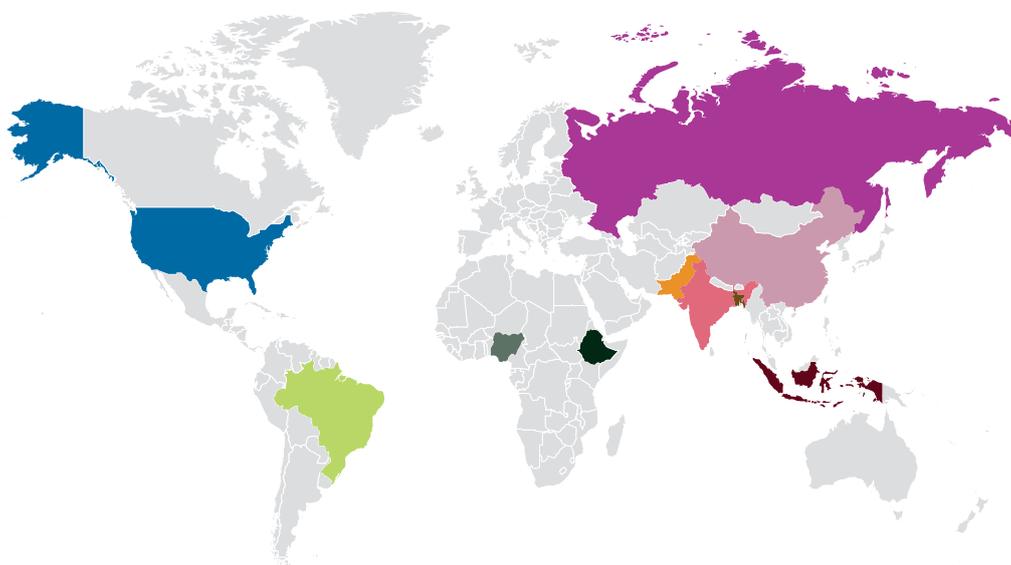
Population

The World's Top 10^(*)

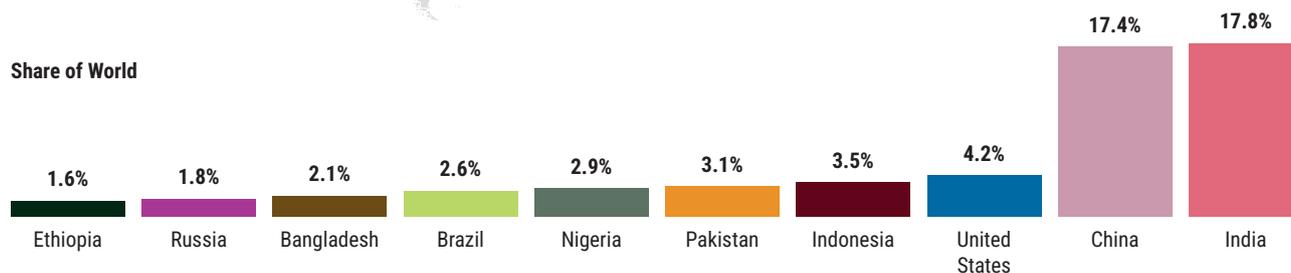
(millions of persons)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
India	1,243.5	1,328.0	1,389.0	1,402.6	1,414.2	1,425.4	1,438.1	1,450.9	0.8%	1.1%
China	1,351.6	1,396.1	1,423.5	1,426.1	1,426.4	1,425.2	1,422.6	1,419.3	0.0%	0.4%
United States	310.2	322.0	330.6	331.8	332.5	334.9	338.4	341.8	1.1%	0.7%
Indonesia	246.3	261.8	272.5	274.8	276.8	278.8	281.2	283.5	0.7%	1.0%
Pakistan	199.2	217.3	230.8	235.0	239.5	243.7	247.5	251.3	1.6%	1.7%
Nigeria	166.6	190.7	209.5	214.0	218.5	223.2	227.9	232.7	2.4%	2.6%
Brazil	193.7	201.7	207.5	208.7	209.6	210.3	211.1	212.0	0.5%	0.8%
Bangladesh	152.2	159.4	164.9	166.3	167.7	169.4	171.5	173.6	1.2%	0.9%
Russia	143.9	145.3	146.5	146.4	145.8	145.6	145.4	144.8	-0.2%	0.1%
Ethiopia	90.5	103.9	115.7	118.9	122.1	125.4	128.7	132.1	2.6%	2.7%
The World's Top 10	4,097.8	4,326.2	4,490.5	4,524.5	4,553.1	4,581.8	4,612.3	4,642.0	0.6%	0.9%
Rest of the World	2,906.5	3,122.9	3,295.4	3,336.2	3,374.9	3,413.5	3,454.6	3,496.9	1.2%	1.3%
World	7,004.3	7,449.1	7,785.9	7,860.8	7,928.0	7,995.3	8,067.0	8,138.9	0.9%	1.1%

The World's Top 10 (2024)



Share of World



^(*)Data source: S&P Global data.

Population

Countries^(*)

(millions of persons)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	667.4	679.3	688.9	689.8	690.1	688.7	687.5	687.8	0.0%	0.2%
Albania	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.7	-0.7%	-0.4%
Austria	8.4	8.6	8.9	8.9	9.0	9.1	9.1	9.1	-0.1%	0.6%
Belarus	9.5	9.5	9.4	9.4	9.3	9.2	9.1	9.1	-0.6%	-0.3%
Belgium	10.9	11.3	11.5	11.5	11.6	11.6	11.7	11.7	0.2%	0.5%
Bosnia Herzegovina	3.8	3.5	3.3	3.3	3.2	3.2	3.2	3.2	-0.7%	-1.3%
Bulgaria	7.4	7.2	7.0	6.9	6.9	6.8	6.8	6.8	-0.6%	-0.7%
Croatia	4.4	4.3	4.1	4.1	4.1	4.0	4.0	4.0	-0.5%	-0.7%
Cyprus	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.0%	1.3%
Czech Republic	10.5	10.5	10.6	10.6	10.5	10.7	10.8	10.7	-0.7%	0.2%
Denmark	5.5	5.7	5.8	5.8	5.9	5.9	5.9	6.0	0.5%	0.5%
Estonia	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	-0.5%	0.2%
Finland	5.4	5.5	5.5	5.5	5.5	5.6	5.6	5.6	0.3%	0.3%
France	63.4	64.9	65.7	65.9	66.1	66.3	66.4	66.5	0.2%	0.3%
Germany	80.8	82.1	83.6	83.6	83.7	84.1	84.5	84.6	0.0%	0.3%
Greece	11.1	10.8	10.7	10.7	10.6	10.4	10.2	10.0	-1.9%	-0.7%
Hungary	10.0	9.8	9.8	9.7	9.7	9.7	9.7	9.7	-0.1%	-0.2%
Iceland	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	1.5%	1.5%
Ireland	4.6	4.7	4.9	5.0	5.0	5.1	5.2	5.3	1.1%	1.0%
Italy	60.2	60.6	60.1	59.9	59.7	59.6	59.5	59.3	-0.3%	-0.1%
Kosovo	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.2%	0.2%
Latvia	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	-0.6%	-0.8%
Lithuania	3.1	3.0	2.8	2.8	2.8	2.8	2.7	2.7	-0.9%	-1.1%
Luxembourg	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	1.0%	1.9%
Malta	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3%	1.8%
Moldova	2.9	2.8	2.7	2.6	2.6	2.6	2.5	2.4	-2.8%	-1.2%
Montenegro	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0%	0.2%
Netherlands	16.8	17.1	17.5	17.6	17.7	17.9	18.1	18.2	0.8%	0.6%
North Macedonia	2.1	2.0	1.9	1.9	1.9	1.8	1.8	1.8	-0.5%	-0.8%
Norway	4.9	5.2	5.3	5.4	5.4	5.5	5.5	5.6	1.0%	0.9%
Poland	38.1	38.3	38.2	38.2	38.0	38.4	38.8	38.5	-0.6%	0.1%
Portugal	10.6	10.4	10.3	10.4	10.4	10.4	10.4	10.4	-0.1%	-0.1%
Romania	20.4	19.9	19.5	19.4	19.2	19.2	19.1	19.0	-0.5%	-0.5%
Serbia	7.3	7.1	6.9	6.9	6.8	6.7	6.6	6.6	-0.6%	-0.7%
Slovakia	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	-0.1%	0.1%
Slovenia	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0%	0.2%
Spain	46.8	46.7	47.4	47.7	47.7	47.8	47.9	47.9	0.0%	0.2%
Sweden	9.4	9.8	10.3	10.4	10.4	10.5	10.6	10.6	0.5%	0.9%
Switzerland	7.8	8.3	8.6	8.6	8.7	8.8	8.9	8.9	0.6%	0.9%
Türkiye	73.3	80.0	85.4	86.1	86.7	87.1	87.3	87.5	0.2%	1.3%
Ukraine	46.5	45.8	45.0	44.7	44.3	41.0	37.7	37.9	0.3%	-1.5%
United Kingdom	63.0	65.4	67.1	67.4	67.7	68.2	68.7	69.1	0.7%	0.7%

^(*)Data source: S&P Global data.

Population

Countries^(*)

(millions of persons)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	223.8	231.5	238.3	239.7	240.6	241.9	243.3	244.2	0.3%	0.6%
Russia	143.9	145.3	146.5	146.4	145.8	145.6	145.4	144.8	-0.4%	0.0%
Armenia	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	1.0%	0.1%
Azerbaijan	9.1	9.8	10.1	10.2	10.2	10.3	10.3	10.3	0.2%	0.9%
Georgia	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0%	-0.2%
Kazakhstan	16.8	18.1	19.2	19.5	19.7	20.0	20.3	20.6	1.3%	1.4%
Kyrgyzstan	5.5	6.0	6.5	6.7	6.8	7.0	7.1	7.2	1.6%	1.9%
Tajikistan	7.7	8.6	9.5	9.7	10.0	10.2	10.4	10.6	1.9%	2.3%
Turkmenistan	5.6	6.2	6.8	6.9	7.1	7.2	7.4	7.5	1.8%	2.1%
Uzbekistan	28.4	30.7	33.0	33.6	34.2	34.9	35.7	36.4	2.0%	1.8%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	222.1	249.8	267.0	271.1	275.5	281.9	288.9	295.0	2.1%	2.0%
Bahrain	1.2	1.4	1.5	1.5	1.5	1.5	1.6	1.6	2.4%	2.0%
Iran	77.4	82.6	87.1	87.7	88.5	89.5	90.6	91.6	1.1%	1.2%
Iraq	31.0	37.6	41.2	42.1	43.1	44.1	45.1	46.0	2.1%	2.9%
Israel	7.3	8.1	8.7	8.8	8.9	9.1	9.3	9.4	1.4%	1.8%
Jordan	7.3	9.5	10.7	10.9	11.1	11.3	11.4	11.6	1.0%	3.3%
Kuwait	2.9	3.8	4.4	4.4	4.4	4.6	4.8	4.9	2.0%	3.8%
Lebanon	5.0	6.5	5.8	5.7	5.7	5.7	5.8	5.8	0.6%	1.0%
Oman	2.8	4.2	4.6	4.5	4.5	4.7	5.0	5.3	4.6%	4.8%
Qatar	1.7	2.4	2.8	2.8	2.8	2.9	3.0	3.0	2.3%	4.2%
Saudi Arabia	25.2	30.0	30.5	31.0	31.3	32.2	33.3	34.0	2.1%	2.2%
Syria	22.5	19.4	20.4	21.0	21.6	22.5	23.6	24.7	4.6%	0.7%
United Arab Emirates	6.9	8.7	9.4	9.4	9.8	10.2	10.6	11.0	3.6%	3.4%
Yemen	26.8	31.2	35.1	36.1	37.1	38.2	39.4	40.6	3.0%	3.0%
Other Middle East	4.0	4.5	5.0	5.1	5.2	5.3	5.4	5.5	1.6%	2.3%

^(*)Data source: S&P Global data.

Population

Countries^(*)

(millions of persons)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	1,058.2	1,204.9	1,331.9	1,364.4	1,397.0	1,429.8	1,463.7	1,498.3	2.4%	2.5%
Algeria	36.2	40.0	43.3	44.0	44.8	45.5	46.2	46.8	1.4%	1.9%
Angola	23.3	28.2	32.4	33.5	34.5	35.6	36.7	37.9	3.1%	3.5%
Benin	9.8	11.4	12.7	13.1	13.4	13.8	14.1	14.5	2.5%	2.8%
Cameroon	19.7	22.8	25.5	26.2	26.9	27.6	28.4	29.1	2.6%	2.8%
Chad	12.3	14.6	16.7	17.2	17.8	18.5	19.3	20.3	5.1%	3.6%
Congo	4.5	5.1	5.6	5.8	5.9	6.0	6.2	6.3	2.4%	2.5%
Côte d'Ivoire	22.5	25.2	28.2	28.9	29.6	30.4	31.2	31.9	2.5%	2.5%
Dem. Rep. Congo	68.6	81.0	92.9	96.0	99.1	102.4	105.8	109.3	3.3%	3.4%
Egypt	89.2	99.6	107.6	109.3	111.0	112.6	114.5	116.5	1.7%	1.9%
Equatorial Guinea	1.2	1.5	1.7	1.7	1.8	1.8	1.8	1.9	2.4%	3.4%
Ethiopia	90.5	103.9	115.7	118.9	122.1	125.4	128.7	132.1	2.6%	2.7%
Gabon	1.7	2.0	2.3	2.3	2.4	2.4	2.5	2.5	2.2%	2.8%
Ghana	25.5	28.7	31.3	31.9	32.5	33.1	33.8	34.4	1.9%	2.2%
Kenya	41.6	47.1	51.2	52.2	53.2	54.3	55.3	56.4	2.0%	2.2%
Libya	6.5	6.5	7.0	7.0	7.1	7.2	7.3	7.4	1.0%	0.9%
Madagascar	22.2	25.4	28.2	29.0	29.7	30.4	31.2	32.0	2.5%	2.6%
Mauritania	3.4	4.0	4.5	4.6	4.7	4.9	5.0	5.2	2.9%	3.1%
Morocco	32.5	34.6	36.2	36.6	37.0	37.3	37.7	38.1	1.0%	1.1%
Mozambique	23.0	26.5	29.9	30.8	31.7	32.7	33.6	34.6	3.0%	3.0%
Namibia	2.1	2.4	2.7	2.7	2.8	2.9	3.0	3.0	2.3%	2.6%
Niger	16.5	19.9	22.9	23.7	24.5	25.3	26.2	27.0	3.3%	3.6%
Nigeria	166.6	190.7	209.5	214.0	218.5	223.2	227.9	232.7	2.1%	2.4%
Rwanda	10.3	11.6	12.8	13.1	13.4	13.7	14.0	14.3	2.2%	2.3%
Senegal	12.6	14.6	16.4	16.8	17.2	17.7	18.1	18.5	2.3%	2.8%
Sierra Leone	6.2	7.0	7.7	7.9	8.1	8.3	8.5	8.6	2.1%	2.4%
Somalia	12.3	13.8	16.0	16.7	17.3	17.8	18.4	19.0	3.5%	3.2%
South Africa	52.3	56.7	59.6	60.6	61.5	62.4	63.2	64.0	1.3%	1.4%
South Sudan	9.7	11.1	10.4	10.7	10.9	11.0	11.5	11.9	4.0%	1.5%
Sudan	35.4	40.0	45.5	46.8	48.1	49.4	50.4	51.4	2.0%	2.7%
Tanzania	44.8	52.0	59.2	61.0	62.8	64.7	66.6	68.6	2.9%	3.1%
Tunisia	10.8	11.4	11.9	12.0	12.0	12.1	12.2	12.3	0.6%	0.9%
Uganda	32.4	37.5	43.0	44.5	45.9	47.3	48.7	50.0	2.8%	3.2%
Zambia	14.0	16.4	18.5	19.1	19.6	20.2	20.7	21.3	2.9%	3.1%
Zimbabwe	13.4	14.4	15.3	15.5	15.8	16.1	16.3	16.6	1.8%	1.6%
Other Africa	84.7	97.1	107.7	110.5	113.3	116.0	118.8	121.8	2.5%	2.6%

^(*)Data source: S&P Global data.

Population

Countries^(*)

(millions of persons)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	3,899.88	4,105.98	4,249.76	4,279.67	4,303.89	4,325.44	4,347.47	4,369.13	0.5%	0.8%
Afghanistan	28.3	33.8	37.9	39.1	40.0	40.6	41.5	42.6	2.9%	3.0%
Australia	22.1	23.9	25.5	25.7	26.0	26.2	26.5	26.7	1.0%	1.3%
Bangladesh	152.2	159.4	164.9	166.3	167.7	169.4	171.5	173.6	1.2%	0.9%
Bhutan	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.7%	0.9%
Brunei	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.8%	1.2%
China	1,351.6	1,396.1	1,423.5	1,426.1	1,426.4	1,425.2	1,422.6	1,419.3	-0.2%	0.4%
East Timor	1.1	1.2	1.3	1.3	1.4	1.4	1.4	1.4	1.2%	1.8%
Hong Kong	7.1	7.4	7.5	7.5	7.5	7.5	7.4	7.4	-0.4%	0.3%
India	1,243.5	1,328.0	1,389.0	1,402.6	1,414.2	1,425.4	1,438.1	1,450.9	0.9%	1.1%
Indonesia	246.3	261.8	272.5	274.8	276.8	278.8	281.2	283.5	0.8%	1.0%
Japan	128.2	127.3	126.7	126.3	125.7	125.0	124.4	123.8	-0.5%	-0.3%
Malaysia	28.7	31.2	33.4	33.9	34.3	34.7	35.1	35.6	1.2%	1.6%
Mongolia	2.7	3.0	3.2	3.3	3.3	3.4	3.4	3.5	1.3%	1.8%
Myanmar	49.0	51.1	52.6	53.0	53.4	53.8	54.1	54.5	0.7%	0.8%
Nepal	27.3	27.8	28.4	29.0	29.5	29.7	29.7	29.7	-0.1%	0.6%
New Zealand	4.3	4.6	5.0	5.1	5.1	5.1	5.2	5.2	0.8%	1.3%
North Korea	25.0	25.6	26.0	26.1	26.2	26.3	26.4	26.5	0.3%	0.4%
Pakistan	199.2	217.3	230.8	235.0	239.5	243.7	247.5	251.3	1.5%	1.7%
Papua New Guinea	7.6	8.7	9.6	9.8	10.0	10.2	10.4	10.6	1.8%	2.4%
Philippines	96.3	105.3	110.8	112.1	113.1	114.0	114.9	115.8	0.8%	1.3%
Singapore	5.1	5.5	5.7	5.6	5.5	5.6	5.8	5.8	0.7%	1.0%
South Korea	48.8	51.0	51.8	51.9	51.8	51.8	51.7	51.7	-0.1%	0.4%
Sri Lanka	20.9	21.7	22.4	22.6	22.7	22.8	23.0	23.1	0.6%	0.7%
Taiwan	23.2	23.5	23.7	23.7	23.6	23.4	23.3	23.2	-0.4%	0.0%
Thailand	68.6	70.5	71.5	71.6	71.7	71.7	71.7	71.7	0.0%	0.3%
Vietnam	87.5	92.8	97.2	98.1	98.9	99.7	100.4	101.0	0.6%	1.0%
Other Asia - Pacific	24.19	26.06	27.58	27.99	28.41	28.79	29.16	29.53	1.2%	1.4%

^(*)Data source: S&P Global data.

Population

Countries^(*)

(millions of persons)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	932.84	977.55	1,010.02	1,016.15	1,020.96	1,027.56	1,036.09	1,044.58	0.8%	0.8%
Argentina	41.3	43.5	45.0	45.2	45.3	45.4	45.5	45.7	0.3%	0.7%
Barbados	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0%	0.2%
Belize	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.5%	1.9%
Bolivia	10.2	11.0	11.7	11.8	11.9	12.1	12.2	12.4	1.4%	1.4%
Brazil	193.7	201.7	207.5	208.7	209.6	210.3	211.1	212.0	0.4%	0.6%
Canada	34.2	36.0	37.8	38.2	38.5	38.8	39.3	39.7	1.1%	1.1%
Chile	17.2	18.0	19.2	19.4	19.5	19.6	19.7	19.8	0.5%	1.0%
Colombia	44.8	47.0	49.9	50.6	51.2	51.7	52.3	52.9	1.1%	1.2%
Costa Rica	4.6	4.8	5.0	5.0	5.1	5.1	5.1	5.1	0.5%	0.9%
Cuba	11.3	11.3	11.2	11.2	11.1	11.1	11.0	11.0	-0.4%	-0.2%
Curaçao	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0%	1.2%
Dominican Republic	9.8	10.4	10.9	11.0	11.1	11.2	11.3	11.4	0.8%	1.1%
Ecuador	15.1	16.3	17.3	17.5	17.7	17.8	18.0	18.1	0.9%	1.3%
El Salvador	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	0.5%	0.3%
Guatemala	14.5	16.0	17.1	17.4	17.6	17.8	18.1	18.4	1.6%	1.7%
Guyana	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6%	0.7%
Haiti	9.8	10.5	11.1	11.2	11.4	11.5	11.6	11.8	1.2%	1.3%
Honduras	8.4	9.2	9.9	10.1	10.3	10.5	10.6	10.8	1.7%	1.9%
Jamaica	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0%	0.2%
Mexico	113.6	121.1	125.8	126.8	127.6	128.6	129.7	130.9	0.9%	1.0%
Nicaragua	5.7	6.1	6.5	6.6	6.6	6.7	6.8	6.9	1.4%	1.3%
Panama	3.6	4.0	4.2	4.3	4.3	4.4	4.5	4.5	1.3%	1.6%
Paraguay	5.7	6.2	6.5	6.6	6.7	6.8	6.8	6.9	1.2%	1.4%
Peru	29.1	30.5	32.4	32.8	33.2	33.5	33.8	34.2	1.1%	1.2%
Suriname	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9%	1.0%
Trinidad and Tobago	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	0.3%	0.6%
United States	310.2	322.0	330.6	331.8	332.5	334.9	338.4	341.8	1.0%	0.7%
Uruguay	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0%	0.1%
Venezuela	28.8	30.6	28.9	28.4	28.2	28.2	28.3	28.4	0.4%	-0.1%
Other Americas	5.70	5.54	5.31	5.30	5.28	5.28	5.28	5.29	0.1%	-0.5%

^(*)Data source: S&P Global data.

Real GDP levels

Areas and Aggregates^(*)

(billions of 2019 U.S. dollars)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	17,942.4	19,204.1	20,945.8	19,729.6	21,052.3	21,804.2	21,971.6	22,228.8	1.2%	1.5%
Russia and Central Asia	1,754.3	1,924.9	2,084.8	2,030.7	2,149.1	2,144.8	2,238.0	2,341.1	4.6%	2.1%
Middle East	2,123.2	2,573.2	2,807.5	2,661.3	2,797.2	3,017.9	3,069.3	3,111.4	1.4%	2.8%
Africa	1,980.4	2,352.1	2,633.0	2,550.6	2,673.1	2,774.1	2,875.3	2,968.6	3.2%	2.9%
Asia - Pacific	20,105.7	25,794.7	31,031.0	30,785.6	32,862.4	33,981.1	35,504.5	36,911.6	4.0%	4.4%
Americas	23,596.0	26,405.1	28,724.7	27,803.4	29,541.1	30,396.6	31,218.3	32,029.0	2.6%	2.2%
- North America	18,896.5	21,147.4	23,283.7	22,729.9	24,104.5	24,739.5	25,429.0	26,117.0	2.7%	2.3%
- Central South America	4,699.5	5,257.7	5,441.0	5,073.5	5,436.6	5,657.1	5,789.2	5,911.9	2.1%	1.7%
World	67,501.9	78,254.0	88,226.8	85,561.1	91,075.2	94,118.6	96,876.9	99,590.6	2.8%	2.8%
European Union 27	13,763.8	14,504.1	15,821.5	14,922.4	15,860.3	16,436.1	16,519.1	16,678.9	1.0%	1.4%
MENA	2,734.5	3,223.0	3,558.3	3,368.6	3,543.2	3,791.9	3,874.9	3,942.6	1.7%	2.6%
OECD	45,379.1	49,843.8	54,282.3	52,121.3	55,252.8	56,932.8	57,953.7	58,968.4	1.8%	1.9%
NON OECD	22,122.8	28,410.2	33,944.6	33,439.8	35,822.4	37,185.8	38,923.2	40,622.2	4.4%	4.4%
OPEC	2,230.4	2,688.3	2,856.0	2,682.3	2,807.0	3,007.0	3,082.7	3,157.9	2.4%	2.5%
NON OPEC	65,271.6	75,565.7	85,370.8	82,878.9	88,268.2	91,111.6	93,794.1	96,432.8	2.8%	2.8%

^(*)Data source: S&P Global data.

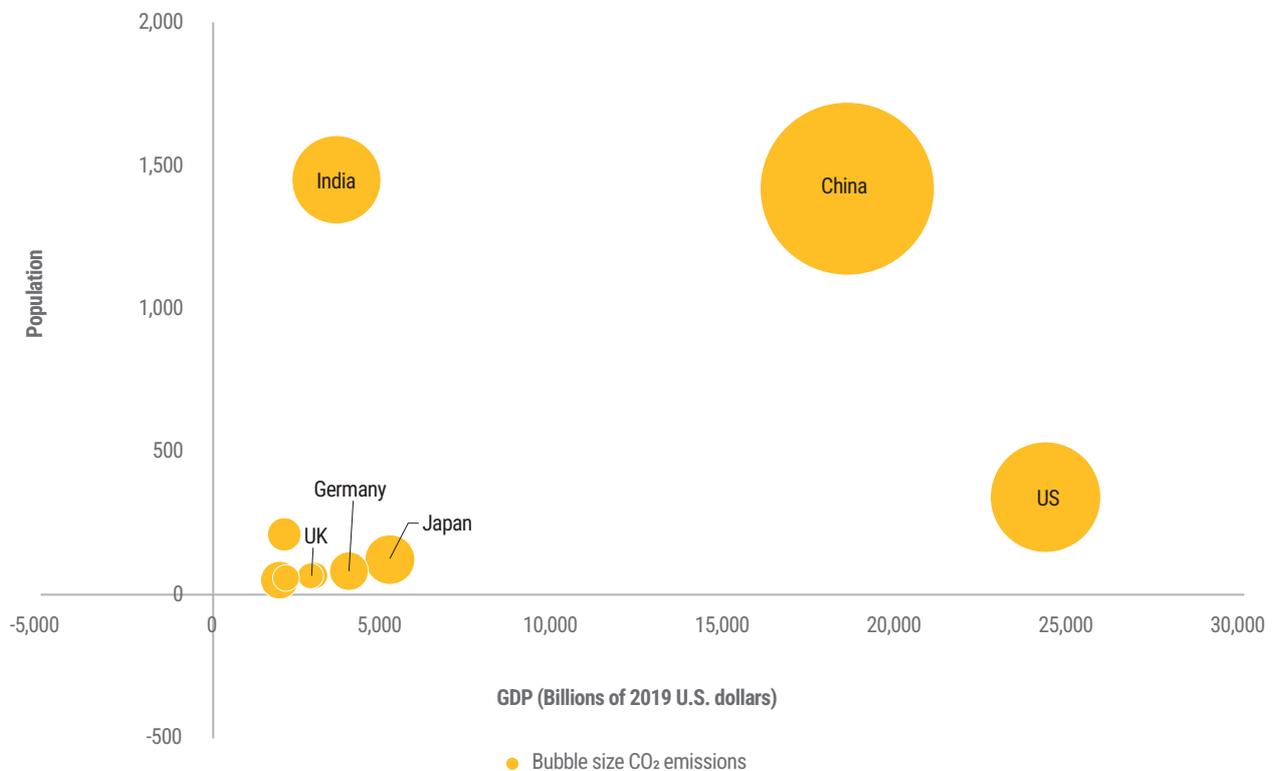
Real GDP levels

The World's Top 10^(*)

(billions of 2019 U.S. dollars)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
United States	17,457.8	19,547.7	21,540.0	21,074.1	22,350.1	22,911.6	23,573.2	24,232.4	2.8%	2.4%
China	7,697.4	11,264.7	14,558.5	14,894.4	16,173.2	16,680.1	17,583.5	18,458.5	5.0%	6.4%
Japan	4,730.5	4,983.8	5,117.1	4,902.1	5,038.1	5,085.0	5,148.4	5,154.0	0.1%	0.6%
Germany	3,387.4	3,686.9	3,966.7	3,788.8	3,935.2	4,009.4	3,982.4	3,963.6	-0.5%	1.1%
India	1,579.1	2,162.4	2,805.2	2,638.7	2,887.0	3,088.2	3,360.7	3,586.7	6.7%	6.0%
United Kingdom	2,398.3	2,644.1	2,850.9	2,557.3	2,776.7	2,911.0	2,922.6	2,954.8	1.1%	1.5%
France	2,412.6	2,551.4	2,726.1	2,518.8	2,690.0	2,765.3	2,810.1	2,841.1	1.1%	1.2%
Italy	2,005.6	1,938.6	2,020.0	1,839.2	2,001.2	2,100.8	2,117.9	2,128.9	0.5%	0.4%
Brazil	1,753.1	1,855.7	1,873.1	1,806.2	1,898.4	1,957.7	2,021.1	2,080.8	3.0%	1.2%
South Korea	1,332.0	1,554.1	1,750.7	1,738.5	1,818.6	1,868.2	1,897.8	1,934.9	2.0%	2.7%
The World's Top 10	44,753.9	52,189.4	59,208.4	57,758.1	61,568.5	63,377.4	65,417.6	67,335.6	2.9%	3.0%
Rest of the World	22,748.0	26,064.6	29,018.4	27,803.0	29,506.6	30,741.2	31,459.3	32,255.0	2.5%	2.5%
World	67,501.9	78,254.0	88,226.8	85,561.1	91,075.2	94,118.6	96,876.9	99,590.6	2.8%	2.8%

The World's Top 10^(**) (2024)



(*) Data source: S&P Global data.

(**) Population and GDP data source: S&P Global data; CO₂ emissions data source: IEA (2025) *Greenhouse Gas Emissions from Energy*.

Real GDP levels

Countries^(*)

(billions of 2019 U.S. dollars)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	17,942.4	19,204.1	20,945.8	19,729.6	21,052.3	21,804.2	21,971.6	22,228.8	1.2%	1.5%
Albania	12.6	13.8	15.6	15.1	16.4	17.2	17.9	18.6	4.0%	2.8%
Austria	384.6	406.3	443.0	414.1	434.8	458.2	454.3	449.0	-1.2%	1.1%
Belarus	56.7	61.6	64.4	64.0	65.5	62.5	64.9	69.0	6.4%	1.4%
Belgium	473.3	500.8	536.7	511.0	542.7	565.8	572.6	578.5	1.0%	1.4%
Bosnia Herzegovina	16.6	18.2	20.9	20.3	21.8	22.6	23.0	23.6	2.5%	2.5%
Bulgaria	57.0	60.9	68.6	66.5	71.4	74.4	75.8	77.8	2.7%	2.2%
Croatia	55.5	55.1	62.5	57.3	64.5	69.2	71.5	74.3	3.9%	2.1%
Cyprus	22.5	20.7	26.2	25.4	28.2	30.3	31.1	32.2	3.4%	2.6%
Czech Republic	206.1	223.6	256.9	243.2	252.9	260.1	260.5	263.4	1.1%	1.8%
Denmark	295.5	313.9	345.4	339.3	361.3	362.9	365.1	377.8	3.5%	1.8%
Estonia	22.9	27.3	31.8	31.0	33.2	33.2	32.2	32.1	-0.3%	2.5%
Finland	246.1	245.7	267.0	260.4	267.3	269.3	266.8	268.0	0.4%	0.6%
France	2,412.6	2,551.4	2,726.1	2,518.8	2,690.0	2,765.3	2,810.1	2,841.1	1.1%	1.2%
Germany	3,387.4	3,686.9	3,966.7	3,788.8	3,935.2	4,009.4	3,982.4	3,963.6	-0.5%	1.1%
Greece	240.9	195.6	206.6	188.0	203.7	215.6	220.6	225.6	2.3%	-0.5%
Hungary	125.3	139.1	164.9	157.5	168.8	176.1	174.9	175.8	0.5%	2.4%
Iceland	18.7	21.1	25.0	23.3	24.5	26.7	28.0	27.8	-0.7%	2.9%
Ireland	229.7	324.3	407.3	438.8	508.1	545.8	531.7	545.2	2.5%	6.4%
Italy	2,005.6	1,938.6	2,020.0	1,839.2	2,001.2	2,100.8	2,117.9	2,128.9	0.5%	0.4%
Kosovo	5.4	6.6	7.9	7.5	8.3	8.6	9.0	9.4	4.4%	4.0%
Latvia	24.9	29.7	33.1	32.0	34.2	35.0	35.8	35.7	-0.4%	2.6%
Lithuania	37.9	46.7	55.1	55.2	58.7	60.1	60.4	62.0	2.6%	3.6%
Luxembourg	56.4	62.6	69.6	69.3	74.1	73.3	72.8	73.5	1.0%	1.9%
Malta	9.4	12.5	16.3	15.8	17.9	18.7	19.9	21.1	5.9%	5.9%
Moldova	8.4	10.0	11.7	10.8	12.3	11.7	11.8	11.8	0.0%	2.5%
Montenegro	4.3	4.7	5.5	4.7	5.3	5.6	6.0	6.2	3.2%	2.6%
Netherlands	806.7	843.6	928.8	893.3	948.7	996.3	990.5	1001.2	1.1%	1.6%
North Macedonia	10.1	11.3	12.6	12.0	12.6	12.8	13.0	13.3	2.8%	2.0%
Norway	354.5	386.6	409.9	402.4	418.6	432.2	433.0	442.1	2.1%	1.6%
Poland	428.2	499.7	601.9	589.8	630.1	664.9	666.2	685.7	2.9%	3.4%
Portugal	225.4	215.4	240.1	220.4	232.7	248.9	255.4	260.3	1.9%	1.0%
Romania	178.8	205.1	251.7	242.4	255.9	266.0	272.4	274.6	0.8%	3.1%
Serbia	46.8	46.6	53.9	53.4	57.6	59.1	61.4	63.8	3.9%	2.2%
Slovakia	83.7	94.8	105.8	103.1	109.0	109.5	111.8	114.1	2.1%	2.2%
Slovenia	45.1	46.0	54.1	51.7	55.9	57.6	59.0	59.9	1.5%	2.0%
Spain	1,263.1	1,269.4	1,403.5	1,249.9	1,333.5	1,415.9	1,453.7	1,499.5	3.2%	1.2%
Sweden	439.2	488.4	531.5	520.3	546.3	553.5	553.6	558.1	0.8%	1.7%
Switzerland	613.8	669.8	721.8	705.3	744.6	767.8	773.5	784.0	1.4%	1.8%
Türkiye	469.4	659.2	760.6	773.8	865.1	911.0	963.0	996.5	3.5%	5.5%
Ukraine	154.3	137.5	153.9	148.2	153.3	109.2	115.2	118.6	2.9%	-1.9%
United Kingdom	2,398.3	2,644.1	2,850.9	2,557.3	2,776.7	2,911.0	2,922.6	2,954.8	1.1%	1.5%
Other Europe	8.8	8.9	9.6	9.2	9.5	9.9	10.2	10.4	2.3%	1.2%

^(*)Data source: S&P Global data.

Real GDP levels

Countries^(*)

(billions of 2019 U.S. dollars)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	1,754.3	1,924.9	2,084.8	2,030.7	2,149.1	2,144.8	2,238.0	2,341.1	4.6%	2.1%
Russia	1,480.9	1,579.8	1,693.5	1,648.5	1,745.2	1,720.2	1,790.4	1,868.2	4.3%	1.7%
Armenia	9.1	11.2	13.7	12.7	13.5	15.2	16.5	17.4	5.9%	4.8%
Azerbaijan	43.2	47.7	48.2	46.2	48.7	51.0	51.7	53.8	4.1%	1.6%
Georgia	11.2	14.5	17.6	16.5	18.3	20.3	21.8	23.9	9.4%	5.6%
Kazakhstan	126.1	158.7	181.6	177.1	184.7	190.6	200.4	210.0	4.8%	3.7%
Kyrgyzstan	6.2	7.9	9.4	8.7	9.2	10.0	10.9	11.9	9.0%	4.7%
Tajikistan	4.5	6.3	8.3	8.7	9.5	10.2	11.1	12.0	8.4%	7.3%
Turkmenistan	35.1	44.8	45.2	43.9	46.1	48.9	52.0	55.3	6.3%	3.3%
Uzbekistan	38.1	54.0	67.3	68.3	73.8	78.3	83.2	88.6	6.5%	6.2%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	2,123.2	2,573.2	2,807.5	2,661.3	2,797.2	3,017.9	3,069.3	3,111.4	1.4%	2.8%
Bahrain	29.9	35.6	40.4	38.1	39.7	42.2	43.8	44.9	2.6%	2.9%
Iran	255.6	237.5	259.1	254.7	262.2	270.7	284.4	293.9	3.4%	1.0%
Iraq	142.0	192.5	232.9	204.9	207.9	224.5	225.6	222.2	-1.5%	3.2%
Israel	284.3	340.2	399.2	391.0	429.1	456.0	465.1	466.3	0.3%	3.6%
Jordan	35.9	41.1	44.6	44.1	45.7	46.8	48.0	49.2	2.5%	2.3%
Kuwait	114.4	136.7	140.9	134.1	137.1	146.4	143.1	139.4	-2.6%	1.4%
Lebanon	47.4	52.4	49.1	37.0	37.8	38.1	37.9	35.0	-7.7%	-2.1%
Oman	66.6	83.5	88.1	85.1	87.3	94.3	95.6	97.1	1.6%	2.7%
Qatar	124.6	170.6	176.4	170.1	172.9	180.1	182.9	187.2	2.4%	2.9%
Saudi Arabia	621.4	823.2	888.9	855.1	910.8	1,020.1	1,025.7	1,046.1	2.0%	3.8%
Syria	58.2	27.9	26.7	26.5	27.0	27.2	27.6	26.2	-5.0%	-5.6%
United Arab Emirates	307.3	403.7	433.9	396.2	414.2	445.4	464.5	483.1	4.0%	3.3%
Yemen	23.6	13.2	10.4	9.5	9.3	9.3	9.1	8.9	-1.6%	-6.7%
Other Middle East	12.0	15.1	17.1	15.2	16.3	16.9	16.2	11.9	-26.6%	-0.1%

^(*)Data source: S&P Global data.

Real GDP levels

Countries^(*)

(billions of 2019 U.S. dollars)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	1,980.4	2,352.1	2,633.0	2,550.6	2,673.1	2,774.1	2,875.3	2,968.6	3.2%	2.9%
Algeria	154.2	179.2	193.5	183.7	190.7	197.7	205.7	213.1	3.6%	2.3%
Angola	80.8	99.9	96.9	93.0	94.9	99.1	100.5	105.0	4.5%	1.9%
Benin	9.2	11.6	14.4	14.9	16.0	17.0	18.1	19.5	7.5%	5.5%
Cameroon	26.9	34.1	39.7	39.8	41.1	42.6	44.0	45.6	3.6%	3.9%
Chad	11.5	14.2	15.0	14.9	14.9	15.5	16.2	16.4	1.5%	2.6%
Congo	13.7	16.4	14.0	13.1	13.2	13.4	13.7	14.0	2.6%	0.2%
Côte d'Ivoire	26.2	46.9	60.4	60.8	65.1	69.1	73.7	78.2	6.1%	8.1%
Dem. Rep. Congo	27.8	40.3	47.3	48.2	51.1	55.5	60.5	64.1	6.0%	6.2%
Egypt	242.2	276.4	334.3	346.4	357.9	381.6	395.6	404.8	2.3%	3.7%
Equatorial Guinea	14.8	14.9	11.4	10.8	10.9	11.3	10.7	10.8	1.6%	-2.2%
Ethiopia	41.1	67.9	92.7	98.3	103.8	109.4	116.6	126.0	8.1%	8.3%
Gabon	12.2	15.7	16.9	16.6	16.8	17.3	17.7	18.2	2.8%	2.9%
Ghana	38.2	54.1	68.3	68.7	72.2	74.9	77.1	81.5	5.7%	5.6%
Kenya	63.8	83.5	100.4	100.1	107.7	112.9	119.4	125.0	4.7%	4.9%
Libya	95.3	55.4	69.3	34.5	44.3	39.0	42.9	41.7	-2.8%	-5.7%
Madagascar	10.6	12.1	14.1	13.1	13.7	14.3	14.9	15.5	4.0%	2.7%
Mauritania	5.5	6.8	7.9	7.9	7.9	8.5	9.0	9.5	5.2%	4.0%
Morocco	95.8	115.1	128.9	119.7	129.4	131.8	136.6	141.8	3.8%	2.8%
Mozambique	9.6	13.6	15.5	15.3	15.7	16.4	17.3	17.5	1.6%	4.4%
Namibia	9.7	12.6	12.5	11.5	11.9	12.6	13.1	13.6	3.7%	2.4%
Niger	7.4	10.2	12.9	13.4	13.6	15.2	15.6	17.2	10.3%	6.1%
Nigeria	365.7	460.0	475.3	466.8	483.8	499.5	525.1	546.5	4.1%	2.9%
Rwanda	5.6	7.9	10.3	10.0	11.1	12.0	13.0	14.1	8.9%	6.9%
Senegal	15.1	18.4	23.4	23.7	25.3	26.2	27.4	29.3	6.9%	4.8%
Sierra Leone	2.8	3.9	6.5	6.4	6.8	7.2	7.6	7.9	3.6%	7.6%
Somalia	4.0	6.4	8.6	8.4	8.7	8.9	9.3	9.6	3.7%	6.4%
South Africa	337.4	375.4	389.2	365.2	382.9	390.8	394.0	396.1	0.5%	1.2%
Sudan	48.6	43.7	43.9	42.3	42.5	41.5	32.9	25.2	-23.4%	-4.6%
Tanzania	32.4	45.1	58.8	61.5	64.4	67.4	70.9	74.8	5.6%	6.2%
Tunisia	35.7	38.9	41.9	38.1	39.9	41.0	41.0	41.6	1.4%	1.1%
Uganda	24.7	30.8	37.8	37.2	39.4	41.7	43.8	46.5	6.3%	4.6%
Zambia	16.0	20.5	23.3	22.6	24.0	25.3	26.7	27.7	4.0%	4.0%
Zimbabwe	15.4	21.8	22.6	20.8	22.6	24.0	25.3	25.8	2.0%	3.8%
Other Africa	80.4	98.5	125.1	122.9	128.6	133.5	139.8	144.5	3.4%	4.3%

^(*)Data source: S&P Global data.

Real GDP levels

Countries^(*)

(billions of 2019 U.S. dollars)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	20,105.7	25,794.7	31,031.0	30,785.6	32,862.4	33,981.1	35,504.5	36,911.6	4.0%	4.4%
Afghanistan	13.2	17.6	19.4	18.9	15.0	14.1	13.7	14.0	2.5%	0.4%
Australia	1,098.8	1,257.8	1,385.7	1,358.6	1,432.2	1,491.5	1,522.1	1,537.7	1.0%	2.4%
Bangladesh	204.5	278.9	360.5	380.8	408.2	434.6	455.0	466.8	2.6%	6.1%
Bhutan	1.7	2.3	2.7	2.5	2.6	2.7	2.8	3.0	6.1%	4.1%
Brunei	13.2	13.1	13.5	13.6	13.4	13.2	13.3	13.9	4.2%	0.4%
China	7,697.4	11,264.7	14,558.5	14,894.4	16,173.2	16,680.1	17,583.5	18,458.5	5.0%	6.4%
East Timor	1.3	1.7	2.0	2.7	2.8	2.2	1.8	1.8	-2.2%	2.1%
Hong Kong	292.8	338.6	363.1	339.3	361.2	347.9	359.2	368.1	2.5%	1.6%
India	1,579.1	2,162.4	2,805.2	2,638.7	2,887.0	3,088.2	3,360.7	3,586.7	6.7%	6.0%
Indonesia	701.4	917.9	1,118.9	1,095.8	1,136.4	1,196.7	1,257.1	1,320.3	5.0%	4.6%
Japan	4,730.5	4,983.8	5,117.1	4,902.1	5,038.1	5,085.0	5,148.4	5,154.0	0.1%	0.6%
Malaysia	232.7	301.8	365.2	345.2	356.7	388.9	402.6	423.3	5.1%	4.4%
Mongolia	7.2	11.6	14.2	13.6	13.8	14.5	15.5	16.3	4.9%	6.0%
Myanmar	40.9	58.1	74.0	67.3	59.2	61.6	62.2	61.6	-1.0%	3.0%
Nepal	22.1	27.3	34.2	33.4	35.1	37.0	37.8	39.1	3.7%	4.2%
New Zealand	158.2	181.2	210.7	208.6	220.8	227.9	232.4	231.2	-0.5%	2.7%
North Korea	16.5	16.9	16.3	15.6	15.6	15.6	16.0	16.4	2.6%	0.0%
Pakistan	213.5	261.6	300.8	311.9	331.5	336.1	340.3	348.5	2.4%	3.6%
Papua New Guinea	16.4	21.8	24.8	24.0	23.8	25.2	26.2	27.1	3.7%	3.7%
Philippines	217.4	291.4	376.8	341.9	360.4	387.9	409.6	432.7	5.7%	5.0%
Singapore	266.1	331.0	376.2	361.8	397.0	413.4	420.8	439.3	4.4%	3.6%
South Korea	1,332.0	1,554.1	1,750.7	1,738.5	1,818.6	1,868.2	1,897.8	1,934.9	2.0%	2.7%
Sri Lanka	58.8	78.0	89.0	84.9	88.5	82.0	80.1	84.1	5.0%	2.6%
Taiwan	473.4	546.3	613.6	634.6	677.2	695.4	703.2	737.2	4.8%	3.2%
Thailand	410.0	474.2	543.9	511.0	518.9	532.3	543.0	556.8	2.5%	2.2%
Vietnam	188.3	254.0	334.4	344.0	352.7	382.9	402.2	430.8	7.1%	6.1%
Other Asia - Pacific	118.2	146.7	159.7	102.1	122.5	156.1	197.1	207.2	5.1%	4.1%

^(*)Data source: S&P Global data.

Real GDP levels

Countries^(*)

(billions of 2019 U.S. dollars)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	23,596.0	26,405.1	28,724.7	27,803.4	29,541.1	30,396.6	31,218.3	32,029.0	2.6%	2.2%
Argentina	432.1	465.0	446.8	402.5	444.6	471.3	462.6	456.4	-1.3%	0.4%
Barbados	6.5	6.1	6.1	5.3	5.3	6.2	6.3	6.5	2.5%	0.1%
Belize	2.0	2.3	2.4	2.1	2.4	2.7	2.7	2.9	8.1%	2.7%
Bolivia	27.1	35.3	40.9	37.3	39.6	41.0	42.3	42.6	0.7%	3.3%
Brazil	1,753.1	1,855.7	1,873.1	1,806.2	1,898.4	1,957.7	2,021.1	2,080.8	3.0%	1.2%
Canada	1,438.7	1,599.7	1,743.7	1,655.8	1,754.4	1,827.9	1,855.8	1,884.7	1.6%	1.9%
Chile	212.7	257.6	278.2	260.4	290.5	296.8	298.7	306.0	2.4%	2.6%
Colombia	234.7	295.0	323.1	299.9	332.2	356.6	359.1	364.9	1.6%	3.2%
Costa Rica	47.1	56.8	64.8	62.0	66.9	70.0	73.6	76.7	4.3%	3.5%
Cuba	86.2	99.0	103.4	92.2	93.4	95.0	93.2	92.2	-1.1%	0.5%
Curaçao	3.3	3.3	3.0	2.5	2.6	2.7	2.9	3.0	5.0%	-0.7%
Dominican Republic	55.9	71.1	89.1	82.1	93.6	98.5	100.6	105.6	5.0%	4.7%
Ecuador	78.7	101.0	107.6	97.6	106.8	113.1	115.4	113.1	-2.0%	2.6%
El Salvador	21.5	24.4	26.9	24.8	27.7	28.5	29.5	30.3	2.6%	2.5%
Guatemala	56.0	67.8	77.2	75.8	81.8	85.2	88.2	91.4	3.7%	3.6%
Guyana	3.7	4.6	5.4	7.7	9.3	15.0	20.3	29.1	43.6%	15.8%
Haiti	11.6	13.4	14.0	13.6	13.3	13.1	12.9	12.3	-4.2%	0.4%
Honduras	18.0	21.4	24.9	22.7	25.5	26.6	27.5	28.5	3.6%	3.3%
Jamaica	15.7	16.2	17.0	15.3	16.0	16.9	17.3	17.2	-0.7%	0.7%
Mexico	1,089.0	1,239.2	1,304.7	1,193.2	1,267.9	1,314.9	1,359.1	1,375.5	1.2%	1.7%
Nicaragua	9.5	12.4	12.7	12.4	13.7	14.2	14.8	15.4	3.6%	3.5%
Panama	40.6	58.9	69.8	57.3	66.8	74.0	79.5	81.7	2.9%	5.1%
Paraguay	27.8	33.8	37.9	37.6	39.1	39.2	41.2	42.9	4.2%	3.2%
Peru	165.3	208.7	236.4	210.6	238.7	245.4	244.4	252.5	3.3%	3.1%
Suriname	3.8	4.1	4.3	3.6	3.5	3.6	3.7	3.8	2.5%	-0.1%
Trinidad and Tobago	24.9	25.7	23.5	21.4	21.3	21.4	21.8	22.1	1.7%	-0.8%
United States	17,457.8	19,547.7	21,540.0	21,074.1	22,350.1	22,911.6	23,573.2	24,232.4	2.8%	2.4%
Uruguay	50.4	59.5	62.2	57.7	61.0	63.8	64.2	66.2	3.1%	2.0%
Venezuela	53.0	53.3	23.2	18.9	20.0	22.7	23.1	23.8	3.1%	-5.6%
Other Americas	169.3	166.1	162.2	151.0	154.7	161.0	163.4	168.6	3.2%	0.0%

^(*)Data source: S&P Global data.



Oil

The year 2024 was marked by continued uncertainty and volatility, largely due to the ongoing Russia-Ukraine war and the conflict between Israel and Hamas, both of which significantly impacted global energy markets.

The average **Brent price** for the year was \$80.8 per barrel, reflecting a slight decrease of around 2% compared to 2023. Prices trended downward throughout the year, mainly influenced by market expectations of increased supply, driven both by the rebound in OPEC+ production and by concerns over a potential global economic slowdown. These factors contributed to a more cautious market sentiment, which outweighed persistent geopolitical tensions and led to a gradual decline in prices.

On the **demand** side, global oil consumption grew by 0.8 Mb/d, reaching a total of 102.8 Mb/d. This growth was primarily fueled by a strong rebound in jet kerosene consumption – thanks to the continued recovery of the aviation sector – and robust demand for petrochemical feedstocks such as naphtha, LPG, and ethane, particularly in China. Unlike 2023, when China alone accounted for 65% of total demand growth, the 2024 increase was more geographically diversified across non-OECD Countries. Together, China, India, Latin America, and the Middle East represented over 60% of the total growth.

Global oil **production** rose by 0.5 Mb/d in 2024, reaching 97.3 Mb/d (excluding biofuels and processing gains). This increase was mainly driven by non-OPEC Countries (+0.6 Mb/d), with the United States leading the growth with an additional 0.7 Mb/d. OPEC production slightly declined by 0.1 Mb/d, as Saudi Arabia reduced its output by approximately 0.5 Mb/d, partially offset by a 0.4 Mb/d increase from Iran. In terms of crude quality, the production mix (Light, Medium and Heavy) remained largely stable, with a slight decline in the share of Medium & Sour due to the implementation of OPEC+ cuts, particularly in Middle Eastern Countries and Russia. Light & Sweet crudes remained broadly stable as increased U.S. tight oil production was offset by declines in the same category across Africa, Asia Pacific and Europe.

Additionally, **primary refining capacity** expanded in 2024, reaching 104.6 Mb/d - an increase of 1.1 Mb/d compared to 2023. Africa and the Middle East contributed 52% and 29% of this growth, respectively. Notable projects included the start-up of the Dangote refinery in Nigeria (650 kb/d) and the Duqm refinery in Oman (230 kb/d). In contrast, Europe experienced a reduction of 0.1 Mb/d in refining capacity.

Oil Supply and Demand

RESERVES

Areas and Aggregates
The World's Top 10 Reserves Holders
Countries

PRODUCTION

Areas and Aggregates
The World's Top 10 Producers
Countries
The World's Top 10 Natural Gas Liquids Producers

RESERVES/PRODUCTION RATIO

Areas and Aggregates
The World's Top 10 Producers Ranked by Reserves/Production Ratio
Countries

CONSUMPTION

Areas and Aggregates
The World's Top 10 Consumers
Countries

PER CAPITA CONSUMPTION

Areas and Aggregates
The World's Top 10 Consumers Ranked by Per Capita Consumption Ratio
Countries

PRODUCTION/CONSUMPTION RATIO

Areas and Aggregates
The World's Top 10 Producers Ranked by Production/Consumption Ratio
Countries

Reserves

Areas and Aggregates^(*)

(million barrels as at 31st December)

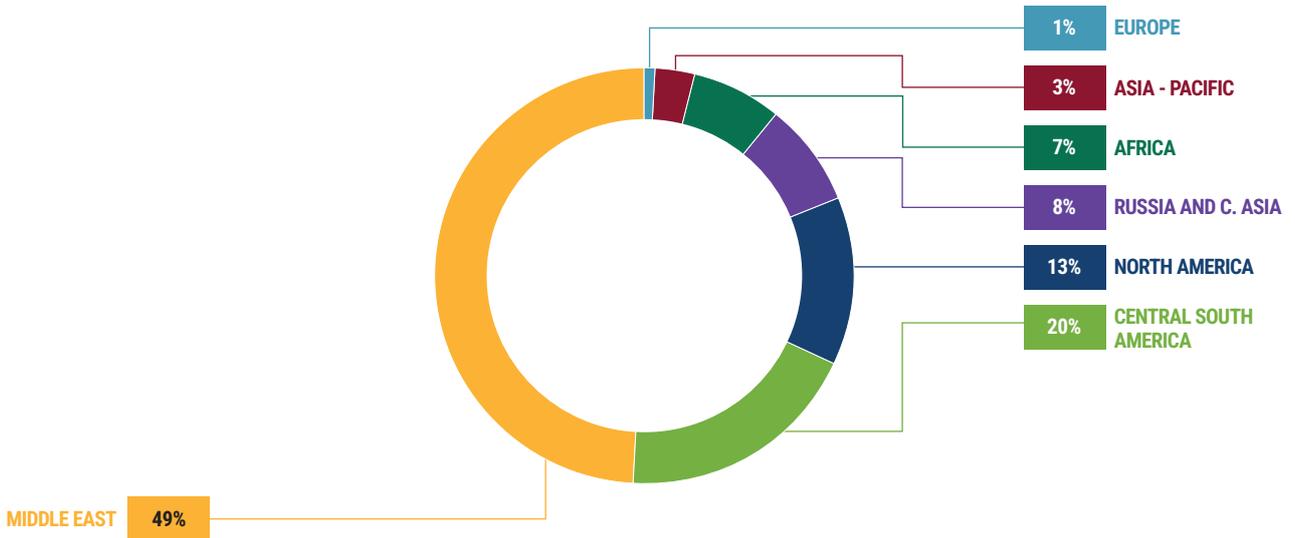
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	13,949	13,591	14,522	13,733	12,977	11,942	11,911	11,253	-5.5%	-1.5%
Russia and Central Asia	125,086	135,729	144,504	145,825	145,818	145,818	145,818	145,818	0.0%	1.1%
Middle East	793,605	802,663	863,343	865,330	869,535	871,535	871,573	871,615	0.0%	0.7%
Africa	131,566	127,277	124,687	123,916	119,144	119,504	120,037	119,817	-0.2%	-0.7%
Asia - Pacific	50,607	48,055	46,846	45,534	45,718	44,910	46,319	46,927	1.3%	-0.5%
Americas	564,218	547,079	578,764	568,955	576,729	589,132	588,207	591,103	0.5%	0.3%
- North America	225,201	204,678	241,192	232,056	238,364	237,814	235,915	237,540	0.7%	0.4%
- Central South America	339,017	342,402	337,572	336,899	338,364	351,318	352,292	353,563	0.4%	0.3%
World	1,679,031	1,674,394	1,772,665	1,763,294	1,769,920	1,782,841	1,783,865	1,786,533	0.1%	0.4%
European Union 27	3,165	2,595	2,357	2,335	2,326	2,160	2,129	2,122	-0.3%	-2.8%
MENA	857,794	868,001	927,579	929,420	933,537	935,800	935,838	935,880	0.0%	0.6%
OECD	257,935	236,001	265,878	255,387	260,843	259,296	257,501	258,509	0.4%	0.0%
NON OECD	1,421,096	1,438,393	1,506,787	1,507,907	1,509,077	1,523,545	1,526,364	1,528,024	0.1%	0.5%
OPEC	1,165,844	1,180,767	1,241,281	1,242,377	1,241,819	1,243,523	1,243,881	1,243,844	0.0%	0.5%
NON OPEC	513,186	493,627	531,384	520,917	528,101	539,318	539,984	542,689	0.5%	0.4%

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

Reserves

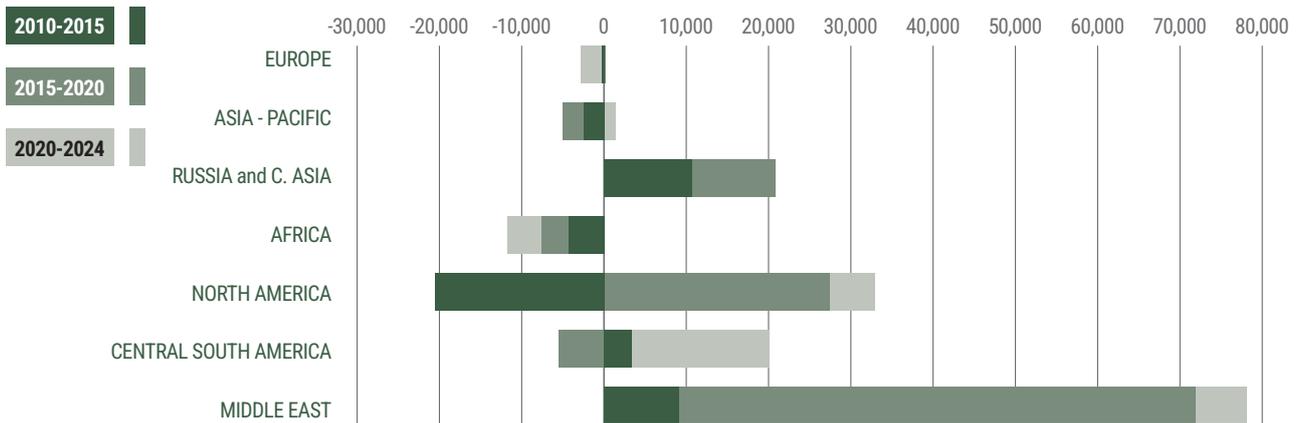
World Oil Reserves (2024)

1,786,533 million barrels



World Oil Reserves Growth (2010-2024)

107,503 million barrels



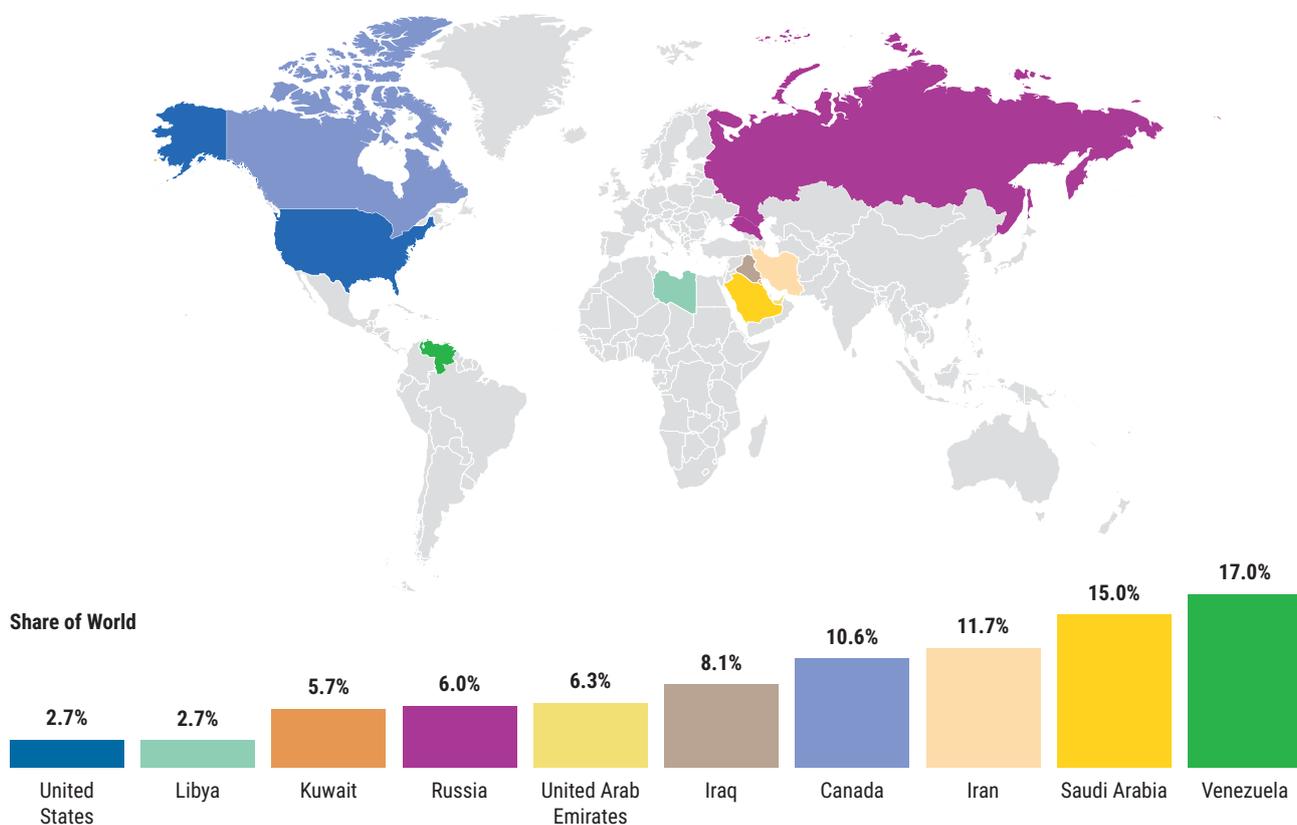
Reserves

The World's Top 10 Reserves Holders^(*)

(million barrels as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Venezuela	296,501	300,878	303,806	303,561	303,468	303,221	303,008	303,221	0.1%	0.2%
Saudi Arabia	264,516	266,455	267,073	267,082	267,192	267,192	267,230	267,200	0.0%	0.1%
Iran	151,170	158,400	208,600	208,600	208,600	208,600	208,600	208,600	0.0%	2.3%
Canada	200,020	169,448	194,085	193,844	193,946	189,493	189,493	189,493	0.0%	-0.4%
Iraq	143,100	142,503	145,019	145,019	145,019	145,019	145,019	145,019	0.0%	0.1%
United Arab Emirates	97,800	97,800	105,000	107,000	111,000	113,000	113,000	113,000	0.0%	1.0%
Russia	76,876	97,703	106,471	107,799	107,799	107,799	107,799	107,799	0.0%	2.4%
Kuwait	101,500	101,500	101,500	101,500	101,500	101,500	101,500	101,500	0.0%	0.0%
Libya	47,097	48,363	48,363	48,363	48,363	48,363	48,363	48,363	0.0%	0.2%
United States	25,181	35,230	47,107	38,212	44,418	48,321	46,422	48,047	3.5%	4.7%
The World's Top 10	1,403,761	1,418,280	1,527,024	1,520,980	1,531,306	1,532,509	1,530,435	1,532,242	0.1%	0.6%
Rest of the World	275,269	256,114	245,641	242,313	238,615	250,332	253,430	254,291	0.3%	-0.6%
World	1,679,031	1,674,394	1,772,665	1,763,294	1,769,920	1,782,841	1,783,865	1,786,533	0.1%	0.4%

The World's Top 10 (2024)



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

Reserves

Countries^(*)

(million barrels as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	13,949	13,591	14,522	13,733	12,977	11,942	11,911	11,253	-5.5%	-1.5%
Albania	219	183	146	146	146	197	197	197	0.0%	-0.7%
Austria	44	51	37	37	37	37	37	34	-7.7%	-1.9%
Belarus	183	197	197	197	197	197	197	197	0.0%	0.6%
Bulgaria	15	15	15	15	15	15	15	15	0.0%	0.0%
Croatia	73	66	73	73	73	73	73	73	0.0%	0.0%
Czech Republic	7	15	15	7	7	7	7	7	0.0%	0.0%
Denmark	927	540	423	416	423	336	336	354	5.5%	-6.6%
France	88	80	58	58	131	80	80	69	-14.0%	-1.7%
Germany	299	248	204	131	117	110	110	104	-5.2%	-7.3%
Greece	7	7	7	7	7	7	7	7	0.0%	0.0%
Hungary	29	22	15	15	15	15	15	15	0.0%	-4.8%
Italy ^(**)	559	595	532	583	582	576	545	585	7.3%	0.3%
Lithuania	15	15	15	15	15	15	15	15	0.0%	0.0%
Netherlands	307	110	117	139	73	66	66	21	-68.5%	-17.5%
Norway	6,818	7,242	8,483	7,716	7,483	6,818	6,818	6,167	-9.5%	-0.7%
Poland	80	102	95	88	80	73	73	73	0.0%	-0.7%
Romania	562	584	599	599	599	599	599	599	0.0%	0.5%
Serbia	80	80	80	80	80	80	80	80	0.0%	0.0%
Slovakia	7	7	7	7	7	7	7	7	0.0%	0.0%
Spain	146	139	146	146	146	146	146	146	0.0%	0.0%
Türkiye	314	358	365	365	365	365	365	365	0.0%	1.1%
Ukraine	365	394	394	394	394	394	394	394	0.0%	0.6%
United Kingdom	2,805	2,542	2,500	2,500	1,986	1,730	1,730	1,730	0.0%	-3.4%

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

^(**) The original data are from Italian Ministry of Enterprises and Made in Italy. They have been converted by Eni considering 1 ton of oil equal to 7.3 barrels.

Reserves

Countries^(*)

(million barrels as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	125,086	135,729	144,504	145,825	145,818	145,818	145,818	145,818	0.0%	1.1%
Russia	76,876	97,703	106,471	107,799	107,799	107,799	107,799	107,799	0.0%	2.4%
Azerbaijan	6,950	6,950	6,950	6,950	6,950	6,950	6,950	6,950	0.0%	0.0%
Georgia	37	37	37	37	37	37	37	37	0.0%	0.0%
Kazakhstan	38,960	29,799	29,799	29,799	29,791	29,791	29,791	29,791	0.0%	-1.9%
Kyrgyzstan	37	37	37	37	37	37	37	37	0.0%	0.0%
Tajikistan	15	15	15	15	15	15	15	15	0.0%	0.0%
Turkmenistan	1,643	599	599	599	599	599	599	599	0.0%	-7.0%
Uzbekistan	569	591	599	591	591	591	591	591	0.0%	0.3%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	793,605	802,663	863,343	865,330	869,535	871,535	871,573	871,615	0.0%	0.7%
Bahrain	124	124	95	183	168	168	168	168	0.0%	2.2%
Iran	151,170	158,400	208,600	208,600	208,600	208,600	208,600	208,600	0.0%	2.3%
Iraq	143,100	142,503	145,019	145,019	145,019	145,019	145,019	145,019	0.0%	0.1%
Israel	4	15	15	15	15	15	15	15	0.0%	10.4%
Jordan	1	1	1	1	1	1	1	1	0.0%	0.0%
Kuwait	101,500	101,500	101,500	101,500	101,500	101,500	101,500	101,500	0.0%	0.0%
Oman	5,110	5,271	5,336	5,336	5,336	5,336	5,336	5,408	1.3%	0.4%
Qatar	25,382	25,244	25,244	25,244	25,244	25,244	25,244	25,244	0.0%	0.0%
Saudi Arabia	264,516	266,455	267,073	267,082	267,192	267,192	267,230	267,200	0.0%	0.1%
Syria	2,343	2,482	2,482	2,482	2,482	2,482	2,482	2,482	0.0%	0.4%
United Arab Emirates	97,800	97,800	105,000	107,000	111,000	113,000	113,000	113,000	0.0%	1.0%
Yemen	2,555	2,869	2,978	2,869	2,978	2,978	2,978	2,978	0.0%	1.1%

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

Reserves

Countries^(*)

(million barrels as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	131,566	127,277	124,687	123,916	119,144	119,504	120,037	119,817	-0,2%	-0,7%
Algeria	12,200	12,200	12,200	12,200	12,200	12,200	12,200	12,200	0.0%	0.0%
Angola	9,055	9,524	7,783	7,231	2,516	2,550	2,550	2,550	0.0%	-8.7%
Benin	7	7	7	7	7	7	7	7	0.0%	0.0%
Cameroon	175	197	197	197	197	197	197	197	0.0%	0.8%
Chad	1,489	1,577	1,489	1,577	1,489	1,489	1,489	1,489	0.0%	0.0%
Congo	2,000	2,982	1,947	1,811	1,811	1,811	1,811	1,811	0.0%	-0.7%
Côte d'Ivoire	102	102	102	102	102	102	102	102	0.0%	0.0%
Dem. Rep. Congo	175	175	197	197	175	175	175	175	0.0%	0.0%
Egypt	4,468	4,373	3,278	3,124	3,015	3,278	3,278	3,278	0.0%	-2.2%
Equatorial Guinea	1,705	1,100	1,100	1,100	1,100	1,100	1,100	1,100	0.0%	-3.1%
Gabon	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0.0%	0.0%
Ghana	657	657	657	657	657	657	657	657	0.0%	0.0%
Libya	47,097	48,363	48,363	48,363	48,363	48,363	48,363	48,363	0.0%	0.2%
Mauritania	102	22	22	22	22	22	22	22	0.0%	-10.4%
Morocco	1	1	1	1	1	1	1	1	0.0%	-0.7%
Mozambique	15	15	15	15	15	15	15	15	0.0%	0.0%
Niger	146	146	146	146	146	146	146	146	0.0%	0.0%
Nigeria	37,200	37,062	36,890	36,910	37,050	36,967	37,500	37,280	-0.6%	0.0%
Sierra Leone	438	438	438	438	438	438	438	438	0.0%	0.0%
South Africa	15	15	15	15	15	15	15	15	0.0%	0.0%
South Sudan	4,621	3,446	3,475	3,446	3,446	3,774	3,774	3,774	0.0%	-1.4%
Sudan	6,482	1,475	1,489	1,475	1,475	1,292	1,292	1,292	0.0%	-10.9%
Tunisia	423	402	394	402	423	423	423	423	0.0%	0.0%
Uganda	993	1,000	2,482	2,482	2,482	2,482	2,482	2,482	0.0%	6.8%

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

Reserves

Countries^(*)

(million barrels as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	50,607	48,055	46,846	45,534	45,718	44,910	46,319	46,927	1.3%	-0.5%
Afghanistan	88	88	88	88	88	88	88	88	0.0%	0.0%
Australia	4,052	3,957	2,453	1,789	1,621	1,475	1,475	1,475	0.0%	-7.0%
Bangladesh	29	29	29	29	29	29	29	29	0.0%	0.0%
Brunei	1,095	1,095	1,095	1,095	1,095	1,095	1,095	1,095	0.0%	0.0%
China	23,268	25,132	26,154	26,023	26,491	27,003	27,889	28,182	1.1%	1.4%
India	8,767	4,790	4,420	4,610	4,490	4,370	4,887	4,901	0.3%	-4.1%
Indonesia	3,990	3,230	3,150	2,480	2,440	2,250	2,270	2,410	6.2%	-3.5%
Japan	44	44	44	44	44	44	44	44	0.0%	0.0%
Malaysia	3,739	3,600	3,600	3,600	3,600	2,700	2,700	2,700	0.0%	-2.3%
Mongolia	15	256	314	314	314	314	314	314	0.0%	24.5%
Myanmar	51	51	139	139	139	139	139	139	0.0%	7.4%
New Zealand	153	88	51	44	51	58	44	44	0.0%	-8.6%
Pakistan	285	350	336	533	533	533	533	671	25.9%	6.3%
Papua New Guinea	88	175	161	161	146	146	146	146	0.0%	3.7%
Philippines	139	139	139	139	139	139	139	139	0.0%	0.0%
Taiwan	2	2	2	2	2	2	2	2	0.0%	0.0%
Thailand	431	686	299	102	153	153	153	177	15.3%	-6.2%
Vietnam	4,373	4,344	4,373	4,344	4,344	4,373	4,373	4,373	0.0%	0.0%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	564,218	547,079	578,764	568,955	576,729	589,132	588,207	591,103	0.5%	0.3%
Argentina	2,497	2,394	2,000	2,497	2,467	2,818	2,818	2,890	2.6%	1.1%
Barbados	2	3	2	2	2	2	2	2	-8.1%	0.1%
Belize	7	7	7	7	7	7	7	7	0.0%	0.0%
Bolivia	445	212	241	241	241	241	241	241	0.0%	-4.3%
Brazil	13,987	13,034	12,713	11,925	13,243	14,858	15,896	16,843	6.0%	1.3%
Canada	200,020	169,448	194,085	193,844	193,946	189,493	189,493	189,493	0.0%	-0.4%
Chile	146	146	146	146	146	146	146	146	0.0%	0.0%
Colombia	1,891	1,986	1,949	2,022	1,810	2,029	2,059	2,059	0.0%	0.6%
Cuba	124	124	124	124	124	124	124	124	0.0%	0.0%
Ecuador	7,206	8,273	8,273	8,273	8,273	8,273	8,273	8,273	0.0%	1.0%
Guatemala	80	95	124	88	95	80	80	75	-7.0%	-0.5%
Guyana	-	-	-	-	-	11,000	11,000	11,000	0.0%	
Mexico	13,992	13,017	7,010	7,042	7,319	7,328	7,448	7,489	0.6%	-4.4%
Peru	1,234	1,409	891	642	840	854	854	854	0.0%	-2.6%
Suriname	80	102	88	88	88	95	95	99	3.8%	1.5%
Trinidad and Tobago	825	723	197	241	241	241	241	241	0.0%	-8.4%
United States	25,181	35,230	47,107	38,212	44,418	48,321	46,422	48,047	3.5%	4.7%
Venezuela	296,501	300,878	303,806	303,561	303,468	303,221	303,008	303,221	0.1%	0.2%

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

Production

Areas and Aggregates^(*)

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

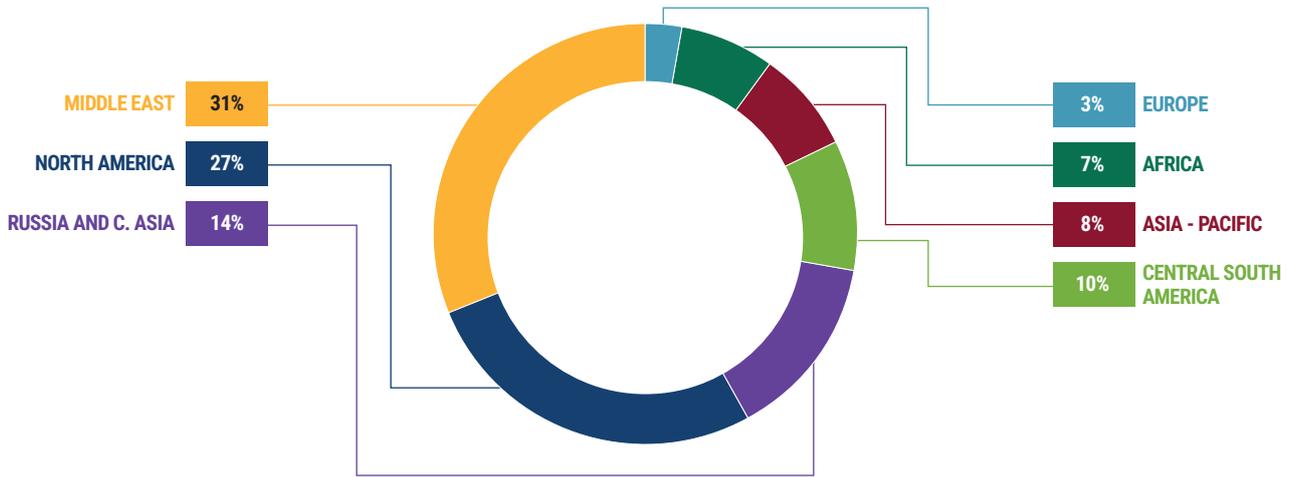
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	4,408	3,700	3,581	3,800	3,606	3,338	3,352	3,286	-2.0%	-2.1%
Russia and Central Asia	13,415	13,964	14,579	13,433	13,699	13,869	13,812	13,466	-2.5%	0.0%
Middle East	25,366	29,701	30,119	27,829	28,170	30,938	30,413	30,215	-0.7%	1.3%
Africa	10,240	8,337	8,439	7,025	7,387	7,117	7,318	7,225	-1.3%	-2.5%
Asia - Pacific	8,376	8,334	7,721	7,530	7,444	7,378	7,388	7,392	0.0%	-0.9%
Americas	21,407	27,817	31,200	29,912	30,392	32,169	34,514	35,693	3.4%	3.7%
- North America	11,073	17,375	22,830	21,923	22,406	23,765	25,344	26,315	3.8%	6.4%
- Central South America	10,333	10,442	8,369	7,989	7,986	8,404	9,169	9,378	2.3%	-0.7%
World	83,211	91,852	95,639	89,529	90,698	94,810	96,797	97,277	0.5%	1.1%
European Union 27	714	601	485	501	481	451	460	426	-7.5%	-3.6%
MENA	29,531	32,481	33,440	30,214	31,394	34,114	33,706	33,323	-1.1%	0.9%
OECD	19,586	24,863	29,492	28,700	28,959	30,136	31,842	32,584	2.3%	3.7%
NON OECD	63,625	66,990	66,147	60,828	61,739	64,673	64,955	64,692	-0.4%	0.1%
OPEC	31,509	34,264	33,725	29,826	30,692	33,100	32,941	32,802	-0.4%	0.3%
NON OPEC	51,702	57,589	61,914	59,702	60,006	61,710	63,855	64,475	1.0%	1.6%

^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services*. All rights reserved.

Production

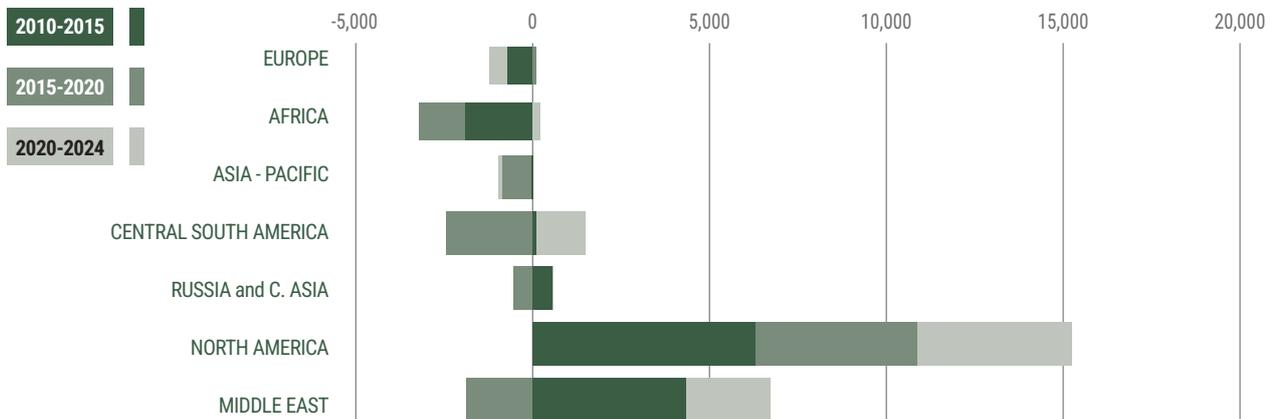
World Oil Production (2024)

97,277 thousand barrels/day



World Oil Production Growth (2010-2024)

14,066 thousand barrels/day



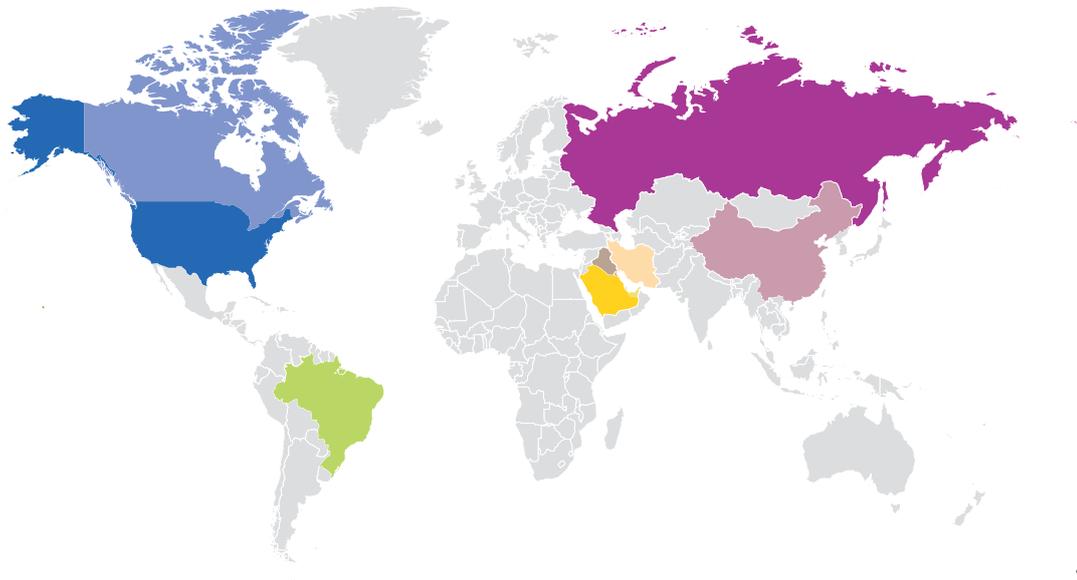
Production

The World's Top 10 Producers^(*)

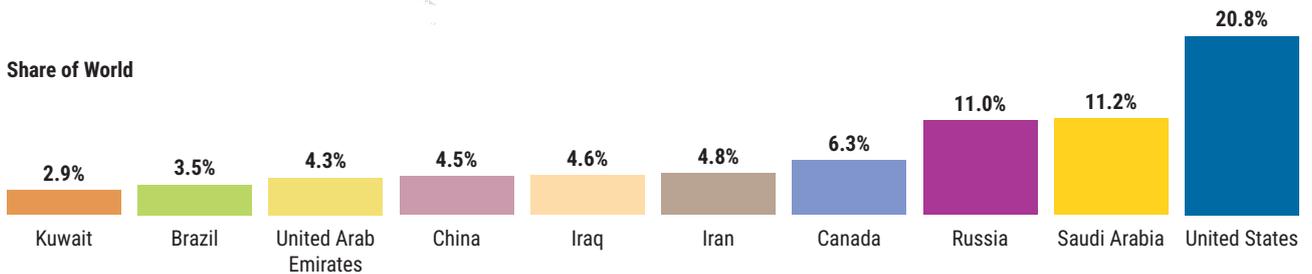
Crude and non conventional oil, natural gas liquids
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
United States	7,615	12,839	17,222	16,576	16,813	18,009	19,516	20,234	3.7%	7.2%
Saudi Arabia	9,971	12,045	11,903	11,105	11,030	12,209	11,418	10,922	-4.3%	0.7%
Russia	10,390	11,084	11,582	10,607	10,867	11,088	10,959	10,698	-2.4%	0.2%
Canada	3,458	4,536	5,609	5,347	5,593	5,756	5,828	6,081	4.3%	4.1%
Iran	4,215	3,573	3,347	3,038	3,504	3,681	4,234	4,655	9.9%	0.7%
Iraq	2,430	4,108	4,852	4,213	4,200	4,622	4,453	4,491	0.9%	4.5%
China	4,038	4,271	3,921	3,970	4,060	4,177	4,273	4,336	1.5%	0.5%
United Arab Emirates	2,831	3,762	4,049	3,759	3,660	4,249	4,207	4,186	-0.5%	2.8%
Brazil	2,152	2,547	2,897	3,044	3,002	3,119	3,488	3,438	-1.4%	3.4%
Kuwait	2,498	3,097	2,967	2,707	2,710	3,015	2,971	2,868	-3.5%	1.0%
The World's Top 10	49,598	61,862	68,349	64,365	65,439	69,927	71,347	71,908	0.8%	2.7%
Rest of the World	33,613	29,990	27,290	25,164	25,259	24,883	25,449	25,368	-0.3%	-2.0%
World	83,211	91,852	95,639	89,529	90,698	94,810	96,797	97,277	0.5%	1.1%

The World's Top 10 (2024)



Share of World



^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

Production

Countries^(*)

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

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	4,408	3,700	3,581	3,800	3,606	3,338	3,352	3,286	-2.0%	-2.1%
Albania	13	23	18	17	16	15	14	13	-6.8%	0.0%
Austria	21	17	13	11	11	10	9	9	-1.0%	-6.0%
Belarus	34	33	34	34	34	32	30	28	-6.8%	-1.5%
Bulgaria	1	1	1	1	1	1	1	1	0.0%	0.0%
Croatia	18	14	14	13	12	12	11	10	-7.1%	-3.7%
Czech Republic	5	7	5	6	6	4	4	4	-1.9%	-1.6%
Denmark	255	148	97	75	69	68	66	78	17.0%	-8.1%
Estonia	10	16	23	23	22	21	24	24	-0.8%	6.2%
France	41	25	34	34	51	58	50	40	-19.8%	-0.3%
Germany	72	66	58	73	58	53	57	47	-17.5%	-3.0%
Greece	2	1	3	2	2	1	1	1	0.0%	-3.0%
Hungary	25	18	23	20	22	22	23	26	11.5%	0.3%
Italy	97	131	89	120	111	96	111	88	-20.7%	-0.7%
Netherlands	39	36	18	19	19	12	9	8	-5.6%	-10.4%
Norway	2,138	1,948	1,761	2,037	2,048	1,907	2,021	2,002	-0.9%	-0.5%
Poland	24	28	30	29	26	22	23	27	17.6%	0.9%
Portugal	1	0	0	0	1	0	0	0		-100.0%
Romania	89	82	73	71	68	64	62	57	-6.6%	-3.1%
Serbia	17	20	17	16	15	14	13	12	-6.8%	-2.3%
Slovakia	3	4	3	3	4	4	7	5	-31.5%	3.1%
Spain	11	5	1	1	0	0	2	0	-99.2%	-38.5%
Türkiye	48	49	62	64	68	71	81	104	28.8%	5.6%
Ukraine	79	54	55	54	54	11	0	0		-100.0%
United Kingdom	1,365	972	1,150	1,076	890	837	734	702	-4.3%	-4.6%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	13,415	13,964	14,579	13,433	13,699	13,869	13,812	13,466	-2.5%	0.0%
Russia	10,390	11,084	11,582	10,607	10,867	11,088	10,959	10,698	-2.4%	0.2%
Azerbaijan	1,042	849	765	699	703	671	620	597	-3.7%	-3.9%
Georgia	1	1	0	0	0	0	0	0	-6.8%	-8.6%
Kazakhstan	1,694	1,694	1,943	1,838	1,846	1,817	1,931	1,876	-2.8%	0.7%
Kyrgyzstan	2	2	5	5	5	6	6	6	-4.1%	9.5%
Tajikistan	0	0	0	0	0	0	0	0	-6.8%	5.1%
Turkmenistan	211	268	223	226	221	215	210	205	-2.4%	-0.2%
Uzbekistan	75	66	60	58	56	70	85	83	-2.3%	0.7%

^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

Production

Countries^(*)

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

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	25,366	29,701	30,119	27,829	28,170	30,938	30,413	30,215	-0.7%	1.3%
Bahrain	192	213	208	182	185	203	196	186	-5.1%	-0.2%
Iran	4,215	3,573	3,347	3,038	3,504	3,681	4,234	4,655	9.9%	0.7%
Iraq	2,430	4,108	4,852	4,213	4,200	4,622	4,453	4,491	0.9%	4.5%
Israel	0	0	0	0	0	0	6	6	0.1%	
Kuwait	2,498	3,097	2,967	2,707	2,710	3,015	2,971	2,868	-3.5%	1.0%
Oman	871	988	979	957	979	1,072	1,057	1,002	-5.2%	1.0%
Qatar	1,668	1,856	1,714	1,765	1,804	1,798	1,809	1,845	2.0%	0.7%
Saudi Arabia	9,971	12,045	11,903	11,105	11,030	12,209	11,418	10,922	-4.3%	0.7%
Syria	385	27	34	43	43	43	40	35	-12.7%	-15.8%
United Arab Emirates	2,831	3,762	4,049	3,759	3,660	4,249	4,207	4,186	-0.5%	2.8%
Yemen	306	32	67	60	55	46	22	19	-13.0%	-18.0%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	10,240	8,337	8,439	7,025	7,387	7,117	7,318	7,225	-1.3%	-2.5%
Algeria	1,720	1,590	1,490	1,346	1,362	1,470	1,432	1,360	-5.0%	-1.7%
Angola	1,800	1,809	1,429	1,308	1,160	1,179	1,136	1,158	2.0%	-3.1%
Cameroon	64	93	71	73	70	68	65	59	-9.1%	-0.6%
Chad	120	139	132	131	119	124	130	127	-2.0%	0.4%
Congo	313	234	339	303	275	269	278	265	-4.7%	-1.2%
Côte d'Ivoire	39	26	36	28	28	27	29	46	59.8%	1.2%
Dem. Rep. Congo	22	21	23	22	21	20	19	18	-4.9%	-1.3%
Egypt	700	696	633	619	593	600	596	569	-4.6%	-1.5%
Equatorial Guinea	311	276	186	175	144	121	92	95	3.2%	-8.1%
Gabon	249	230	212	198	182	188	213	228	6.8%	-0.6%
Ghana	7	106	207	196	170	169	194	194	0.0%	27.0%
Libya	1,661	437	1,159	384	1,225	1,068	1,229	1,147	-6.6%	-2.6%
Mauritania	9	5	0	0	0	0	0	0		
Mozambique	0	0	0	0	0	1	5	7	42.6%	
Niger	0	15	15	14	12	11	10	42		
Nigeria	2,535	2,246	2,123	1,879	1,681	1,485	1,564	1,629	4.2%	-3.1%
Senegal	0	0	0	0	0	0	0	48		
South Africa	141	106	104	88	87	80	88	78	-10.9%	-4.1%
South Sudan	0	148	172	165	153	141	148	86	-41.4%	
Sudan	465	105	69	61	62	60	55	36	-34.3%	-16.7%
Tunisia	84	55	40	36	44	38	36	32	-11.3%	-6.6%

^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

Production

Countries^(*)

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

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	8,376	8,334	7,721	7,530	7,444	7,378	7,388	7,392	0.0%	-0.9%
Australia	549	371	458	455	444	413	382	369	-3.5%	-2.8%
Bangladesh	7	8	11	11	10	10	10	10	-3.0%	2.3%
Brunei	169	127	121	110	108	93	91	90	-0.8%	-4.4%
China	4,038	4,271	3,921	3,970	4,060	4,177	4,273	4,336	1.5%	0.5%
East Timor	88	45	23	14	12	10	5	2	-60.0%	-23.7%
India	880	889	824	769	746	720	704	700	-0.6%	-1.6%
Indonesia	991	817	772	734	683	632	628	601	-4.4%	-3.5%
Japan	18	12	11	10	10	9	8	8	-3.4%	-5.9%
Malaysia	717	701	670	604	566	563	556	536	-3.6%	-2.1%
Mongolia	6	24	18	18	17	16	15	14	-4.9%	6.5%
Myanmar	18	11	8	8	8	7	7	7	-3.0%	-6.6%
New Zealand	60	48	30	26	23	21	23	20	-13.1%	-7.6%
Pakistan	72	100	104	102	100	98	95	93	-2.4%	1.8%
Papua New Guinea	32	58	35	39	37	34	32	30	-6.6%	-0.5%
Philippines	20	15	11	11	10	10	10	10	-3.0%	-5.1%
South Korea	21	22	28	34	37	38	38	43	15.0%	5.3%
Thailand	382	452	443	411	380	339	327	338	3.4%	-0.9%
Vietnam	308	363	232	204	192	187	184	186	1.1%	-3.5%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	21,407	27,817	31,200	29,912	30,392	32,169	34,514	35,693	3.4%	3.7%
Argentina	734	650	647	609	643	712	765	831	8.6%	0.9%
Barbados	1	1	1	1	1	1	0	0	-4.9%	-5.4%
Bolivia	56	78	68	64	63	60	56	53	-5.1%	-0.4%
Brazil	2,152	2,547	2,897	3,044	3,002	3,119	3,488	3,438	-1.4%	3.4%
Canada	3,458	4,536	5,609	5,347	5,593	5,756	5,828	6,081	4.3%	4.1%
Chile	13	6	12	9	9	9	10	8	-21.9%	-3.5%
Colombia	788	1,014	893	788	744	761	791	788	-0.4%	0.0%
Cuba	55	53	42	40	38	36	34	32	-4.9%	-3.8%
Ecuador	470	548	536	484	478	486	480	480	0.0%	0.2%
Guatemala	11	10	9	8	8	7	6	6	-9.5%	-4.6%
Guyana	0	0	1	75	117	276	390	617	58.4%	
Mexico	2,959	2,597	1,928	1,932	1,954	2,006	2,103	1,971	-6.3%	-2.9%
Peru	156	150	140	125	120	118	114	118	3.6%	-2.0%
Suriname	15	16	16	16	15	14	13	13	-4.9%	-1.2%
Trinidad and Tobago	148	109	82	76	77	76	68	66	-1.9%	-5.6%
United States	7,615	12,839	17,222	16,576	16,813	18,009	19,516	20,234	3.7%	7.2%
Venezuela	2,775	2,665	1,098	719	719	723	851	956	12.4%	-7.3%

^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

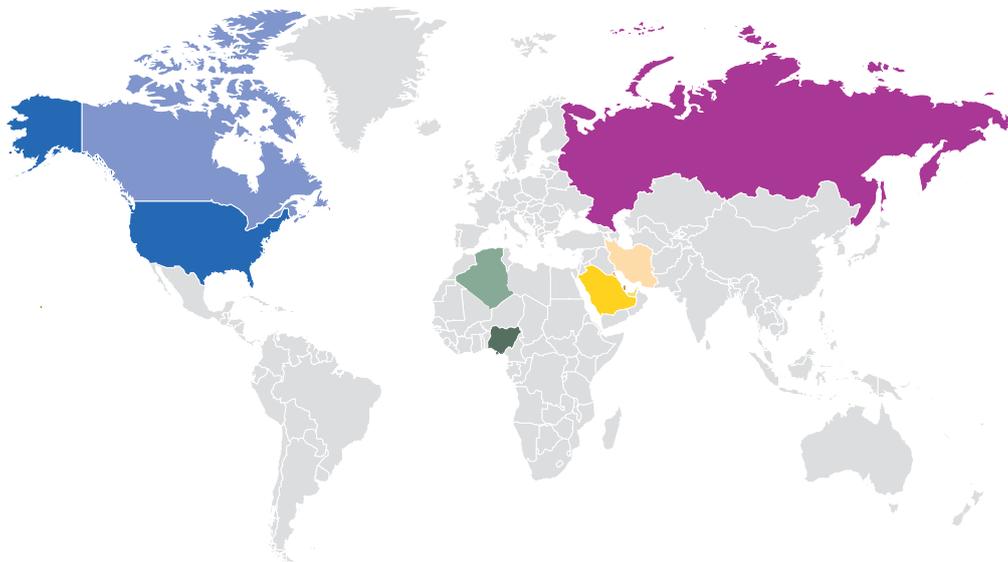
Production

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

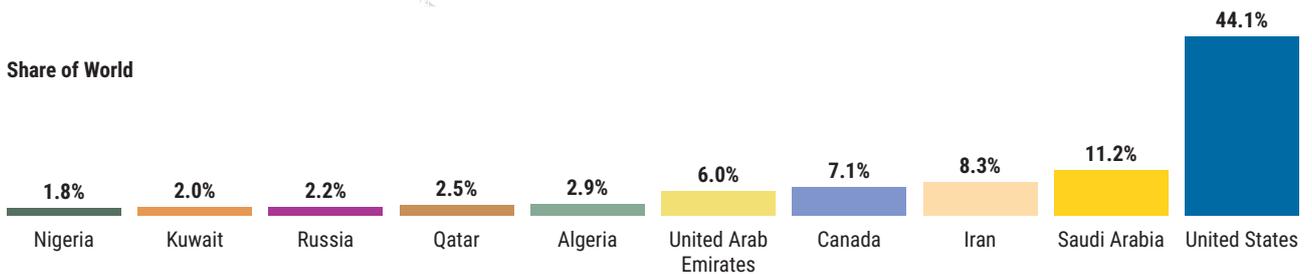
Crude and non conventional oil, natural gas liquids
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
United States	2,074	3,342	4,824	5,175	5,425	5,933	6,499	6,941	6.8%	9.0%
Saudi Arabia	1,710	1,805	1,880	1,793	1,725	1,795	1,765	1,759	-0.3%	0.2%
Iran	510	727	987	1,041	1,084	1,135	1,239	1,311	5.8%	7.0%
Canada	608	708	960	948	976	1,036	1,054	1,111	5.5%	4.4%
United Arab Emirates	520	816	832	854	901	950	953	951	-0.2%	4.4%
Algeria	515	481	466	448	451	459	460	452	-1.7%	-0.9%
Qatar	339	351	341	341	353	357	364	397	8.9%	1.1%
Russia	251	365	332	338	343	349	350	346	-1.2%	2.3%
Kuwait	200	310	285	284	283	308	311	315	1.2%	3.3%
Nigeria	464	459	377	369	355	324	312	280	-10.1%	-3.5%
The World's Top 10	7,190	9,363	11,284	11,590	11,896	12,645	13,307	13,864	4.2%	4.8%
Rest of the World	2,418	2,309	2,273	2,142	2,046	1,924	1,893	1,886	-0.4%	-1.8%
World	9,608	11,673	13,557	13,732	13,942	14,570	15,200	15,749	3.6%	3.6%

The World's Top 10 (2024)



Share of World



^(*) Data source: IEA (2025) Monthly Oil Data Services. All rights reserved.

Reserves/Production Ratio

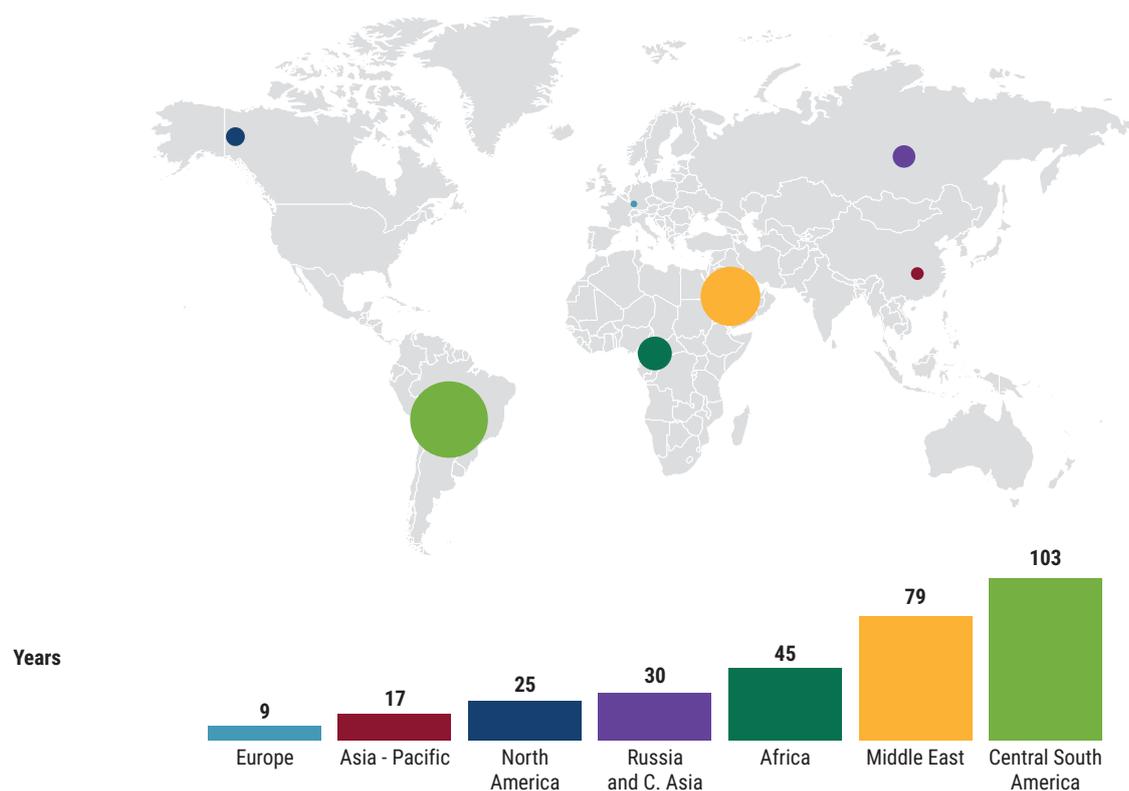
Areas and Aggregates^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	9	10	11	10	10	10	10	9
Russia and Central Asia	26	27	27	30	29	29	29	30
Middle East	86	74	79	85	85	77	79	79
Africa	35	42	40	48	44	46	45	45
Asia - Pacific	17	16	17	17	17	17	17	17
Americas	72	54	51	52	52	50	47	45
- North America	56	32	29	29	29	27	26	25
- Central South America	90	90	111	116	116	115	105	103
World	55	50	51	54	53	52	50	50
European Union 27	12	12	13	13	13	13	13	14
MENA	80	73	76	84	81	75	76	77
OECD	36	26	25	24	25	24	22	22
NON OECD	61	59	62	68	67	65	64	65
OPEC	101	94	101	114	111	103	103	104
NON OPEC	27	23	24	24	24	24	23	23

Reserves/Production Ratio (2024)

World: 50 years



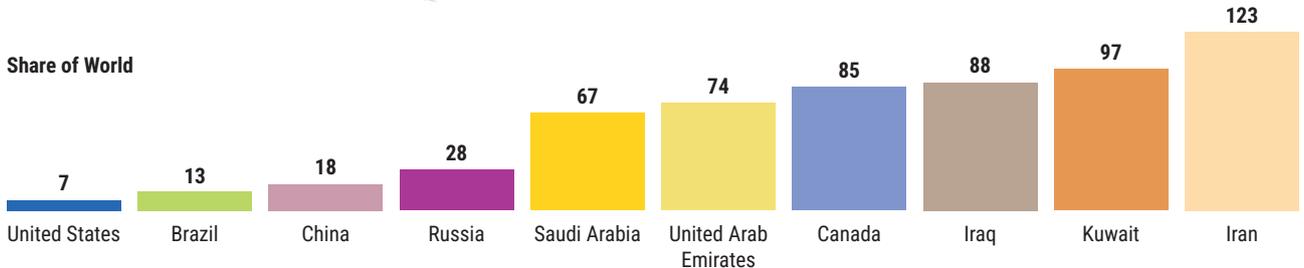
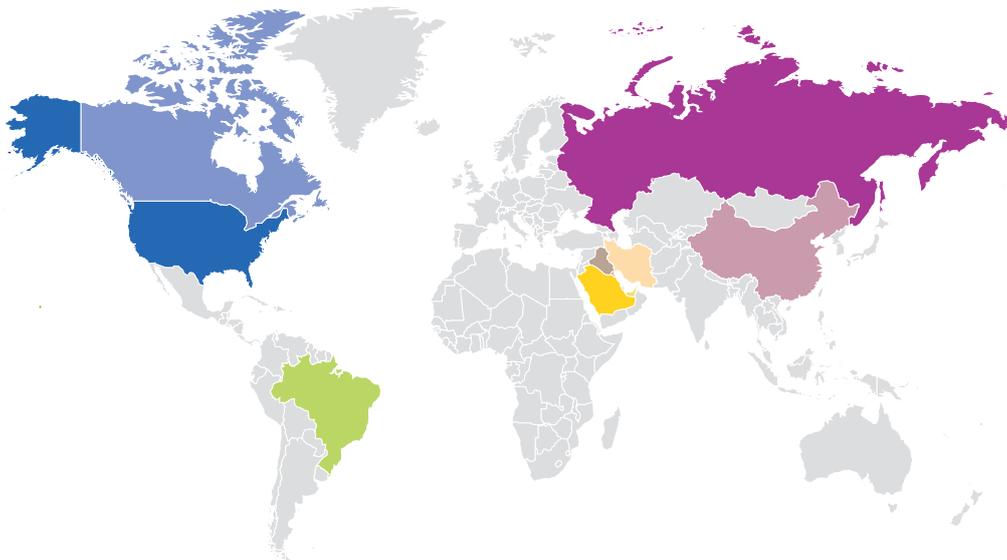
^(*) Data source: Eni's calculations on Enerdata Global Energy Market & CO₂ Data, IEA (2025) Monthly Oil Data Services and other official data sources. All rights reserved.

Reserves/Production Ratio

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

	2010	2015	2019	2020	2021	2022	2023	2024
Iran	98	121	171	188	163	155	135	123
Kuwait	111	90	94	103	103	92	94	97
Iraq	161	95	82	94	95	86	89	88
Canada	158	102	95	99	95	90	89	85
United Arab Emirates	95	71	71	78	83	73	74	74
Saudi Arabia	73	61	61	66	66	60	64	67
Russia	20	24	25	28	27	27	27	28
China	16	16	18	18	18	18	18	18
Brazil	18	14	12	11	12	13	12	13
United States	9	8	7	6	7	7	7	7

The World's Top 10 (2024)



^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2025) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Reserves/Production Ratio

Countries^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	9	10	11	10	10	10	10	9
Albania	46	22	22	23	25	36	39	41
Austria	6	8	8	9	9	10	11	10
Belarus	15	16	16	16	16	17	18	20
Bulgaria	40	40	40	40	40	40	40	40
Croatia	11	13	14	16	16	17	18	19
Czech Republic	4	6	8	4	4	5	5	5
Denmark	10	10	12	15	17	14	14	12
France	6	9	5	5	7	4	4	5
Germany	11	10	10	5	6	6	5	6
Greece	9	16	6	11	13	13	13	13
Hungary	3	3	2	2	2	2	2	2
Italy	16	12	16	13	14	16	13	18
Netherlands	22	8	18	19	11	14	20	7
Norway	9	10	13	10	10	10	9	8
Poland	9	10	9	8	9	9	9	7
Romania	17	20	22	23	24	25	27	29
Serbia	13	11	13	13	14	16	17	18
Slovakia	7	4	7	6	5	5	3	4
Spain	36	80	491	729			257	
Türkiye	18	20	16	16	15	14	12	10
Ukraine	13	20	20	20	20	97		
United Kingdom	6	7	6	6	6	6	6	7
	2010	2015	2019	2020	2021	2022	2023	2024
Russia and Central Asia	26	27	27	30	29	29	29	30
Russia	20	24	25	28	27	27	27	28
Azerbaijan	18	22	25	27	27	28	31	32
Georgia	119	196						
Kazakhstan	63	48	42	44	44	45	42	44
Kyrgyzstan	60	47	21	21	19	17	16	17
Turkmenistan	21	6	7	7	7	8	8	8
Uzbekistan	21	25	27	28	29	23	19	20

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2025) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Reserves/Production Ratio

Countries^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Middle East	86	74	79	85	85	77	79	79
Bahrain	2	2	1	3	2	2	2	2
Iran	98	121	171	188	163	155	135	123
Iraq	161	95	82	94	95	86	89	88
Israel							7	7
Kuwait	111	90	94	103	103	92	94	97
Oman	16	15	15	15	15	14	14	15
Qatar	42	37	40	39	38	38	38	37
Saudi Arabia	73	61	61	66	66	60	64	67
Syria	17	256	202	158	156	159	170	195
United Arab Emirates	95	71	71	78	83	73	74	74
Yemen	23	246	122	130	148	177	374	429

	2010	2015	2019	2020	2021	2022	2023	2024
Africa	35	42	40	48	44	46	45	45
Algeria	19	21	22	25	25	23	23	25
Angola	14	14	15	15	6	6	6	6
Cameroon	7	6	8	7	8	8	8	9
Chad	34	31	31	33	34	33	31	32
Congo	18	35	16	16	18	18	18	19
Côte d'Ivoire	7	11	8	10	10	10	10	6
Dem. Rep. Congo	22	23	23	24	23	24	25	26
Egypt	17	17	14	14	14	15	15	16
Equatorial Guinea	15	11	16	17	21	25	33	32
Gabon	22	24	26	28	30	29	26	24
Ghana	263	17	9	9	11	11	9	9
Libya	78	303	114	345	108	124	108	115
Mauritania	30	13						
Mozambique						68	8	6
Niger		26	27	29	33	36	40	10
Nigeria	40	45	48	54	60	68	66	63
South Africa	0,3	0,4	0,4	0,5	0,5	1	0,5	1
South Sudan		64	56	57	62	73	70	120
Sudan	38	39	59	66	66	59	64	98
Tunisia	14	20	27	30	27	30	32	36

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2025) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Reserves/Production Ratio

Countries^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Asia - Pacific	17	16	17	17	17	17	17	17
Australia	20	29	15	11	10	10	11	11
Bangladesh	11	10	7	7	8	8	8	8
Brunei	18	24	25	27	28	32	33	33
China	16	16	18	18	18	18	18	18
India	27	15	15	16	16	17	19	19
Indonesia	11	11	11	9	10	10	10	11
Japan	7	10	11	12	12	14	15	16
Malaysia	14	14	15	16	17	13	13	14
Mongolia	7	29	47	49	51	54	57	60
Myanmar	8	13	48	48	50	51	53	55
New Zealand	7	5	5	5	6	8	5	6
Pakistan	11	10	9	14	15	15	15	20
Papua New Guinea	8	8	12	11	11	12	12	13
Philippines	19	25	35	35	36	37	38	40
Thailand	3	4	2	1	1	1	1	1
Vietnam	39	33	52	58	62	64	65	64
	2010	2015	2019	2020	2021	2022	2023	2024
Americas	72	54	51	52	52	50	47	45
Argentina	9	10	8	11	11	11	10	10
Barbados	5	10	11	10	10	11		
Bolivia	22	7	10	10	10	11	12	13
Brazil	18	14	12	11	12	13	12	13
Canada	158	102	95	99	95	90	89	85
Chile	30	64	34	44	47	42	39	50
Colombia	7	5	6	7	7	7	7	7
Cuba	6	6	8	8	9	10	10	11
Ecuador	42	41	42	47	47	47	47	47
Guatemala	20	26	38	28	34	32	35	36
Guyana						109	77	49
Mexico	13	14	10	10	10	10	10	10
Peru	22	26	17	14	19	20	20	20
Suriname	15	18	15	15	16	19	19	21
Trinidad and Tobago	15	18	7	9	9	9	10	10
United States	9	8	7	6	7	7	7	7
Venezuela	293	309	758	1,156	1,157	1,149	976	869

^(*) Data source: Eni's calculations on Enerdata *Global Energy Market & CO₂ Data*, IEA (2025) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Consumption^(*)

Areas and Aggregates^(**)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	15,932	14,967	15,525	13,530	14,238	14,632	14,554	14,630	0.5%	-0.6%
Russia and Central Asia	3,427	4,202	4,305	4,194	4,518	4,581	4,661	4,631	-0.6%	2.2%
Middle East	7,962	9,042	9,105	8,411	8,776	9,195	9,297	9,375	0.8%	1.2%
Africa	3,538	4,159	4,184	3,899	4,331	4,370	4,334	4,329	-0.1%	1.5%
Asia - Pacific	27,609	32,283	35,949	34,091	35,608	36,243	37,881	38,536	1.7%	2.4%
Americas	30,269	31,146	31,584	27,560	29,936	30,871	31,276	31,313	0.1%	0.2%
- North America	21,807	22,156	22,961	20,250	22,036	22,571	22,845	22,799	-0.2%	0.3%
- Central South America	8,462	8,990	8,623	7,311	7,900	8,300	8,432	8,514	1.0%	0.0%
World	88,737	95,798	100,651	91,685	97,406	99,893	102,005	102,815	0.8%	1.1%
European Union 27	12,403	11,422	11,789	10,339	10,896	11,216	11,044	11,080	0.3%	-0.8%
MENA	9,840	11,139	10,997	10,239	10,832	11,271	11,382	11,535	1.3%	1.1%
OECD	47,403	46,885	47,948	42,135	44,852	46,017	46,119	46,101	0.0%	-0.2%
NON OECD	41,335	48,913	52,703	49,550	52,555	53,876	55,886	56,713	1.5%	2.3%
OPEC	8,441	9,612	9,337	8,440	8,851	9,317	9,411	9,456	0.5%	0.8%
NON OPEC	80,297	86,187	91,315	83,245	88,556	90,576	92,593	93,359	0.8%	1.1%

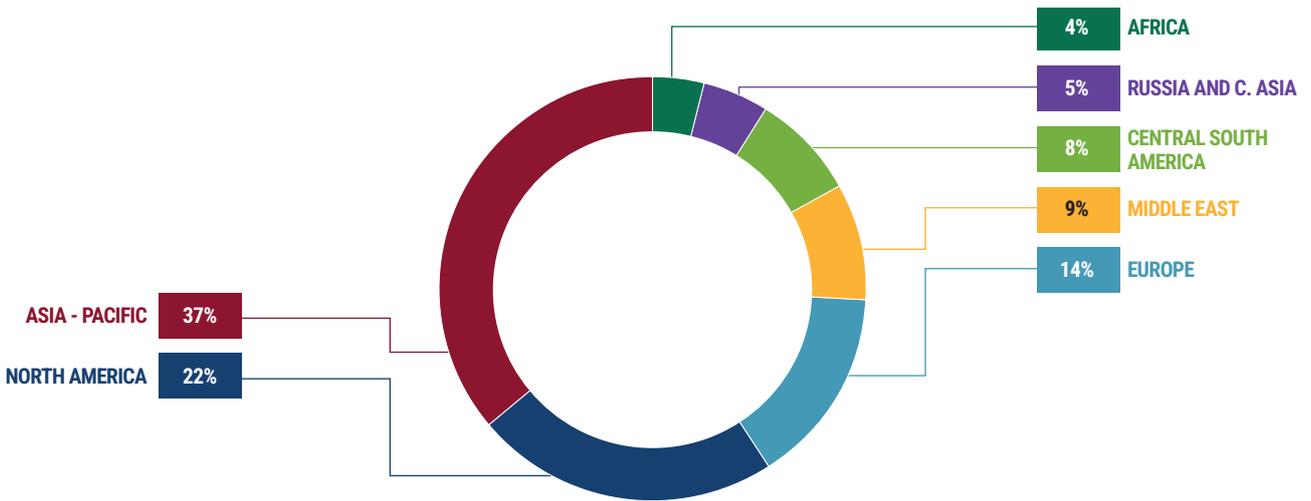
^(*) World Oil Consumption: measured as deliveries from refineries and industry stocks, comprises inland deliveries, international marine bunkers, refinery fuel, crude for direct burning, oil from non-conventional sources and other sources of supply. Includes biofuels.

^(**) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* data. All rights reserved.

Consumption

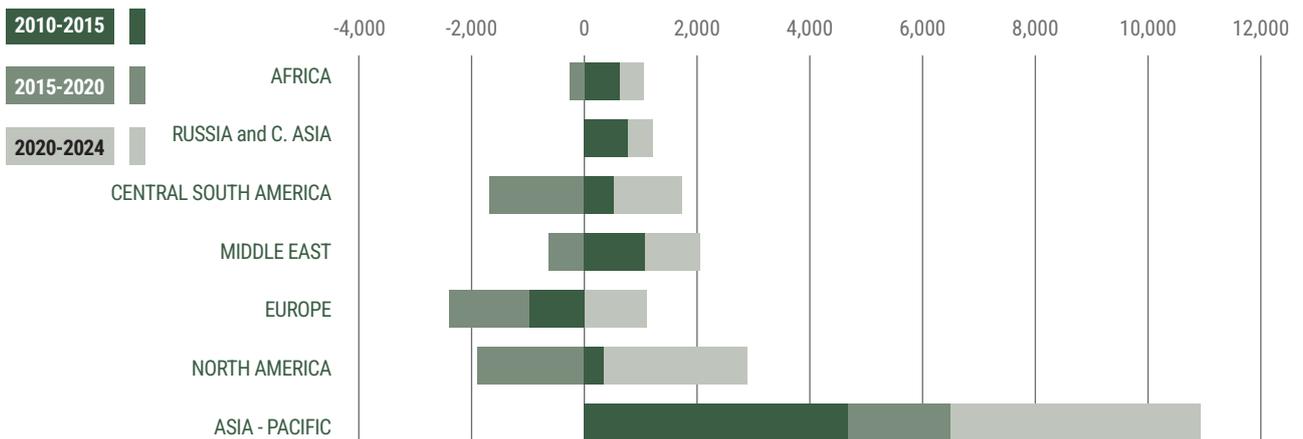
World Oil Consumption (2024)

102,815 thousand barrels/day



World Oil Consumption Growth (2010-2024)

14,007 thousand barrels/day



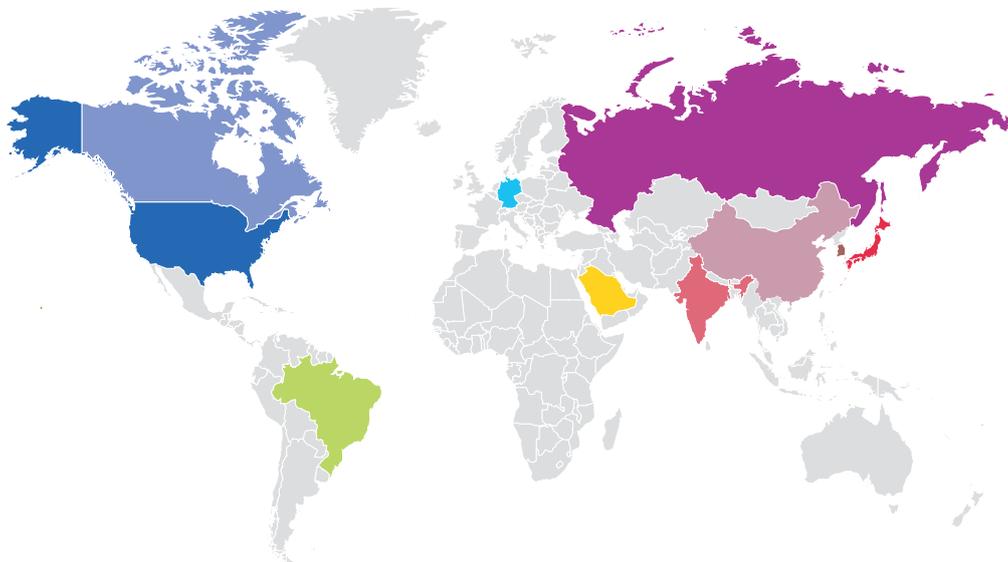
Consumption

The World's Top 10 Consumers^(*)

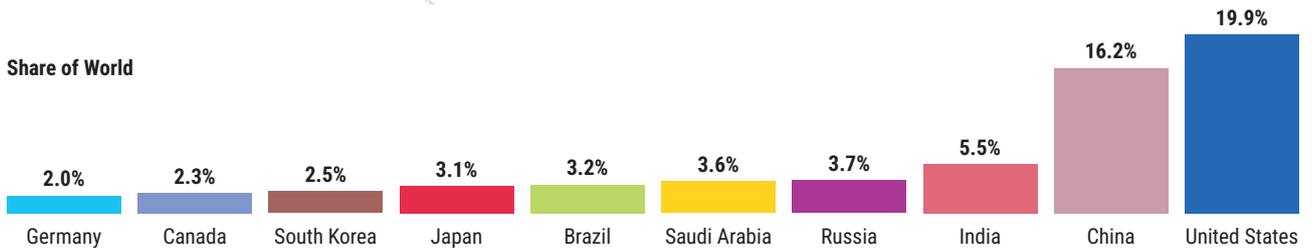
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
United States	19,388	19,688	20,402	18,049	19,753	20,160	20,391	20,421	0.1%	0.4%
China	9,031	11,639	14,146	14,266	15,066	15,087	16,465	16,620	0.9%	4.5%
India	3,366	4,288	4,970	4,635	4,944	5,168	5,415	5,614	3.7%	3.7%
Russia	2,828	3,472	3,568	3,449	3,685	3,782	3,839	3,791	-1.3%	2.1%
Saudi Arabia	3,085	3,841	3,598	3,418	3,475	3,648	3,646	3,667	0.6%	1.2%
Brazil	2,779	3,189	3,073	2,856	3,028	3,130	3,246	3,340	2.9%	1.3%
Japan	4,371	4,145	3,733	3,335	3,394	3,335	3,289	3,140	-4.5%	-2.3%
South Korea	2,269	2,473	2,596	2,448	2,556	2,527	2,452	2,542	3.7%	0.8%
Canada	2,419	2,468	2,558	2,201	2,283	2,410	2,454	2,377	-3.1%	-0.1%
Germany	2,467	2,368	2,355	2,148	2,134	2,174	2,052	2,055	0.1%	-1.3%
The World's Top 10	52,002	57,572	60,999	56,805	60,318	61,423	63,247	63,567	0.5%	1.4%
Rest of the World	36,736	38,226	39,652	34,880	37,089	38,470	38,758	39,248	1.3%	0.5%
World	88,737	95,798	100,651	91,685	97,406	99,893	102,005	102,815	0.8%	1.1%

The World's Top 10 (2024)



Share of World



^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

Consumption

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	15,932	14,967	15,525	13,530	14,238	14,632	14,554	14,630	0.5%	-0.6%
Albania	26	26	29	23	25	25	25	25	2.0%	-0.1%
Austria	278	258	277	239	253	245	245	243	-0.5%	-1.0%
Belarus	151	139	146	147	147	135	136	138	1.6%	-0.6%
Belgium	654	625	644	562	624	605	585	596	1.8%	-0.7%
Bosnia Herzegovina	34	31	34	32	35	33	32	33	1.5%	-0.2%
Bulgaria	84	95	104	95	101	101	100	102	1.8%	1.3%
Croatia	78	69	71	60	65	65	65	66	1.9%	-1.2%
Cyprus	57	48	53	45	47	46	47	48	1.9%	-1.3%
Czech Republic	202	196	219	192	212	216	211	219	3.6%	0.6%
Denmark	167	154	165	137	140	148	152	151	-0.8%	-0.7%
Estonia	27	29	28	28	28	29	28	27	-1.2%	0.1%
Finland	213	205	209	189	184	194	175	172	-1.7%	-1.5%
France	1,817	1,747	1,691	1,425	1,538	1,548	1,554	1,536	-1.1%	-1.2%
Germany	2,467	2,368	2,355	2,148	2,134	2,174	2,052	2,055	0.1%	-1.3%
Gibraltar	83	74	84	84	82	82	82	82	0.0%	0.0%
Greece	370	295	310	251	269	306	304	309	1.7%	-1.3%
Hungary	149	155	180	167	182	180	175	179	2.3%	1.3%
Iceland	15	17	20	13	15	20	19	20	4.4%	2.2%
Ireland	164	146	159	135	146	155	156	159	1.5%	-0.3%
Italy	1,544	1,274	1,255	1,032	1,160	1,261	1,246	1,245	-0.1%	-1.5%
Kosovo	11	14	16	15	17	14	14	14	2.3%	1.7%
Latvia	37	37	40	35	37	36	35	33	-7.3%	-1.0%
Lithuania	56	57	68	64	66	66	68	67	-1.4%	1.3%
Luxembourg	60	56	64	53	57	52	51	51	1.5%	-1.1%
Malta	47	43	54	50	46	50	51	54	4.1%	1.0%
Moldova	17	18	21	20	22	22	22	22	1.6%	2.0%
Montenegro	7	6	9	7	9	8	8	8	2.2%	1.7%
Netherlands	991	916	901	859	853	843	872	840	-3.6%	-1.2%
North Macedonia	18	20	22	21	22	23	21	21	1.3%	0.9%
Norway	233	240	248	218	235	224	229	229	0.2%	-0.1%
Poland	568	541	698	661	698	724	722	743	2.9%	1.9%
Portugal	274	237	249	203	212	233	212	204	-4.0%	-2.1%
Romania	176	194	228	219	213	225	244	254	4.0%	2.6%
Serbia	81	71	78	72	81	85	85	87	2.3%	0.5%
Slovakia	84	79	86	87	91	92	94	90	-4.3%	0.5%
Slovenia	55	49	55	46	50	52	46	45	-2.4%	-1.6%
Spain	1,441	1,247	1,328	1,089	1,192	1,289	1,274	1,325	4.0%	-0.6%
Sweden	341	301	297	268	302	282	283	270	-4.5%	-1.7%
Switzerland	261	227	220	180	188	190	193	194	0.3%	-2.1%
Türkiye	675	881	987	921	974	1,013	1,083	1,107	2.3%	3.6%
Ukraine	294	220	244	215	233	165	165	169	2.0%	-3.9%
United Kingdom	1,626	1,560	1,578	1,222	1,256	1,376	1,396	1,400	0.2%	-1.1%

^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

Consumption

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	3,427	4,202	4,305	4,194	4,518	4,581	4,661	4,631	-0.6%	2.2%
Russia	2,828	3,472	3,568	3,449	3,685	3,782	3,839	3,791	-1.3%	2.1%
Armenia	9	7	10	13	14	14	15	16	4.5%	4.0%
Azerbaijan	74	96	112	101	117	114	115	117	2.0%	3.3%
Georgia	22	26	31	29	32	31	32	33	4.1%	2.9%
Kazakhstan	233	318	290	314	375	337	350	358	2.2%	3.1%
Kyrgyzstan	27	36	30	25	28	28	29	27	-6.8%	0.1%
Tajikistan	11	22	26	26	27	29	30	32	4.7%	7.9%
Turkmenistan	126	142	141	134	135	137	138	140	1.7%	0.8%
Uzbekistan	98	82	98	102	105	110	114	118	3.9%	1.4%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	7,962	9,042	9,105	8,411	8,776	9,195	9,297	9,375	0.8%	1.2%
Bahrain	61	61	64	55	57	61	62	64	2.9%	0.3%
Iran	1,848	1,924	1,933	1,824	1,897	1,887	1,880	1,909	1.5%	0.2%
Iraq	565	606	746	659	765	904	1,001	996	-0.5%	4.1%
Israel	251	217	234	206	209	232	227	217	-4.2%	-1.0%
Jordan	102	134	106	87	94	93	94	95	1.9%	-0.5%
Kuwait	515	523	517	483	518	537	535	531	-0.8%	0.2%
Lebanon	120	162	169	137	108	66	65	65	0.3%	-4.3%
Oman	127	185	207	181	239	267	268	270	0.9%	5.6%
Qatar	173	287	319	283	286	311	313	316	1.1%	4.4%
Saudi Arabia	3,085	3,841	3,598	3,418	3,475	3,648	3,646	3,667	0.6%	1.2%
Syria	307	139	171	163	160	157	158	156	-1.5%	-4.7%
United Arab Emirates	660	888	970	853	905	972	989	1,031	4.3%	3.2%
Yemen	148	73	71	63	61	60	59	58	-0.7%	-6.4%

^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

Consumption

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	3,538	4,159	4,184	3,899	4,331	4,370	4,334	4,329	-0.1%	1.5%
Algeria	351	455	454	409	420	437	458	482	5.2%	2.3%
Angola	99	163	149	113	153	153	153	155	1.6%	3.3%
Benin	35	36	47	49	34	35	36	38	4.3%	0.6%
Cameroon	34	39	39	37	39	38	39	40	2.9%	1.1%
Congo	12	15	12	11	12	12	12	12	3.1%	0.0%
Côte d'Ivoire	24	45	56	54	79	83	86	90	4.4%	10.0%
Dem. Rep. Congo	16	21	25	26	25	32	32	33	2.7%	5.5%
Egypt	763	858	651	751	861	868	856	890	4.0%	1.1%
Ethiopia	44	69	102	85	100	90	96	100	4.2%	6.0%
Gabon	19	22	16	14	14	14	14	14	1.9%	-2.0%
Ghana	70	86	100	98	107	92	93	94	1.9%	2.1%
Kenya	85	104	123	109	120	112	117	121	3.5%	2.5%
Libya	304	218	208	165	193	198	204	203	-0.7%	-2.8%
Morocco	257	274	297	266	293	291	296	302	2.2%	1.2%
Mozambique	16	26	30	27	34	35	36	37	3.0%	6.2%
Nigeria	293	415	488	427	485	509	473	406	-14.2%	2.4%
Senegal	38	47	52	50	61	64	66	69	5.7%	4.4%
South Africa	587	655	619	531	562	593	600	557	-7.2%	-0.4%
South Sudan	0	14	14	13	13	12	12	12	3.5%	
Sudan	114	122	142	129	142	123	107	104	-2.8%	-0.6%
Tunisia	88	102	103	94	101	98	86	94	9.8%	0.5%
Tanzania	33	63	69	68	81	80	82	85	3.6%	7.0%
Zambia	17	28	30	29	33	32	32	33	2.9%	5.1%
Zimbabwe	14	28	30	24	29	33	28	28	-1.6%	4.9%
Other Africa	225	253	327	320	337	339	320	328	2.5%	2.7%

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Consumption

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	27,609	32,283	35,949	34,091	35,608	36,243	37,881	38,536	1.7%	2.4%
Australia	1,050	1,106	1,150	991	1,012	1,064	1,123	1,151	2.6%	0.7%
Bangladesh	80	136	186	157	219	257	264	265	0.6%	8.9%
Brunei	16	17	21	25	22	61	61	62	1.9%	10.0%
China	9,031	11,639	14,146	14,266	15,066	15,087	16,465	16,620	0.9%	4.5%
Hong Kong	415	371	412	286	239	222	273	312	14.1%	-2.0%
India	3,366	4,288	4,970	4,635	4,944	5,168	5,415	5,614	3.7%	3.7%
Indonesia	1,406	1,683	1,833	1,658	1,739	1,866	1,873	1,895	1.2%	2.2%
Japan	4,371	4,145	3,733	3,335	3,394	3,335	3,289	3,140	-4.5%	-2.3%
Malaysia	586	688	752	588	584	640	690	737	6.8%	1.7%
Myanmar	24	74	148	137	118	113	112	113	1.0%	11.7%
Nepal	22	27	45	56	63	63	62	64	2.1%	7.8%
New Zealand	153	161	181	150	147	151	154	155	0.4%	0.1%
North Korea	17	18	19	19	15	15	17	17	-0.5%	0.0%
Pakistan	400	526	448	516	596	617	527	543	2.9%	2.2%
Philippines	314	401	478	399	438	475	501	508	1.4%	3.5%
Singapore	1,162	1,294	1,352	1,222	1,213	1,315	1,354	1,441	6.4%	1.6%
South Korea	2,269	2,473	2,596	2,448	2,556	2,527	2,452	2,542	3.7%	0.8%
Sri Lanka	88	105	133	109	115	82	85	91	6.8%	0.2%
Taiwan	1,138	1,139	1,067	1,019	1,075	991	926	919	-0.8%	-1.5%
Thailand	1,118	1,363	1,477	1,357	1,344	1,403	1,395	1,426	2.2%	1.8%
Vietnam	395	399	521	452	433	529	577	653	13.1%	3.7%
Others Asia - Pacific	189	231	279	266	277	262	265	269	1.4%	2.6%

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Consumption

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	30,269	31,146	31,584	27,560	29,936	30,871	31,276	31,313	0.1%	0.2%
Argentina	656	682	625	530	636	697	697	657	-5.8%	0.0%
Bolivia	59	79	91	77	94	98	98	99	1.1%	3.8%
Brazil	2,779	3,189	3,073	2,856	3,028	3,130	3,246	3,340	2.9%	1.3%
Canada	2,419	2,468	2,558	2,201	2,283	2,410	2,454	2,377	-3.1%	-0.1%
Chile	322	331	362	331	361	406	401	404	0.8%	1.6%
Colombia	266	338	373	325	356	374	378	385	1.9%	2.7%
Costa Rica	50	53	60	50	57	56	58	60	2.9%	1.3%
Cuba	182	183	139	120	136	135	127	91	-28.4%	-4.8%
Curaçao	69	79	55	44	47	49	49	48	-2.3%	-2.6%
Dominican Republic	123	133	153	114	134	141	144	149	4.0%	1.4%
Ecuador	239	273	275	227	270	284	284	285	0.1%	1.2%
El Salvador	45	50	59	46	54	56	57	58	2.2%	1.9%
Guatemala	70	89	109	101	117	118	119	122	2.5%	4.0%
Haiti	16	22	23	21	21	20	20	19	-2.1%	1.3%
Honduras	46	60	56	50	58	56	57	59	2.6%	1.7%
Jamaica	52	53	61	38	43	48	49	50	1.4%	-0.3%
Mexico	2,094	2,006	1,966	1,626	1,631	1,747	1,737	1,741	0.3%	-1.3%
Nicaragua	29	34	34	31	34	33	34	35	2.8%	1.5%
Panama	122	144	176	108	120	132	159	172	8.3%	2.5%
Paraguay	36	47	63	57	65	57	57	59	3.0%	3.5%
Peru	200	236	274	212	285	277	284	293	3.4%	2.8%
Trinidad and Tobago	43	46	31	27	26	26	26	27	1.9%	-3.3%
United States	19,388	19,688	20,402	18,049	19,753	20,160	20,391	20,421	0.1%	0.4%
Uruguay	51	52	54	49	58	53	52	54	3.0%	0.4%
Venezuela	788	703	396	176	165	199	198	206	3.8%	-9.1%
Others Americas	126	109	115	95	104	106	102	102	-0.4%	-1.5%

^(*) Data source: IEA (2025) *Monthly Oil Data Services*. All rights reserved.

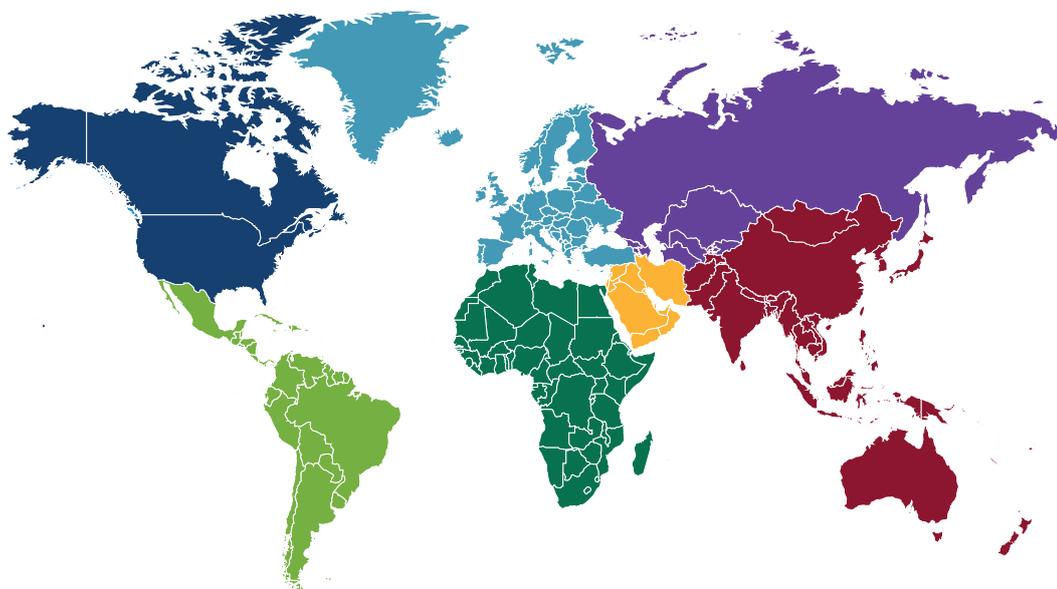
Per Capita Consumption

Areas and Aggregates^(*)

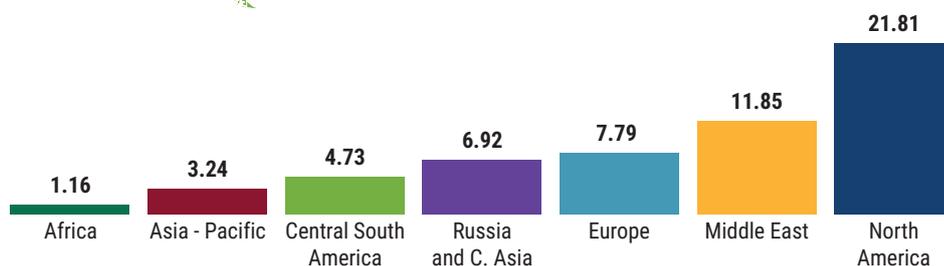
(barrels)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	8.71	8.04	8.23	7.16	7.53	7.78	7.75	7.79
Russia and Central Asia	5.59	6.63	6.59	6.39	6.85	6.91	6.99	6.92
Middle East	13.32	13.45	12.68	11.54	11.85	12.14	11.97	11.85
Africa	1.34	1.38	1.26	1.15	1.24	1.23	1.19	1.16
Asia - Pacific	2.60	2.89	3.11	2.93	3.04	3.08	3.20	3.24
Americas	11.93	11.70	11.48	9.96	10.77	11.03	11.08	11.00
- North America	23.11	22.59	22.75	19.98	21.68	22.05	22.08	21.81
- Central South America	5.31	5.35	4.95	4.17	4.48	4.67	4.72	4.73
World	4.64	4.71	4.74	4.27	4.50	4.58	4.64	4.63
European Union 27	10.27	9.39	9.61	8.42	8.88	9.11	8.95	8.99
MENA	8.27	8.40	7.71	7.06	7.35	7.50	7.43	7.40
OECD	13.40	12.83	12.80	11.20	11.89	12.14	12.10	12.05
NON OECD	2.66	2.94	3.01	2.80	2.94	2.99	3.07	3.09
OPEC	6.80	6.81	6.11	5.42	5.58	5.75	5.69	5.61
NON OPEC	4.49	4.56	4.63	4.18	4.42	4.49	4.55	4.55

Per Capita Consumption (2024)



Barrels



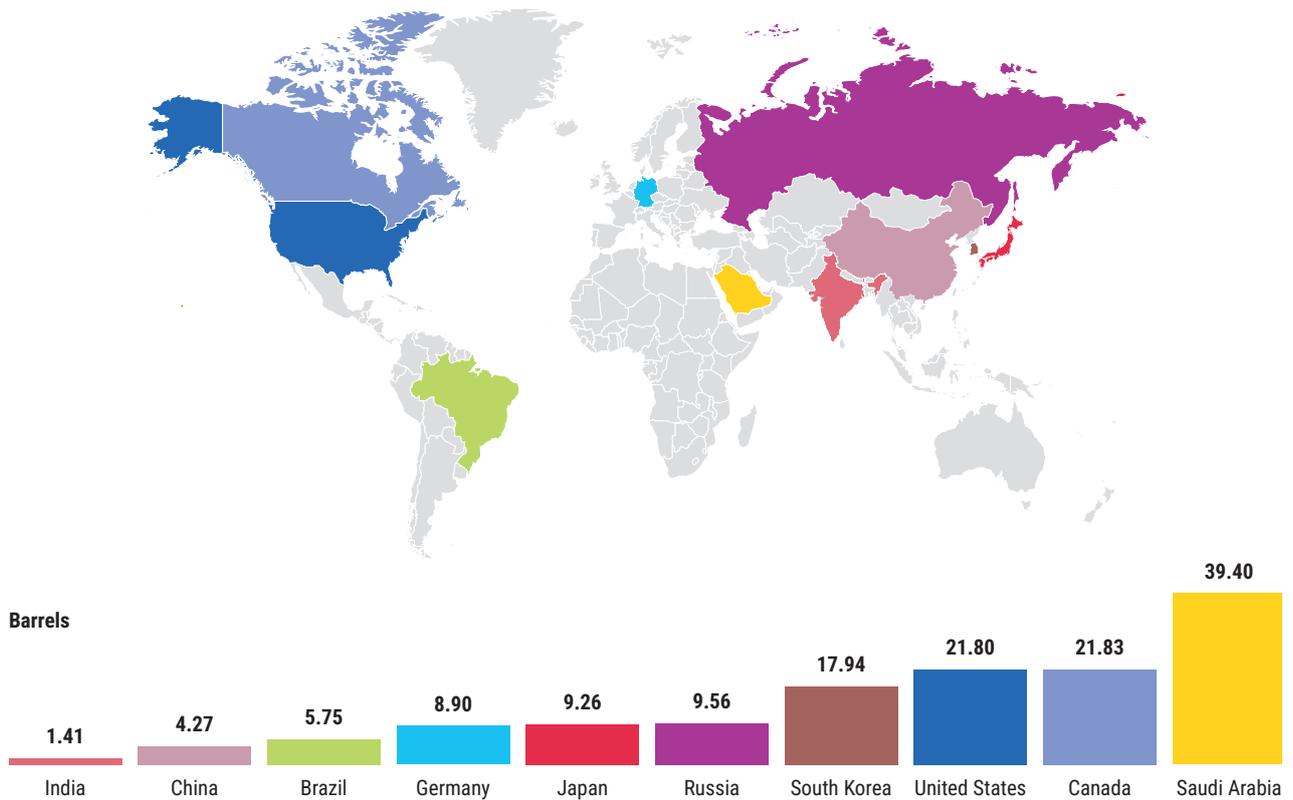
^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* and S&P Global data. All rights reserved.

Per Capita Consumption

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

	2010	2015	2019	2020	2021	2022	2023	2024
Saudi Arabia	44.76	46.78	43.10	40.26	40.49	41.38	40.01	39.40
Canada	25.82	25.05	24.71	21.04	21.67	22.66	22.79	21.83
United States	22.81	22.31	22.53	19.86	21.68	21.97	22.00	21.80
South Korea	16.98	17.71	18.30	17.23	17.99	17.81	17.29	17.94
Russia	7.17	8.72	8.89	8.60	9.22	9.48	9.63	9.56
Japan	12.45	11.89	10.75	9.64	9.86	9.74	9.65	9.26
Germany	11.14	10.53	10.29	9.37	9.31	9.44	8.86	8.90
Brazil	5.24	5.77	5.41	5.00	5.27	5.43	5.61	5.75
China	2.44	3.04	3.63	3.65	3.86	3.86	4.22	4.27
India	0.99	1.18	1.31	1.21	1.28	1.32	1.37	1.41

The World's Top 10 (2024)



^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* and S&P Global data. All rights reserved.

Per Capita Consumption

Countries^(*)

(barrels)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	8.71	8.04	8.23	7.16	7.53	7.78	7.75	7.79
Albania	3.20	3.33	3.68	2.95	3.21	3.25	3.28	3.37
Austria	12.15	10.91	11.40	9.78	10.28	9.86	9.77	9.78
Belarus	5.80	5.34	5.64	5.75	5.81	5.36	5.44	5.57
Belgium	21.84	20.22	20.45	17.78	19.67	18.97	18.23	18.52
Bosnia Herzegovina	3.25	3.23	3.72	3.51	3.99	3.77	3.70	3.78
Bulgaria	4.14	4.83	5.43	5.00	5.34	5.39	5.37	5.49
Croatia	6.51	5.94	6.27	5.36	5.83	5.91	5.90	6.04
Cyprus	18.46	14.30	15.00	12.65	12.90	12.72	12.73	12.85
Czech Republic	7.05	6.80	7.58	6.66	7.34	7.38	7.13	7.44
Denmark	11.02	9.92	10.38	8.57	8.75	9.18	9.34	9.22
Estonia	7.31	8.07	7.58	7.75	7.65	7.73	7.36	7.31
Finland	14.47	13.66	13.82	12.45	12.12	12.69	11.39	11.17
France	10.46	9.82	9.39	7.89	8.49	8.53	8.54	8.43
Germany	11.14	10.53	10.29	9.37	9.31	9.44	8.86	8.90
Greece	12.13	9.97	10.54	8.57	9.27	10.73	10.84	11.24
Hungary	5.46	5.77	6.74	6.27	6.83	6.78	6.58	6.74
Iceland	16.77	19.10	19.96	13.28	15.11	18.73	17.92	18.43
Ireland	13.16	11.35	11.78	9.87	10.60	11.05	10.97	11.01
Italy	9.37	7.67	7.62	6.29	7.09	7.72	7.64	7.66
Kosovo	2.35	2.82	3.17	3.09	3.36	2.88	2.83	2.89
Latvia	6.51	6.78	7.60	6.79	7.15	6.89	6.81	6.35
Lithuania	6.48	7.04	8.71	8.34	8.59	8.76	9.13	9.09
Luxembourg	43.26	36.04	37.64	30.47	32.26	29.15	28.17	28.30
Malta	40.54	34.44	39.28	35.18	31.61	33.93	35.10	36.42
Moldova	2.12	2.27	2.91	2.75	3.11	3.13	3.14	3.24
Montenegro	3.84	3.65	4.99	4.06	5.06	4.79	4.68	4.78
Netherlands	21.58	19.55	18.76	17.78	17.56	17.18	17.58	16.82
North Macedonia	3.28	3.70	4.33	4.01	4.41	4.62	4.10	4.17
Norway	17.42	16.88	16.92	14.77	15.85	15.00	15.12	15.01
Poland	5.44	5.16	6.66	6.32	6.70	6.89	6.80	7.04
Portugal	9.44	8.35	8.79	7.15	7.45	8.17	7.43	7.14
Romania	3.14	3.56	4.27	4.11	4.04	4.28	4.66	4.81
Serbia	4.04	3.64	4.10	3.83	4.33	4.67	4.68	4.81
Slovakia	5.65	5.30	5.78	5.79	6.09	6.18	6.27	6.01
Slovenia	9.84	8.67	9.50	7.97	8.57	8.87	7.86	7.68
Spain	11.23	9.75	10.22	8.33	9.12	9.84	9.70	10.09
Sweden	13.29	11.20	10.54	9.46	10.57	9.82	9.78	9.29
Switzerland	12.16	9.99	9.36	7.59	7.87	7.87	7.95	7.93
Türkiye	3.36	4.02	4.22	3.91	4.10	4.25	4.53	4.62
Ukraine	2.31	1.75	1.98	1.76	1.92	1.84	2.02	2.05
United Kingdom	9.42	8.71	8.58	6.62	6.78	7.37	7.42	7.42

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Per Capita Consumption

Countries^(*)

(barrels)

	2010	2015	2019	2020	2021	2022	2023	2024
Russia and Central Asia	5.59	6.63	6.59	6.39	6.85	6.91	6.99	6.92
Russia	7.17	8.72	8.89	8.60	9.22	9.48	9.63	9.56
Armenia	1.12	0.91	1.27	1.62	1.79	1.77	1.85	1.92
Azerbaijan	2.95	3.61	4.03	3.63	4.16	4.06	4.07	4.14
Georgia	2.09	2.54	3.00	2.77	3.04	2.94	3.05	3.18
Kazakhstan	5.04	6.43	5.51	5.89	6.90	6.10	6.26	6.31
Kyrgyzstan	1.77	2.17	1.70	1.38	1.52	1.46	1.49	1.37
Tajikistan	0.52	0.92	0.99	0.99	0.98	1.03	1.06	1.09
Turkmenistan	8.25	8.35	7.55	7.04	6.96	6.92	6.82	6.81
Uzbekistan	1.26	0.97	1.08	1.11	1.12	1.15	1.17	1.19
	2010	2015	2019	2020	2021	2022	2023	2024
Middle East	13.32	13.45	12.68	11.54	11.85	12.14	11.97	11.85
Bahrain	18.46	16.28	15.78	13.56	13.91	14.47	14.52	14.59
Iran	8.71	8.50	8.11	7.59	7.83	7.69	7.57	7.64
Iraq	6.65	5.89	6.61	5.71	6.48	7.49	8.10	7.94
Israel	12.50	9.86	9.85	8.52	8.54	9.30	8.94	8.44
Jordan	5.08	5.11	3.64	2.91	3.10	3.02	2.99	3.01
Kuwait	63.87	49.79	42.46	40.06	43.39	42.70	40.38	39.26
Lebanon	8.67	9.16	10.66	8.77	6.87	4.17	4.11	4.10
Oman	16.75	16.10	16.45	14.64	19.41	20.63	19.36	18.68
Qatar	36.90	43.17	41.58	36.78	37.15	39.23	38.34	37.86
Saudi Arabia	44.76	46.78	43.10	40.26	40.49	41.38	40.01	39.40
Syria	4.99	2.61	3.07	2.83	2.69	2.55	2.45	2.31
United Arab Emirates	34.73	37.38	37.74	32.93	33.75	34.65	34.02	34.47
Yemen	2.01	0.86	0.74	0.63	0.60	0.58	0.54	0.52

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Per Capita Consumption

Countries^(*)

(barrels)

	2010	2015	2019	2020	2021	2022	2023	2024
Africa	1.34	1.38	1.26	1.15	1.24	1.23	1.19	1.16
Algeria	3.54	4.15	3.83	3.39	3.43	3.51	3.62	3.76
Angola	1.56	2.11	1.68	1.23	1.62	1.57	1.52	1.50
Benin	1.30	1.15	1.35	1.37	0.93	0.93	0.94	0.95
Cameroon	0.64	0.63	0.56	0.52	0.53	0.50	0.50	0.50
Congo	1.01	1.11	0.79	0.72	0.74	0.70	0.71	0.71
Côte d'Ivoire	0.38	0.65	0.72	0.68	0.98	1.00	1.01	1.03
Dem. Rep. Congo	0.08	0.09	0.10	0.10	0.09	0.11	0.11	0.11
Egypt	3.12	3.14	2.21	2.51	2.83	2.81	2.73	2.79
Ethiopia	0.18	0.24	0.32	0.26	0.30	0.26	0.27	0.28
Gabon	4.09	3.94	2.58	2.23	2.17	2.10	2.08	2.07
Ghana	1.01	1.10	1.17	1.13	1.20	1.01	1.00	1.00
Kenya	0.75	0.81	0.88	0.76	0.82	0.75	0.77	0.78
Libya	17.06	12.18	10.91	8.57	9.90	10.01	10.21	10.04
Morocco	2.89	2.89	3.00	2.65	2.90	2.84	2.87	2.90
Mozambique	0.25	0.35	0.37	0.32	0.39	0.39	0.39	0.39
Nigeria	0.64	0.79	0.85	0.73	0.81	0.83	0.76	0.63
Senegal	1.09	1.18	1.16	1.09	1.28	1.32	1.32	1.37
South Africa	4.09	4.21	3.79	3.20	3.33	3.47	3.46	3.18
South Sudan	0.00	0.47	0.47	0.43	0.45	0.38	0.37	0.37
Sudan	1.23	1.17	1.19	1.06	1.14	0.96	0.82	0.78
Tanzania	0.72	0.71	0.63	0.56	0.59	0.55	0.47	0.50
Tunisia	2.98	3.26	3.16	2.87	3.07	2.94	2.57	2.80
Zambia	0.43	0.62	0.60	0.56	0.61	0.58	0.57	0.57
Zimbabwe	0.39	0.71	0.72	0.57	0.67	0.74	0.63	0.61

^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* and S&P Global data. All rights reserved.

Per Capita Consumption

Countries^(*)

(barrels)

	2010	2015	2019	2020	2021	2022	2023	2024
Asia - Pacific	2.60	2.89	3.11	2.93	3.04	3.08	3.20	3.24
Australia	17.31	16.86	16.48	14.04	14.24	14.83	15.49	15.73
Bangladesh	0.19	0.31	0.41	0.34	0.48	0.55	0.56	0.56
Brunei	15.29	14.88	17.03	20.76	18.01	48.61	48.63	49.13
China	2.44	3.04	3.63	3.65	3.86	3.86	4.22	4.27
Hong Kong	21.35	18.37	20.07	13.92	11.65	10.85	13.41	15.36
India	0.99	1.18	1.31	1.21	1.28	1.32	1.37	1.41
Indonesia	2.08	2.35	2.46	2.20	2.29	2.44	2.43	2.44
Japan	12.45	11.89	10.75	9.64	9.86	9.74	9.65	9.26
Malaysia	7.47	8.05	8.21	6.33	6.22	6.74	7.18	7.56
Myanmar	0.18	0.53	1.02	0.94	0.81	0.77	0.75	0.75
Nepal	0.30	0.35	0.58	0.71	0.78	0.78	0.77	0.78
New Zealand	12.82	12.72	13.25	10.83	10.48	10.72	10.86	10.82
North Korea	0.24	0.26	0.27	0.26	0.21	0.21	0.23	0.23
Pakistan	0.73	0.88	0.71	0.80	0.91	0.92	0.78	0.79
Philippines	1.19	1.39	1.58	1.30	1.41	1.52	1.59	1.60
Singapore	83.51	85.51	87.06	79.35	79.80	84.98	85.40	90.22
South Korea	16.98	17.71	18.30	17.23	17.99	17.81	17.29	17.94
Sri Lanka	1.53	1.76	2.17	1.76	1.85	1.30	1.35	1.43
Taiwan	17.88	17.67	16.46	15.71	16.66	15.44	14.50	14.45
Thailand	5.95	7.05	7.54	6.91	6.84	7.14	7.10	7.26
Vietnam	1.65	1.57	1.96	1.68	1.60	1.94	2.10	2.36

^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* and S&P Global data. All rights reserved.

Per Capita Consumption

Countries^(*)

(barrels)

	2010	2015	2019	2020	2021	2022	2023	2024
Americas	11.93	11.70	11.48	9.96	10.77	11.03	11.08	11.00
Argentina	5.80	5.72	5.07	4.28	5.12	5.60	5.56	5.21
Bolivia	2.11	2.62	2.86	2.37	2.88	2.95	2.91	2.91
Brazil	5.24	5.77	5.41	5.00	5.27	5.43	5.61	5.75
Canada	25.82	25.05	24.71	21.04	21.67	22.66	22.79	21.83
Chile	6.85	6.68	6.88	6.23	6.77	7.59	7.44	7.45
Colombia	2.17	2.62	2.73	2.34	2.54	2.64	2.64	2.66
Costa Rica	4.00	4.04	4.38	3.61	4.13	4.01	4.10	4.20
Cuba	5.87	5.93	4.52	3.91	4.45	4.00	4.11	2.91
Curaçao	160.44	172.51	105.93	87.61	92.57	96.50	96.58	94.29
Dominican Republic	4.57	4.65	5.12	3.78	4.39	4.73	4.75	4.90
Ecuador	5.79	6.11	5.80	4.73	5.57	5.82	5.77	5.73
El Salvador	2.68	2.97	3.47	2.68	3.12	3.23	3.27	3.33
Guatemala	1.77	2.03	2.33	2.13	2.44	2.41	2.40	2.42
Haiti	0.59	0.78	0.75	0.69	0.68	0.64	0.61	0.59
Honduras	2.02	2.35	2.04	1.80	2.05	1.96	1.95	1.96
Jamaica	6.84	6.84	7.86	4.92	5.51	6.19	6.28	6.37
Mexico	6.73	6.05	5.71	4.68	4.66	4.96	4.89	4.86
Nicaragua	1.82	2.05	1.93	1.70	1.85	1.81	1.82	1.85
Panama	12.24	13.26	15.19	9.16	10.04	10.92	13.01	13.92
Paraguay	2.31	2.78	3.51	3.18	3.57	3.07	3.06	3.11
Peru	2.51	2.82	3.09	2.35	3.14	3.02	3.06	3.12
Trinidad and Tobago	11.33	11.87	7.65	6.55	6.39	6.37	6.39	6.49
United States	22.81	22.31	22.53	19.86	21.68	21.97	22.00	21.80
Uruguay	5.65	5.63	5.78	5.28	6.23	5.76	5.67	5.84
Venezuela	9.98	8.39	4.99	2.26	2.13	2.58	2.56	2.65

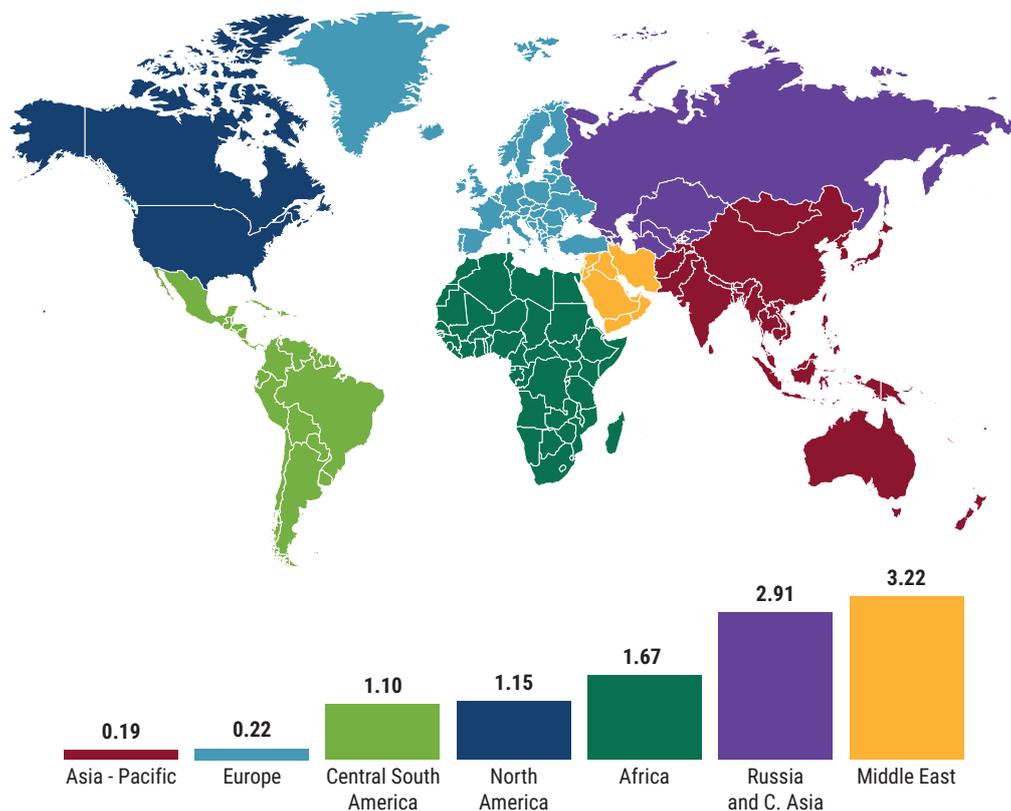
^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* and S&P Global data. All rights reserved.

Production/Consumption Ratio

Areas and Aggregates^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	0.28	0.25	0.23	0.28	0.25	0.23	0.23	0.22
Russia and Central Asia	3.91	3.32	3.39	3.20	3.03	3.03	2.96	2.91
Middle East	3.19	3.28	3.31	3.31	3.21	3.36	3.27	3.22
Africa	2.89	2.00	2.02	1.80	1.71	1.63	1.69	1.67
Asia - Pacific	0.30	0.26	0.21	0.22	0.21	0.20	0.20	0.19
Americas	0.71	0.89	0.99	1.09	1.02	1.04	1.10	1.14
- North America	0.51	0.78	0.99	1.08	1.02	1.05	1.11	1.15
- Central South America	1.22	1.16	0.97	1.09	1.01	1.01	1.09	1.10
World	0.94	0.96	0.95	0.98	0.93	0.95	0.95	0.95
European Union 27	0.06	0.05	0.04	0.05	0.04	0.04	0.04	0.04
MENA	3.00	2.92	3.04	2.95	2.90	3.03	2.96	2.89
OECD	0.41	0.53	0.62	0.68	0.65	0.65	0.69	0.71
NON OECD	1.54	1.37	1.26	1.23	1.17	1.20	1.16	1.14
OPEC	3.73	3.56	3.61	3.53	3.47	3.55	3.50	3.47
NON OPEC	0.64	0.67	0.68	0.72	0.68	0.68	0.69	0.69

Production/Consumption Ratio (2024)



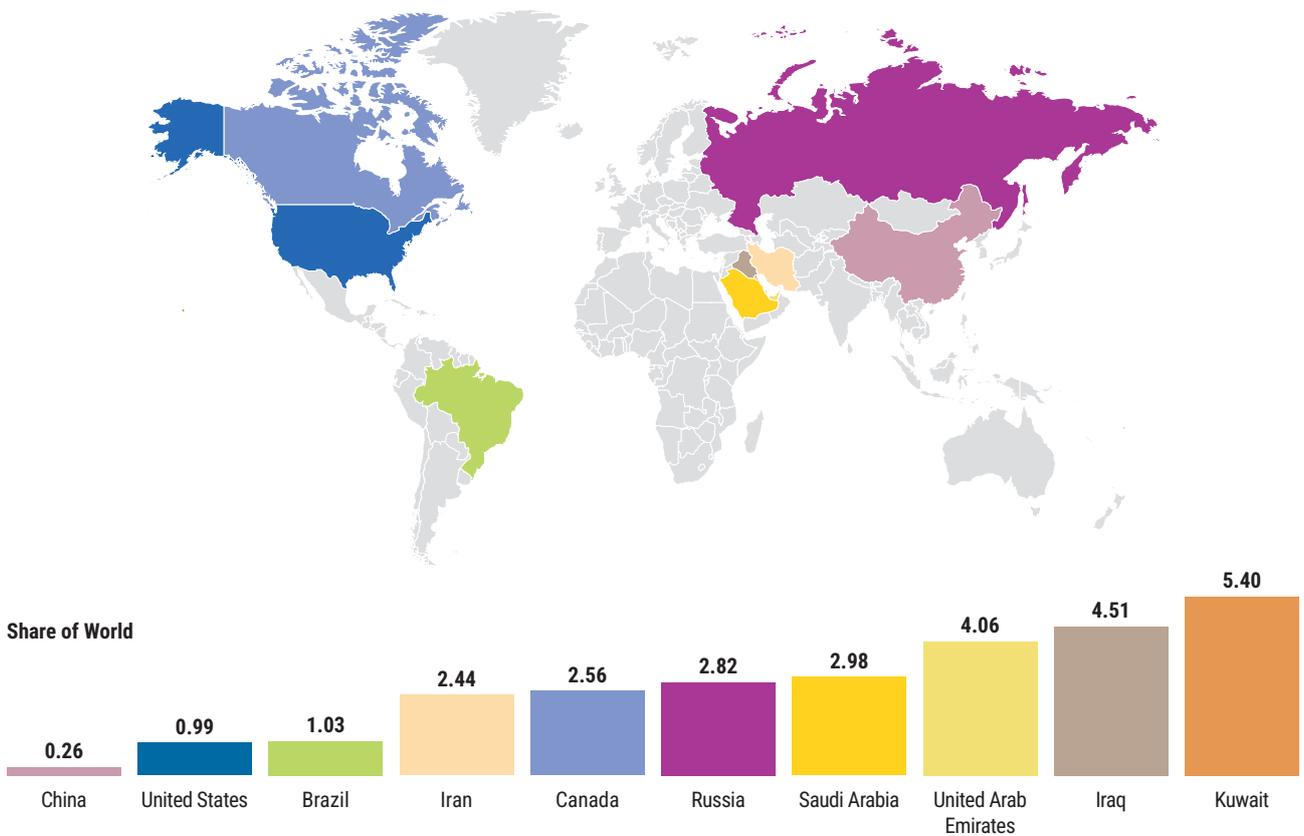
^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* data. All rights reserved.

Production/Consumption Ratio

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

	2010	2015	2019	2020	2021	2022	2023	2024
Kuwait	4.85	5.92	5.74	5.60	5.23	5.61	5.55	5.40
Iraq	4.30	6.77	6.51	6.39	5.49	5.11	4.45	4.51
United Arab Emirates	4.29	4.23	4.18	4.41	4.04	4.37	4.26	4.06
Saudi Arabia	3.23	3.14	3.31	3.25	3.17	3.35	3.13	2.98
Russia	3.67	3.19	3.25	3.08	2.95	2.93	2.86	2.82
Canada	1.43	1.84	2.19	2.43	2.45	2.39	2.38	2.56
Iran	2.28	1.86	1.73	1.67	1.85	1.95	2.25	2.44
Brazil	0.77	0.80	0.94	1.07	0.99	1.00	1.07	1.03
United States	0.39	0.65	0.84	0.92	0.85	0.89	0.96	0.99
China	0.45	0.37	0.28	0.28	0.27	0.28	0.26	0.26

The World's Top 10 (2024)



^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* data. All rights reserved.

Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	0.28	0.25	0.23	0.28	0.25	0.23	0.23	0.22
Albania	0.51	0.87	0.62	0.75	0.65	0.60	0.56	0.52
Austria	0.08	0.07	0.05	0.05	0.04	0.04	0.04	0.04
Belarus	0.23	0.24	0.23	0.23	0.23	0.24	0.22	0.20
Bulgaria	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Croatia	0.23	0.20	0.20	0.21	0.19	0.18	0.17	0.16
Czech Republic	0.03	0.04	0.02	0.03	0.03	0.02	0.02	0.02
Denmark	1.52	0.96	0.59	0.54	0.49	0.46	0.44	0.51
Estonia	0.38	0.55	0.82	0.81	0.78	0.74	0.86	0.86
France	0.02	0.01	0.02	0.02	0.03	0.04	0.03	0.03
Germany	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.02
Greece	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00
Hungary	0.17	0.12	0.13	0.12	0.12	0.12	0.13	0.14
Italy	0.06	0.10	0.07	0.12	0.10	0.08	0.09	0.07
Netherlands	0.04	0.04	0.02	0.02	0.02	0.01	0.01	0.01
Norway	9.16	8.11	7.11	9.35	8.72	8.51	8.83	8.73
Poland	0.04	0.05	0.04	0.04	0.04	0.03	0.03	0.04
Romania	0.50	0.42	0.32	0.33	0.32	0.29	0.25	0.23
Serbia	0.21	0.28	0.22	0.22	0.19	0.17	0.16	0.14
Slovakia	0.04	0.06	0.04	0.04	0.04	0.05	0.07	0.05
Spain	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Türkiye	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.09
Ukraine	0.27	0.25	0.22	0.25	0.23	0.07		
United Kingdom	0.84	0.62	0.73	0.88	0.71	0.61	0.53	0.50
	2010	2015	2019	2020	2021	2022	2023	2024
Russia and Central Asia	3.91	3.32	3.39	3.20	3.03	3.03	2.96	2.91
Russia	3.67	3.19	3.25	3.08	2.95	2.93	2.86	2.82
Azerbaijan	14.07	8.81	6.86	6.90	6.03	5.86	5.40	5.09
Georgia	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Kazakhstan	7.28	5.32	6.70	5.85	4.92	5.40	5.51	5.24
Kyrgyzstan	0.06	0.06	0.16	0.19	0.19	0.21	0.21	0.22
Tajikistan	0.02		0.02	0.02	0.02	0.02	0.01	0.01
Turkmenistan	1.68	1.89	1.58	1.68	1.63	1.57	1.53	1.47
Uzbekistan	0.77	0.80	0.61	0.57	0.53	0.64	0.74	0.70

^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* data. All rights reserved.

Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Middle East	3.19	3.28	3.31	3.31	3.21	3.36	3.27	3.22
Bahrain	3.12	3.48	3.24	3.30	3.24	3.34	3.14	2.90
Iran	2.28	1.86	1.73	1.67	1.85	1.95	2.25	2.44
Iraq	4.30	6.77	6.51	6.39	5.49	5.11	4.45	4.51
Israel							0.03	0.03
Kuwait	4.85	5.92	5.74	5.60	5.23	5.61	5.55	5.40
Oman	6.88	5.35	4.73	5.28	4.09	4.01	3.95	3.71
Qatar	9.65	6.47	5.38	6.25	6.30	5.78	5.78	5.83
Saudi Arabia	3.23	3.14	3.31	3.25	3.17	3.35	3.13	2.98
Syria	1.25	0.19	0.20	0.26	0.27	0.27	0.25	0.22
United Arab Emirates	4.29	4.23	4.18	4.41	4.04	4.37	4.26	4.06
Yemen	2.07	0.44	0.95	0.96	0.90	0.76	0.37	0.33

	2010	2015	2019	2020	2021	2022	2023	2024
Africa	2.89	2.00	2.02	1.80	1.71	1.63	1.69	1.67
Algeria	4.91	3.50	3.28	3.29	3.24	3.36	3.13	2.82
Angola	18.13	11.11	9.58	11.58	7.56	7.69	7.42	7.45
Cameroon	1.86	2.36	1.82	1.94	1.81	1.80	1.66	1.47
Congo	25.28	15.14	27.94	26.68	22.99	23.35	23.27	21.50
Côte d'Ivoire	1.65	0.58	0.65	0.52	0.35	0.32	0.33	0.51
Dem. Rep. Congo	1.41	1.00	0.92	0.87	0.84	0.63	0.59	0.55
Egypt	0.92	0.81	0.97	0.82	0.69	0.69	0.70	0.64
Gabon	12.92	10.43	13.24	13.98	12.83	13.46	15.07	15.79
Ghana	0.10	1.23	2.07	1.99	1.59	1.84	2.09	2.06
Libya	5.47	2.01	5.58	2.32	6.33	5.39	6.02	5.65
Mozambique						0.02	0.14	0.19
Nigeria	8.66	5.41	4.35	4.40	3.46	2.91	3.30	4.01
Senegal								0.69
South Africa	0.24	0.16	0.17	0.17	0.15	0.13	0.15	0.14
South Sudan		10.32	12.67	13.11	11.50	12.23	12.79	7.24
Sudan	4.09	0.86	0.49	0.47	0.43	0.48	0.51	0.35
Tunisia	0.95	0.54	0.39	0.38	0.43	0.39	0.42	0.34

^(*) Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* data. All rights reserved.

Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Asia - Pacific	0.30	0.26	0.21	0.22	0.21	0.20	0.20	0.19
Australia	0.52	0.34	0.40	0.46	0.44	0.39	0.34	0.32
Bangladesh	0.09	0.06	0.06	0.07	0.05	0.04	0.04	0.04
Brunei	10.29	7.37	5.86	4.33	4.84	1.53	1.48	1.44
China	0.45	0.37	0.28	0.28	0.27	0.28	0.26	0.26
India	0.26	0.21	0.17	0.17	0.15	0.14	0.13	0.12
Indonesia	0.70	0.49	0.42	0.44	0.39	0.34	0.34	0.32
Malaysia	1.22	1.02	0.89	1.03	0.97	0.88	0.81	0.73
Myanmar	0.75	0.15	0.05	0.06	0.06	0.07	0.06	0.06
New Zealand	0.39	0.30	0.16	0.17	0.16	0.14	0.15	0.13
Pakistan	0.18	0.19	0.23	0.20	0.17	0.16	0.18	0.17
Philippines	0.06	0.04	0.02	0.03	0.02	0.02	0.02	0.02
South Korea	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Thailand	0.34	0.33	0.30	0.30	0.28	0.24	0.23	0.24
Vietnam	0.78	0.91	0.45	0.45	0.44	0.35	0.32	0.28
	2010	2015	2019	2020	2021	2022	2023	2024
Americas	0.71	0.89	0.99	1.09	1.02	1.04	1.10	1.14
Argentina	1.12	0.95	1.04	1.15	1.01	1.02	1.10	1.26
Bolivia	0.94	0.99	0.74	0.84	0.67	0.61	0.57	0.53
Brazil	0.77	0.80	0.94	1.07	0.99	1.00	1.07	1.03
Canada	1.43	1.84	2.19	2.43	2.45	2.39	2.38	2.56
Chile	0.04	0.02	0.03	0.03	0.02	0.02	0.03	0.02
Colombia	2.96	3.00	2.39	2.42	2.09	2.03	2.09	2.04
Cuba	0.30	0.29	0.30	0.34	0.28	0.26	0.27	0.35
Ecuador	1.96	2.01	1.95	2.13	1.77	1.71	1.69	1.69
Guatemala	0.16	0.11	0.08	0.08	0.07	0.06	0.05	0.05
Mexico	1.41	1.29	0.98	1.19	1.20	1.15	1.21	1.13
Peru	0.78	0.63	0.51	0.59	0.42	0.43	0.40	0.40
Trinidad and Tobago	3.45	2.34	2.64	2.86	2.94	2.92	2.57	2.47
United States	0.39	0.65	0.84	0.92	0.85	0.89	0.96	0.99
Venezuela	3.52	3.79	2.77	4.08	4.36	3.63	4.29	4.64

^(*)Data source: Eni's calculations on IEA (2025) *Monthly Oil Data Services* data. All rights reserved.

Oil Trade and Prices

REGIONAL CRUDE BALANCES

Crude Surplus Deficit by Area

EXPORTS

The World's Top 10 Exporters
Countries

IMPORTS

The World's Top 10 Importers
Countries

CRUDE FUTURE PRICES

Regional Crude Balances

Crude Surplus Deficit by Area^(*)

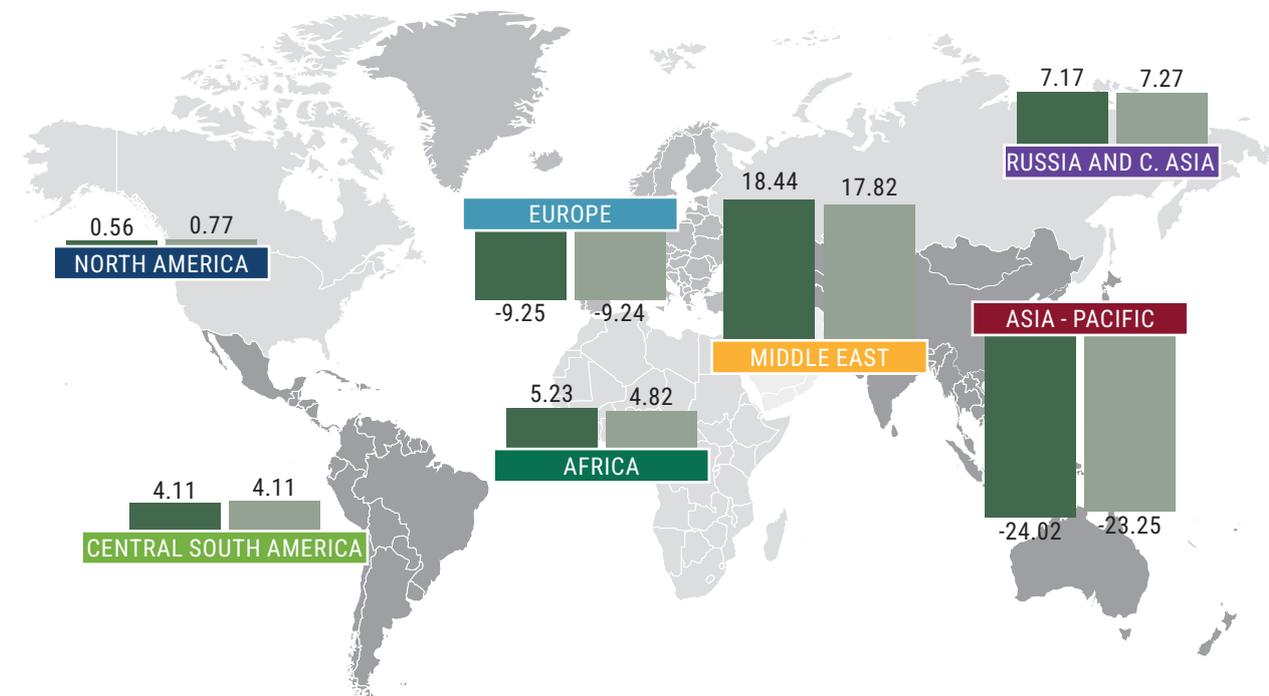
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	-9,817	-10,233	-10,041	-8,257	-8,643	-9,304	-9,253	-9,238	15	578
Russia and Central Asia	7,423	7,175	7,715	6,940	6,947	7,266	7,171	7,270	99	-152
Middle East	15,962	19,009	18,474	17,051	16,634	18,866	18,441	17,824	-617	1.863
Africa	7,263	5,795	5,937	4,758	5,118	4,946	5,229	4,823	-406	-2.440
Asia - Pacific	-15,923	-19,188	-23,141	-21,430	-22,576	-23,190	-24,017	-23,250	767	-7.326
Americas	-4,639	-231	2,645	3,968	2,782	2,996	4,678	4,879	201	9.519
- North America	-8,162	-4,276	-852	375	-472	-473	563	769	207	8.931
- Central South America	3,522	4,044	3,497	3,593	3,254	3,469	4,115	4,110	-5	588
World	268	2,325	1,588	3,030	262	1,580	2,249	2,309	61	2.041

Crude Surplus Deficit by Area (2023 and 2024)

(million barrels/day)

2023 2024



^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* and Wood Mackenzie data. All rights reserved.

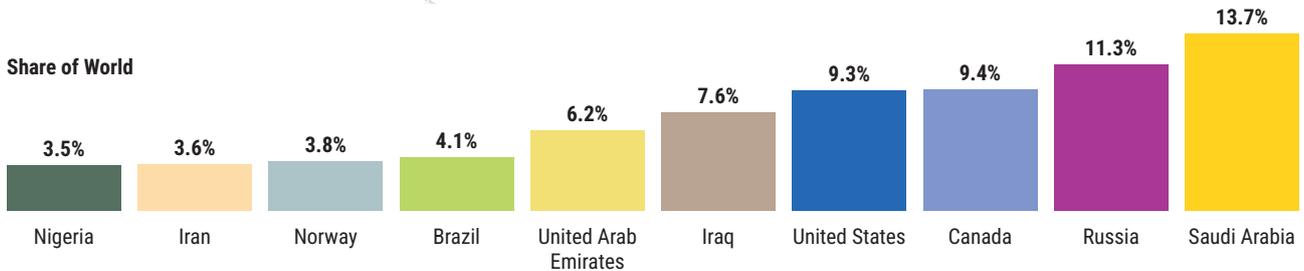
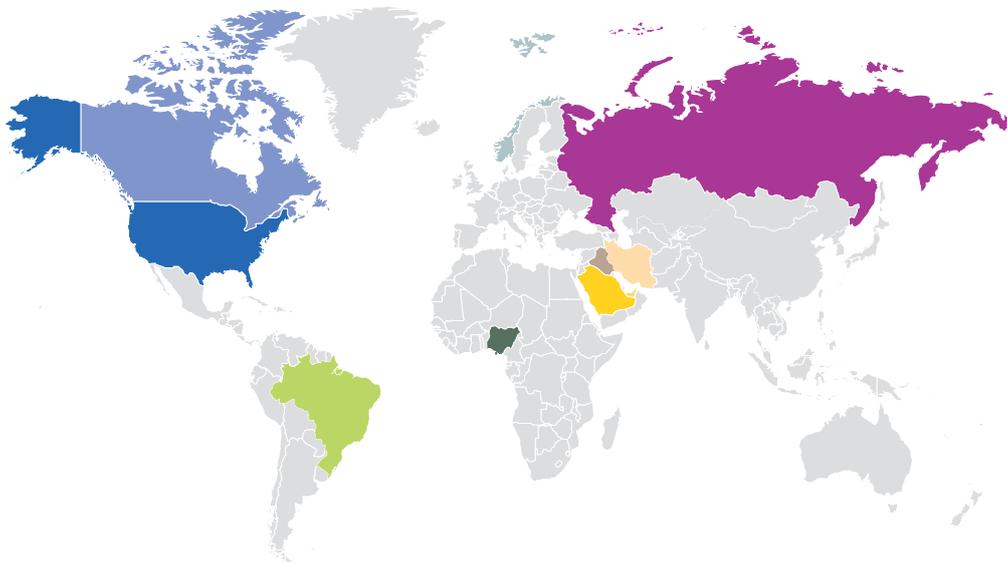
Exports

The World's Top 10 Exporters^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Saudi Arabia	6,644	7,163	7,038	6,659	6,227	7,364	6,659	6,049	-9.2%	-0.7%
Russia	4,865	4,855	5,347	4,694	4,654	5,064	4,858	4,975	2.4%	0.2%
Canada	1,948	3,029	3,778	3,640	3,754	3,843	3,945	4,131	4.7%	5.5%
United States	42	465	2,982	3,206	2,963	3,576	4,082	4,109	0.7%	38.7%
Iraq	1,890	3,005	3,968	3,428	3,440	3,712	3,467	3,364	-3.0%	4.2%
United Arab Emirates	2,104	2,441	2,414	2,418	2,305	2,717	2,651	2,717	2.5%	1.8%
Brazil	641	756	1,257	1,403	1,269	1,364	1,624	1,789	10.1%	7.6%
Norway	1,597	1,242	1,229	1,507	1,543	1,571	1,685	1,670	-0.9%	0.3%
Iran	2,248	1,081	651	404	763	901	1,323	1,566	18.4%	-2.5%
Nigeria	2,464	2,114	2,008	1,879	1,592	1,388	1,476	1,522	3.1%	-3.4%
Rest of the World	16,955	15,995	14,703	12,853	12,835	12,725	12,855	12,174	-5.3%	-2.3%
World	41,399	42,146	45,377	42,093	41,346	44,225	44,626	44,066	-1.3%	0.4%

The World's Top 10 (2024)



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Exports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe										
Albania	9	18	11	11	10	10	8	10	18.2%	0.8%
Belarus	0	32	33	24	24	24	24	23	-6.8%	
Belgium	0	0	0	0	4	0	0	0		
Croatia	0	0	2	11	10	4	6	4	-29.8%	
Czech Republic	0	1	0	0	0	0	0	0		
Denmark	152	91	45	19	19	8	4	16	251.8%	-15.0%
France	0	0	0	1	1	0	0	0		
Germany	15	4	2	0	0	2	1	1	-11.7%	-18.9%
Greece	17	2	5	2	1	0	3	1	-67.1%	-18.2%
Hungary	0	2	2	4	3	1	5	1	-75.0%	
Ireland	2	0	1	6	0	3	2	0		
Italy	7	15	0	4	3	12	21	21	0.5%	8.3%
Lithuania	2	1	1	1	1	1	1	0		
Netherlands	10	6	8	8	6	0	0	0	-94.3%	-35.6%
Norway	1,597	1,242	1,229	1,507	1,543	1,571	1,685	1,670	-0.9%	0.3%
Poland	6	5	5	4	4	4	4	3	-10.3%	-4.6%
Romania	2	1	0	0	0	0	0	0	-62.8%	-18.6%
Slovakia	0	1	0	0	0	0	0	0		
Sweden	0	0	6	4	16	0	0	0		
United Kingdom	718	600	825	709	605	531	497	472	-5.1%	-3.0%
Ukraine	0	0	0	2	2	0	0	0		

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Exports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia										
Russia	4,865	4,855	5,347	4,694	4,654	5,064	4,858	4,975	2.4%	0.2%
Azerbaijan	853	657	554	497	478	445	430	435	1.2%	-4.7%
Georgia	1	3	0	0	0	0	0	0		
Kazakhstan	1,059	1,038	1,193	1,159	1,128	1,075	1,166	1,133	-2.8%	0.5%
Kyrgyzstan	0	0	1	1	0	0	0	0		
Tajikistan	0	0	0	0	0	0	0	0		
Turkmenistan	26	69	16	19	16	15	15	14	-3.0%	-4.3%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East										
Bahrain	150	149	153	149	149	149	144	138	-4.1%	-0.6%
Iran	2,248	1,081	651	404	763	901	1,323	1,566	18.4%	-2.5%
Iraq	1,890	3,005	3,968	3,428	3,440	3,712	3,467	3,364	-3.0%	4.2%
Kuwait	1,430	1,964	1,986	1,826	1,740	1,879	1,568	1,176	-25.0%	-1.4%
Oman	728	827	831	768	774	873	852	808	-5.2%	0.7%
Qatar	633	564	504	513	477	496	492	488	-0.8%	-1.8%
Saudi Arabia	6,644	7,163	7,038	6,659	6,227	7,364	6,659	6,049	-9.2%	-0.7%
Syria	163	0	0	0	0	0	0	0		
United Arab Emirates	2,104	2,441	2,414	2,418	2,305	2,717	2,651	2,717	2.5%	1.8%
Yemen	175	9	35	39	36	32	20	17	-13.0%	-15.2%

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Exports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa										
Algeria	709	642	584	439	446	477	483	459	-4.8%	-3.0%
Angola	1,711	1,711	1,319	1,220	1,080	1,085	1,076	1,042	-3.1%	-3.5%
Cameroon	56	85	66	74	71	71	61	59	-3.6%	0.3%
Chad	123	130	121	124	117	124	133	127	-4.8%	0.2%
Congo	288	227	309	282	251	243	249	236	-5.1%	-1.4%
Dem. Rep. Congo	22	21	22	24	24	21	21	18	-10.9%	-1.4%
Egypt	136	248	206	184	153	128	137	69	-49.9%	-4.8%
Equatorial Guinea	206	182	110	115	93	81	54	56	4.3%	-8.8%
Gabon	225	206	207	196	181	185	204	204	0.1%	-0.7%
Ghana	0	104	203	193	158	144	132	129	-2.2%	
Ivory Coast	38	27	35	27	23	20	23	23	0.0%	-3.6%
Kenya	2	0	0	0	0	0	0	0		
Libya	1,299	288	1,036	347	1,091	920	1,024	1,002	-2.1%	-1.8%
Mauritania	10	5	0	0	0	0	0	0		
Mozambique	1	1	0	0	0	0	0	0		
Nigeria	2,464	2,114	2,008	1,879	1,592	1,388	1,476	1,522	3.1%	-3.4%
South Africa	0	0	0	0	0	0	0	0		
South Sudan	0	146	170	164	149	138	144	86	-40.1%	
Sudan	362	33	21	3	3	3	3	2	-34.3%	-31.8%
Tunisia	73	37	31	23	28	24	26	14	-47.1%	-11.2%

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Exports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific										
Afghanistan	0	0	0	0	2	1	1	1	0.0%	
Australia	312	213	250	245	271	253	254	228	-10.2%	-2.2%
Brunei	147	115	106	71	70	45	43	40	-7.0%	-8.9%
Cambodia	0	0	0	0	1	1	1	0		
China	61	57	16	33	52	41	28	42	47.2%	-2.6%
East Timor	88	45	23	14	12	10	5	2	-60.0%	-23.7%
Indonesia	361	271	71	103	141	43	57	69	20.9%	-11.2%
Malaysia	328	311	241	205	172	297	312	286	-8.5%	-1.0%
Mongolia	5	19	15	11	12	7	13	0		
Myanmar	0	3	4	1	2	2	2	2	-3.0%	
New Zealand	48	39	21	18	14	15	15	14	-10.4%	-8.6%
Pakistan	0	6	9	6	8	6	7	7	-3.0%	
Papua New Guinea	9	24	14	27	23	22	22	21	-6.6%	6.4%
Philippines	7	7	3	7	2	1	1	1	47.6%	-13.9%
Singapore	1	1	0	0	25	0	0	0	-50.0%	-16.0%
Thailand	29	1	26	25	16	13	11	19	68.9%	-3.0%
Vietnam	161	190	80	93	63	55	57	53	-6.4%	-7.6%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas										
Argentina	57	38	67	79	61	117	124	172	39.6%	8.2%
Barbados	1	1	1	0	0	0	0	0	0.0%	-5.2%
Belize	4	1	1	0	0	0	0	0		
Bolivia	0	1	0	0	0	0	0	0		
Brazil	641	756	1,257	1,403	1,269	1,364	1,624	1,789	10.1%	7.6%
Canada	1,948	3,029	3,778	3,640	3,754	3,843	3,945	4,131	4.7%	5.5%
Chile	0	0	0	1	0	1	1	1	-47.5%	
Colombia	474	839	591	573	492	413	444	442	-0.4%	-0.5%
Ecuador	337	414	381	351	326	327	327	327	0.0%	-0.2%
Guatemala	11	9	6	4	4	3	2	2	-9.5%	-13.0%
Guyana	0	0	0	74	89	276	390	617	58.1%	
Mexico	1,467	1,224	1,207	1,161	1,068	1,016	1,073	804	-25.1%	-4.2%
Peru	19	8	6	11	27	38	24	26	6.5%	2.4%
Trinidad and Tobago	47	32	60	57	61	58	57	53	-5.6%	1.0%
United States	42	465	2,982	3,206	2,963	3,576	4,082	4,109	0.7%	38.7%
Venezuela	1,562	1,974	847	487	448	438	550	656	19.2%	-6.0%

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2025) *Monthly Oil Data Services* and other official data sources. All rights reserved.

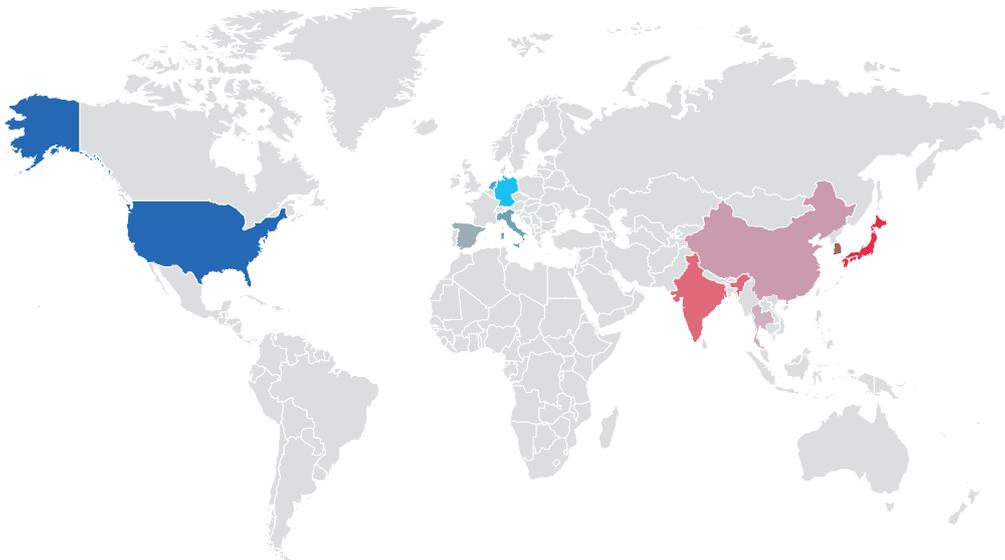
Imports

The World's Top 10 Importers^(*)

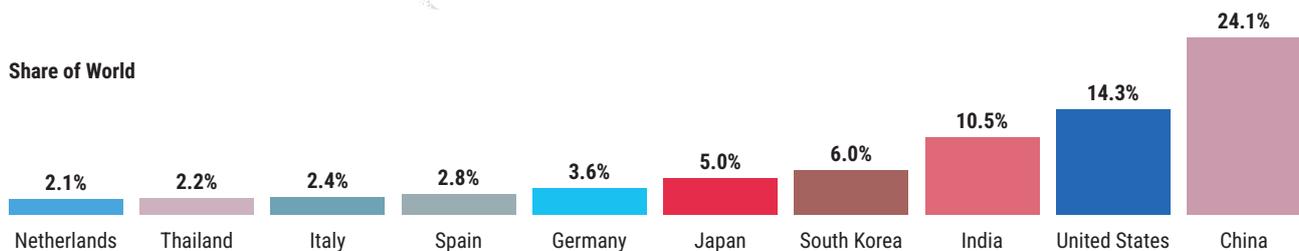
Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
China	4,754	6,710	10,114	10,840	10,258	10,165	11,280	11,068	-1.9%	6.2%
United States	9,213	7,363	6,801	5,875	6,114	6,281	6,489	6,588	1.5%	-2.4%
India	3,267	4,057	4,539	3,929	4,240	4,655	4,686	4,828	3.0%	2.8%
South Korea	2,355	2,755	2,901	2,635	2,589	2,733	2,711	2,734	0.8%	1.1%
Japan	3,437	3,203	2,954	2,410	2,456	2,702	2,522	2,310	-8.4%	-2.8%
Germany	1,864	1,826	1,720	1,650	1,624	1,765	1,546	1,673	8.2%	-0.8%
Spain	1,047	1,296	1,326	1,095	1,123	1,272	1,231	1,288	4.6%	1.5%
Italy	1,571	1,250	1,262	1,004	1,132	1,248	1,224	1,118	-8.7%	-2.4%
Thailand	815	890	872	878	890	947	991	1,008	1.7%	1.5%
Netherlands	1,023	1,046	1,143	988	1,051	1,066	1,075	965	-10.2%	-0.4%
Rest of the World	13,181	13,083	13,102	11,557	11,485	12,020	12,330	12,351	0.2%	-0.5%
World	42,526	43,477	46,733	42,862	42,962	44,852	46,085	45,932	-0.3%	0.6%

The World's Top 10 (2024)



Share of World



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Imports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe										
Austria	135	162	172	148	151	103	152	152	0.4%	0.8%
Belarus	295	458	360	319	319	278	324	369	13.8%	1.6%
Belgium	668	642	690	546	574	554	604	615	1.9%	-0.6%
Bosnia-Herzegovina	23	19	0	0	0	0	0	0		
Bulgaria	109	122	140	98	83	143	125	132	5.3%	1.4%
Croatia	72	47	41	40	36	30	28	36	30.7%	-4.8%
Czech Republic	154	143	155	123	137	148	148	130	-12.6%	-1.2%
Denmark	54	83	101	93	104	90	95	90	-4.8%	3.7%
Finland	215	203	237	209	160	183	192	162	-15.7%	-2.0%
France	1,283	1,135	967	661	676	816	911	889	-2.5%	-2.6%
Germany	1,864	1,826	1,720	1,650	1,624	1,765	1,546	1,673	8.2%	-0.8%
Greece	403	442	456	454	468	439	467	477	2.2%	1.2%
Hungary	115	124	122	121	120	120	124	115	-7.6%	0.0%
Ireland	61	73	52	62	61	62	57	40	-30.0%	-2.9%
Italy	1,571	1,250	1,262	1,004	1,132	1,248	1,224	1,118	-8.7%	-2.4%
Lithuania	180	170	192	156	160	164	182	177	-2.9%	-0.2%
Netherlands	1,023	1,046	1,143	988	1,051	1,066	1,075	965	-10.2%	-0.4%
North Macedonia	17	0	0	0	0	0	0	0		
Norway	11	23	61	61	49	6	36	22	-39.3%	4.7%
Poland	453	529	534	496	472	524	489	510	4.3%	0.8%
Portugal	220	282	225	210	188	202	185	210	13.9%	-0.3%
Romania	120	136	178	145	140	179	152	166	9.2%	2.3%
Serbia	38	37	48	52	55	69	62	56	-10.1%	2.7%
Slovakia	109	119	103	113	109	109	108	93	-13.7%	-1.1%
Spain	1,047	1,296	1,326	1,095	1,123	1,272	1,231	1,288	4.6%	1.5%
Sweden	397	402	341	372	359	377	346	363	4.8%	-0.6%
Switzerland	90	56	55	56	46	61	56	50	-10.3%	-4.0%
Turkey	339	501	621	586	627	670	628	599	-4.6%	4.2%
United Kingdom	954	848	901	707	725	839	822	835	1.6%	-1.0%
Ukraine	155	5	16	25	31	10	0	0		

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Imports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia										
Russia	0	44	0	0	0	0	0	0		
Azerbaijan	0	0	0	0	0	13	41	38	-6.1%	
Georgia	0	3	0	0	0	0	0	0		
Kazakhstan	120	1	1	0	0	0	0	0		
Kyrgyzstan	0	4	3	0	0	0	0	0		
Tajikistan	0	0	0	0	0	0	0	0		
Turkmenistan	0	0	0	0	0	0	0	0		
Uzbekistan	0	4	13	12	13	16	20	19	-4.9%	
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East										
Bahrain	234	215	222	176	180	212	208	148	-28.6%	-3.2%
Iran	13	0	0	0	0	0	0	0		
Israel	221	234	246	222	234	245	224	223	-0.3%	0.1%
Jordan	70	70	46	41	35	41	40	40	0.0%	-3.9%
Saudi Arabia	0	0	0	0	0	0	42	136	227.2%	
Syria	0	110	95	91	86	82	77	74	-4.4%	
United Arab Emirates	0	38	53	163	187	187	257	265	3.3%	
Yemen	0	0	0	0	0	0	0	0		

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Imports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa										
Algeria	6	6	3	0	0	0	0	1		-13.4%
Angola	0	0	0	0	0	0	0	3		
Cameroon	34	28	6	0	0	0	0	0		
Egypt	49	65	109	229	191	145	73	31	-56.9%	-3.1%
Ghana	32	6	17	14	1	1	9	0		
Côte d'Ivoire	59	62	59	51	67	59	73	73	0.0%	1.5%
Kenya	31	0	0	0	0	0	0	0		
Morocco	113	54	0	0	0	0	0	0		
Nigeria	0	0	0	0	0	0	0	41		
Senegal	13	22	20	15	18	9	23	23	0.0%	4.1%
South Africa	385	393	364	264	153	123	145	164	12.6%	-5.9%
Sudan	0	9	29	27	10	27	27	0		
Tunisia	4	18	3	16	25	19	16	16	2.4%	11.0%
Zambia	12	13	14	4	1	0	2	0		

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Imports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific										
Afghanistan	0	2	2	1	3	2	2	2	0.0%	
Australia	469	315	325	236	205	168	152	151	-0.5%	-7.8%
Bangladesh	25	22	27	23	29	27	29	28	-3.1%	0.7%
Brunei	0	0	29	125	127	130	109	133	22.1%	
China	4,754	6,710	10,114	10,840	10,258	10,165	11,280	11,068	-1.9%	6.2%
India	3,267	4,057	4,539	3,929	4,240	4,655	4,686	4,828	3.0%	2.8%
Indonesia	284	369	202	244	319	282	339	328	-3.2%	1.0%
Japan	3,437	3,203	2,954	2,410	2,456	2,702	2,522	2,310	-8.4%	-2.8%
Malaysia	181	162	203	137	129	213	286	300	5.0%	3.7%
New Zealand	98	102	103	78	68	17	0	0		
North Korea	11	11	11	11	11	11	11	11	0.0%	0.1%
Pakistan	133	119	134	176	186	156	167	183	9.5%	2.3%
Papua New Guinea	20	12	26	28	25	26	27	25	-6.6%	1.8%
Philippines	182	213	166	90	81	118	130	117	-9.7%	-3.1%
Singapore	878	952	1,037	896	917	933	899	946	5.2%	0.5%
Sri-Lanka	36	34	37	33	23	12	32	32	0.0%	-1.0%
South Korea	2,355	2,755	2,901	2,635	2,589	2,733	2,711	2,734	0.8%	1.1%
Taiwan	1,017	976	1,031	858	885	944	937	901	-3.8%	-0.9%
Thailand	815	890	872	878	890	947	991	1,008	1.7%	1.5%
Vietnam	10	4	156	235	201	204	219	262	19.7%	26.4%

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Imports

Countries^(*)

Crude and non conventional oil
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas										
Argentina	0	17	0	0	0	0	0	0		
Brazil	344	305	176	172	142	249	230	224	-2.6%	-3.0%
Canada	770	570	922	720	703	742	756	743	-1.8%	-0.3%
Chile	158	169	183	146	163	145	177	178	0.8%	0.9%
Colombia	0	0	0	1	6	8	16	18	11.4%	
Costa Rica	10	0	0	0	0	0	0	0		
Cuba	101	88	48	36	46	47	44	9	-78.5%	-15.5%
Curaçao	85	185	0	0	0	0	0	0		
Dominican Republic	27	16	25	10	26	24	26	18	-32.2%	-3.1%
El Salvador	16	0	0	0	0	0	0	0		
Guatemala	0	0	0	0	0	0	0	0		
Jamaica	27	28	28	23	24	21	17	17	0.0%	-3.3%
Mexico	0	0	0	0	0	0	0	0		
Nicaragua	16	15	11	11	14	17	17	17	0.0%	0.5%
Paraguay	0	0	0	0	0	0	0	0		
Peru	95	84	105	41	56	55	77	96	24.5%	0.0%
Suriname	0	1	0	0	0	0	0	0		
Trinidad and Tobago	70	81	0	0	0	0	0	0		
United States	9,213	7,363	6,801	5,875	6,114	6,281	6,489	6,588	1.5%	-2.4%
Uruguay	39	40	40	39	40	41	26	24	-9.4%	-3.4%
Venezuela	9	33	4	6	6	71	40	8	-79.2%	-0.3%

^(*) Data source: Eni's estimates on Enerdata *Global Energy Market & CO₂ Data*, IEA (2025) *Monthly Oil Data Services* and other official data sources. All rights reserved.

Crude Future Prices^(*)

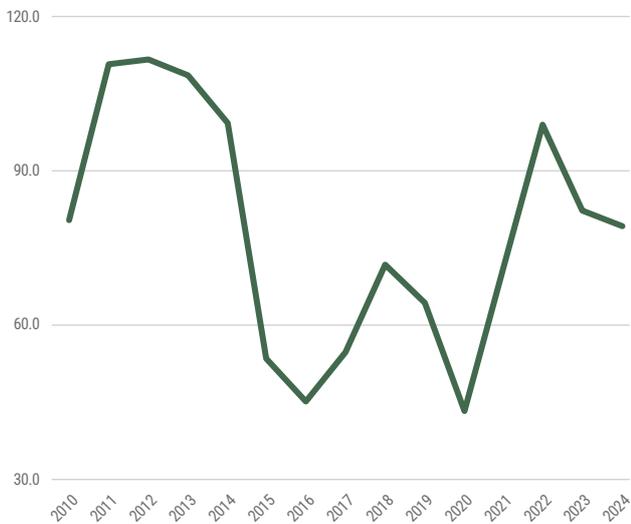
Crude Future Prices

(US\$/barrel)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
ICE Brent	80.3	53.6	64.2	43.2	70.9	99.0	82.2	79.9	-2.8%	0.0%
CME WTI	79.6	48.8	57.0	39.3	68.1	94.3	77.6	75.8	-2.4%	-0.4%

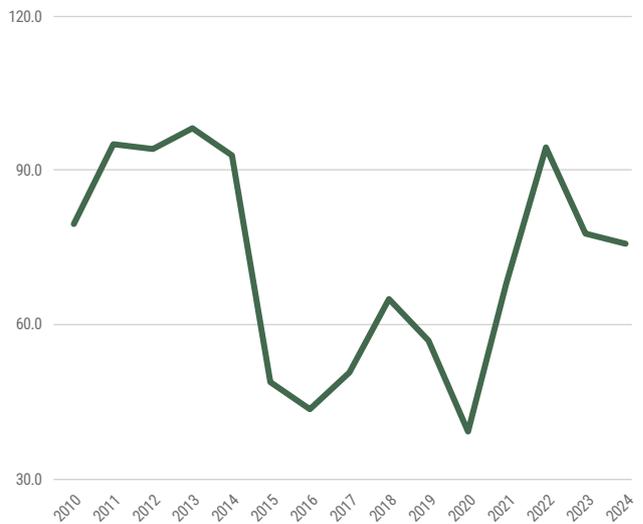
ICE Brent Price 1 Month^(*)

(US\$/barrel)



CME WTI Price

(US\$/barrel)



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

Oil Production Quality

WORLD

Crude Production by Quality
Crude Production by Gravity
Crude Production by Sulphur Content
Quality and Production Volume of Main Crudes

EUROPE

Crude Production by Quality
Quality and Production Volume of Main Crudes
Countries

RUSSIA AND CENTRAL ASIA

Crude Production by Quality
Quality and Production Volume of Main Crudes
Countries

MIDDLE EAST

Crude Production by Quality
Quality and Production Volume of Main Crudes
Countries

AFRICA

Crude Production by Quality
Quality and Production Volume of Main Crudes
Countries

ASIA - PACIFIC

Crude Production by Quality
Quality and Production Volume of Main Crudes
Countries

AMERICAS

Crude Production by Quality
Quality and Production Volume of Main Crudes
Countries

World

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

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
World (A)	74,572	81,153	83,000	76,729	77,677	81,119	82,449	82,406		
Ultra Light	2,664	2,878	2,924	2,883	2,911	2,977	3,084	3,103	3.6%	3.8%
Light & Sweet	13,911	15,996	19,162	17,206	17,569	17,809	18,637	18,953	18.7%	23.0%
Light & Medium Sour	3,686	3,806	4,237	3,913	3,807	4,124	4,145	4,040	4.9%	4.9%
Light & Sour	2,293	2,692	3,017	2,907	2,929	3,043	2,823	2,712	3.1%	3.3%
Medium & Sweet	8,541	8,746	8,770	8,786	8,884	8,972	9,386	9,608	11.5%	11.7%
Medium & Medium Sour	2,748	3,131	4,223	4,485	4,698	4,763	5,249	5,456	3.7%	6.6%
Medium & Sour	30,094	32,010	28,917	25,835	26,223	28,391	27,783	27,021	40.4%	32.8%
Heavy & Sweet	1,394	1,260	1,196	1,154	1,129	1,177	1,157	1,101	1.9%	1.3%
Heavy & Medium Sour	2,533	2,329	1,647	1,565	1,566	1,680	1,847	1,783	3.4%	2.2%
Heavy & Sour	6,032	7,635	8,331	7,452	7,424	7,694	7,864	8,062	8.1%	9.8%
Unassigned production: (B)	676	668	577	544	537	490	474	567	0.9%	0.7%
% Unassigned production (B/A)	0,9	0,8	0,7	0,7	0,7	0,6	0,6	0,7		

Crude Production by Gravity^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
World	74,572	81,153	83,000	76,729	77,677	81,119	82,449	82,406		
Light	22,554	25,373	29,339	26,909	27,216	27,952	28,689	28,809	30.2%	35.0%
Medium	41,383	43,887	41,910	39,105	39,806	42,126	42,417	42,085	55.5%	51.1%
Heavy	9,959	11,225	11,174	10,171	10,118	10,550	10,869	10,945	13.4%	13.3%
Unassigned production	676	668	577	544	537	490	474	567	0.9%	0.7%

Crude Production by Sulphur Content^(*)

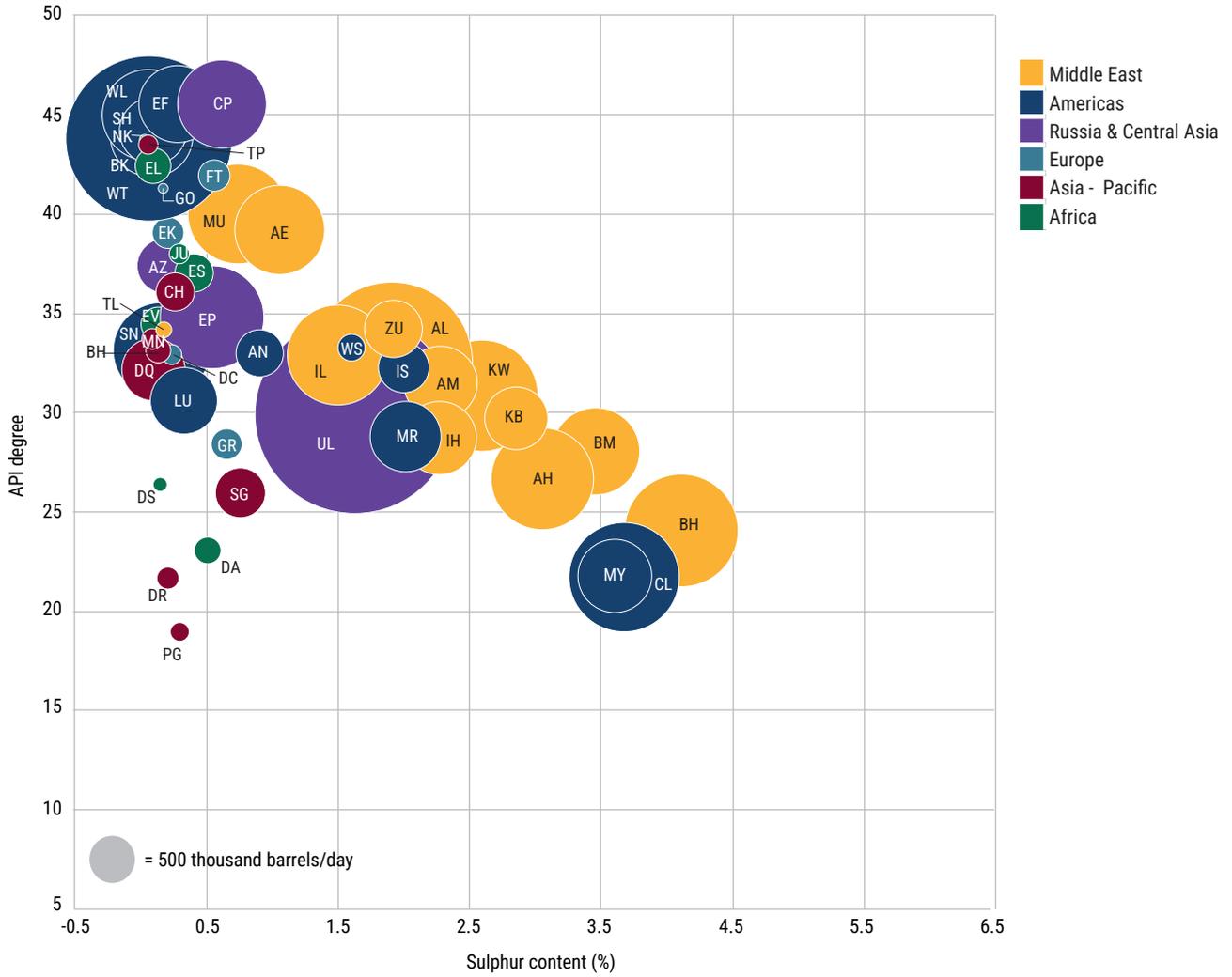
(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
World	74,572	81,153	83,000	76,729	77,677	81,119	82,449	82,406		
Sweet	26,510	28,881	32,052	30,029	30,493	30,935	32,264	32,765	35.5%	39.8%
Medium Sour	8,967	9,267	10,107	9,963	10,071	10,567	11,241	11,279	12.0%	13.7%
Sour	38,419	42,337	40,265	36,193	36,576	39,127	38,471	37,795	51.5%	45.9%
Unassigned production	676	668	577	544	537	490	474	567	0.9%	0.7%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All right reserved.

World

Quality and Production Volume of Main 2024 Crudes^(*)
(thousand barrels/day)



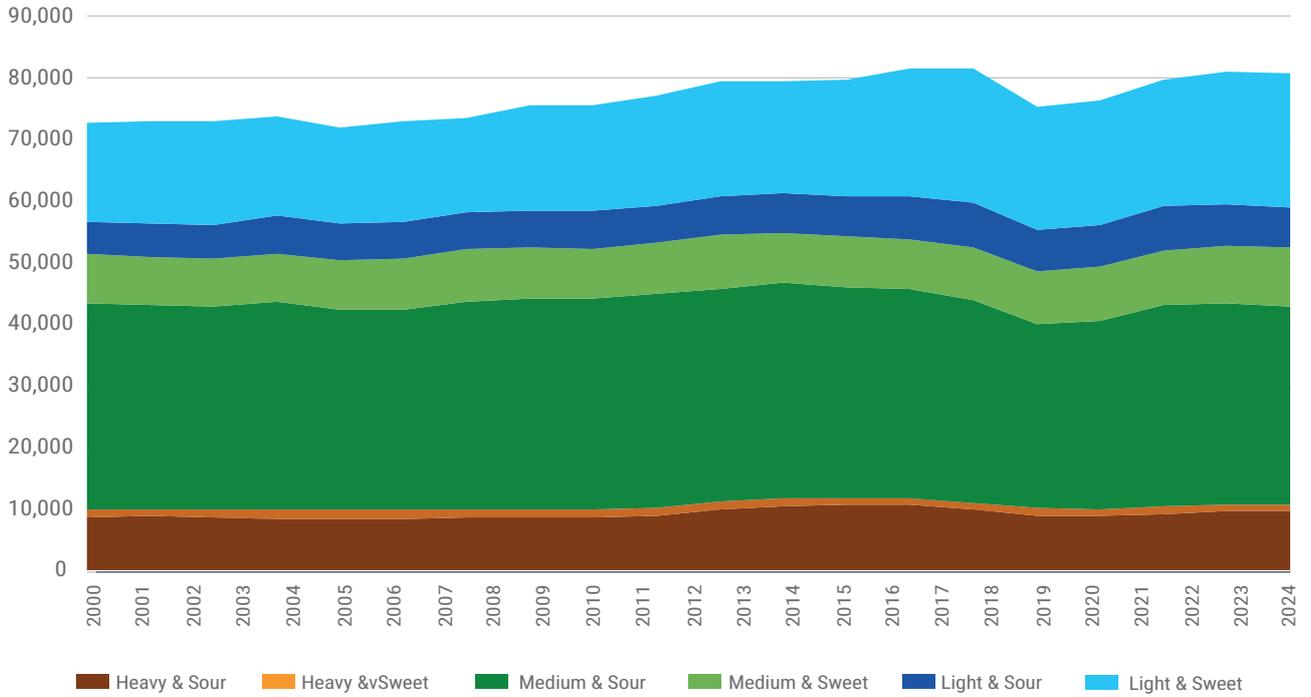
AC Algerian C.te (Algeria)	CL Cold Lake (Canada)	GO Goliat (Norway)	PG Peng Lai (China)
AE Arab Extra L. (Saudi Arabia)	CP CPC Blend (Kazakh-Russia)	GR Grane (Norway)	SG Shengli (China)
AH Arab Heavy (Saudi Arabia)	DA Dalia (Angola)	IH Iran Heavy (Iran)	SH Saharan B. (Algeria)
AL Arab Light (Saudi Arabia)	DC DUC Blend (Denmark)	IL Iran Light (Iran)	SN Syncrude (Canada)
AM Arab Medium (Saudi Arabia)	DQ Daqing (China)	IS Isthmus (Mexico)	TL Troll (Norway)
AN Alaskan Nth. Sl. (U.S.A.)	DR Duri (Indonesia)	JU Jubilee (Ghana)	TP Tapis (Malaysia)
AZ Azeri Light (Azerbaijan)	DS Dar Blend (Sudan)	KB Kirkuk Blend (Iraq)	UL Urals (Russia)
BH Bach Ho (Vietnam)	EF Eagle Ford (U.S.A.)	KW Kuwait (Kuwait)	WL West Texas Light (U.S.A.)
BH Basrah Heavy (Iraq)	EK Ekofisk (U.K., Norway)	LU Lula (Brazil)	WS West Texas Sour (U.S.A.)
BK Bakken Blend (U.S.A.)	EL El Sharara (Libya)	MN Minas (Indonesia)	WT West Texas Int. (U.S.A.)
BL Basrah Light (Iraq)	EP Espo (Russia)	MR Mars (U.S.A.)	ZU Upper Zakum (U.A.E.)
BM Basrah Medium (Iraq)	ES Es Sider (Libya)	MU Murban (U.A.E.)	
CB Cabinda (Angola)	EV Escravos (Nigeria)	MY Maya (Mexico)	
CH Changqing (China)	FT Forties (U.K.)	NK N'Kossa (Congo)	

^(*) Data source: Eni.

World

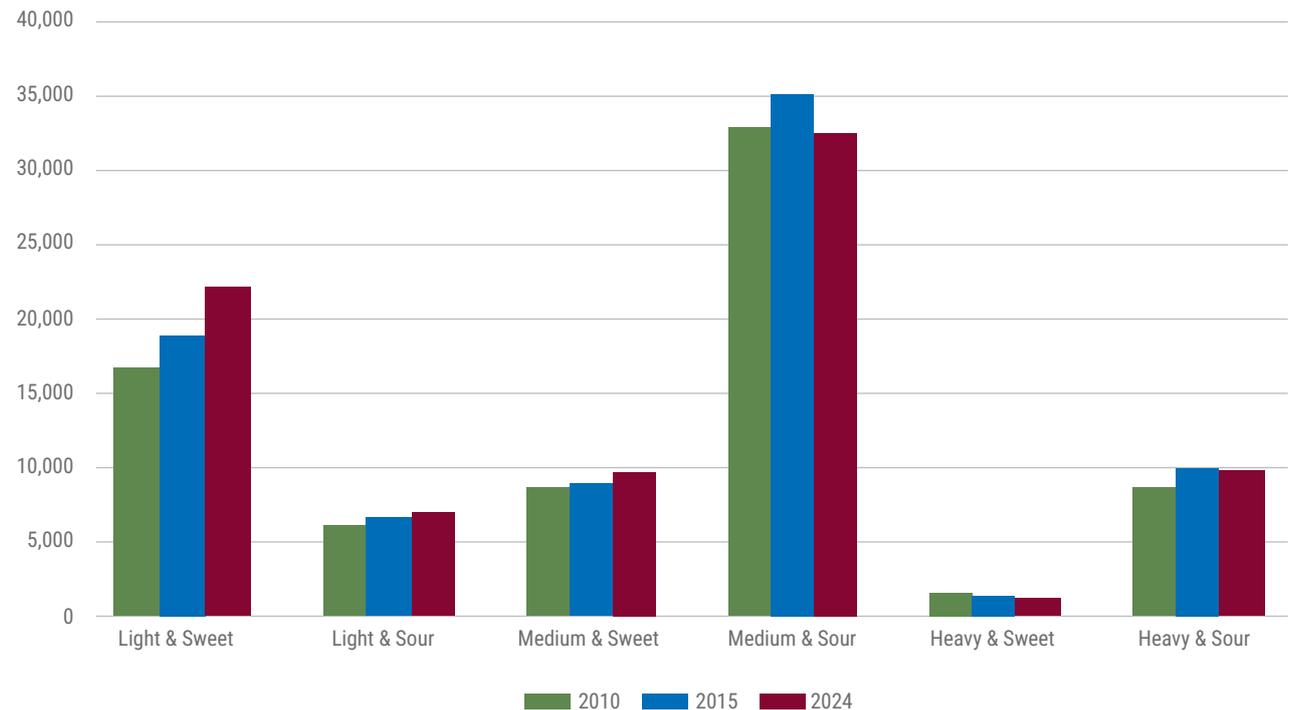
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Europe

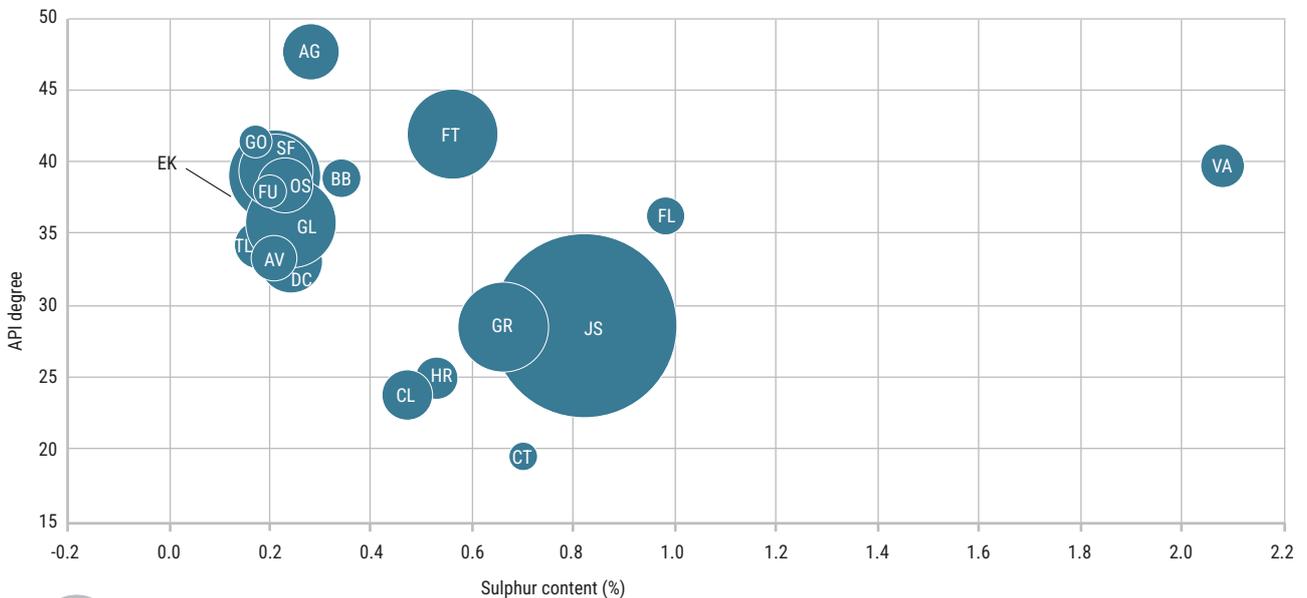
Crude Production by Quality^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Europe (A)	3,776	3,082	2,972	3,171	3,053	2,874	2,877	2,842		
Ultra Light	72	43	29	22	12	19	20	22	1.9%	0.8%
Light & Sweet	1,671	1,389	1,130	1,122	1,089	1,015	1,036	989	44.3%	34.8%
Light & Medium Sour	647	514	522	467	367	340	222	200	17.1%	7.0%
Light & Sour	68	77	63	58	52	48	41	41	1.8%	1.4%
Medium & Sweet	553	435	338	282	249	215	163	177	14.6%	6.2%
Medium & Medium Sour	86	79	394	717	792	776	947	958	2.3%	33.7%
Medium & Sour	29	15	0	0	0	0	0	0	0.8%	0.0%
Heavy & Sweet	85	39	158	150	140	142	126	107	2.3%	3.8%
Heavy & Medium Sour	275	200	80	75	75	69	65	67	7.3%	2.4%
Heavy & Sour	56	40	29	55	54	40	43	48	1.5%	1.7%
Unassigned production: (B)	233	253	229	223	224	211	215	233	6.2%	8.2%
% Unassigned production (B/A)	6.2	8.2	7.7	7.0	7.3	7.3	7.5	8.2		

Quality and Production Volume of Main Crudes 2024^(**)

(thousand barrels/day)



 = 50 thousand barrels/day

AG Asgard (Norway)

AV Alvheim blend (Norway)

BB Brent Blend (U.K.)

CL Clair (U.K.)

CT Captain (U.K.)

DC DUC Blend (Denmark)

EK Ekofisk (U.K., Norway)

FL Flotta (U.K.)

FT Forties (U.K.)

FU Fulmar (U.K.)

GO Goliat (Norway)

GL Gullfaks (Norway)

GR Grane (Norway)

HR Heidrun (Norway)

JS J. Sverdrup (Norway)

OS Oseberg (Norway)

SF Statfjord (U.K., Norway)

TL Troll (Norway)

VA Val d'Agri Blend (Italy)

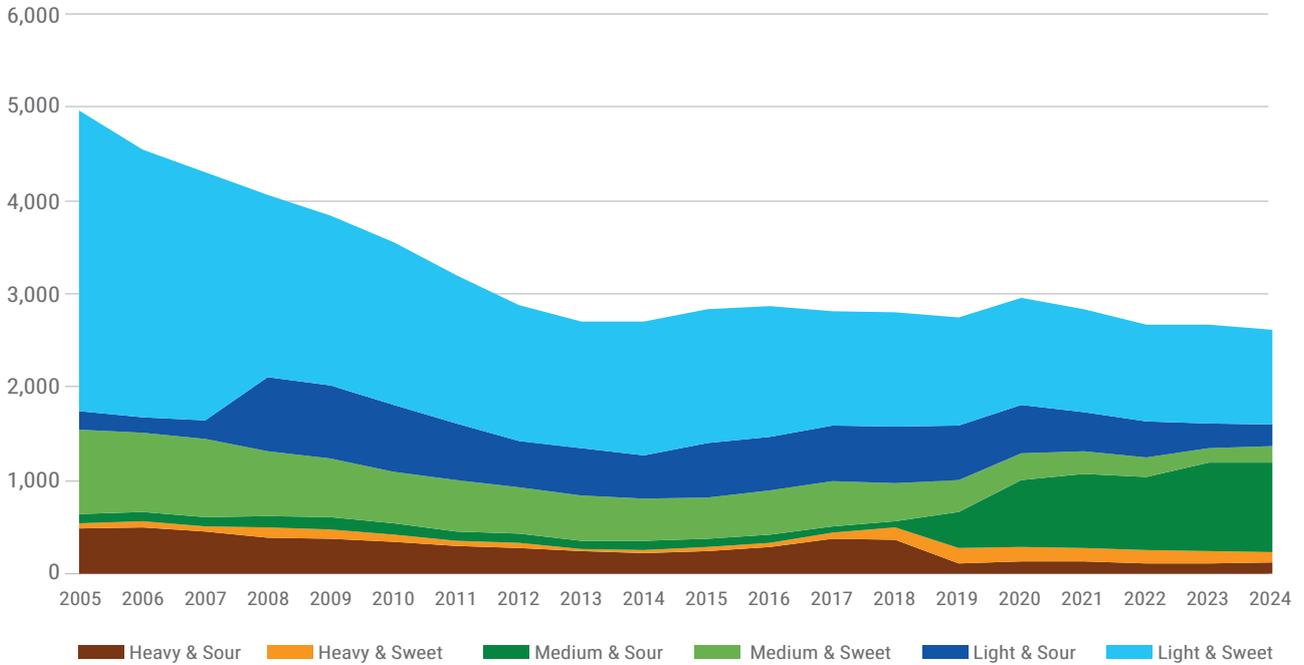
^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

^(**) Data source: Eni.

Europe

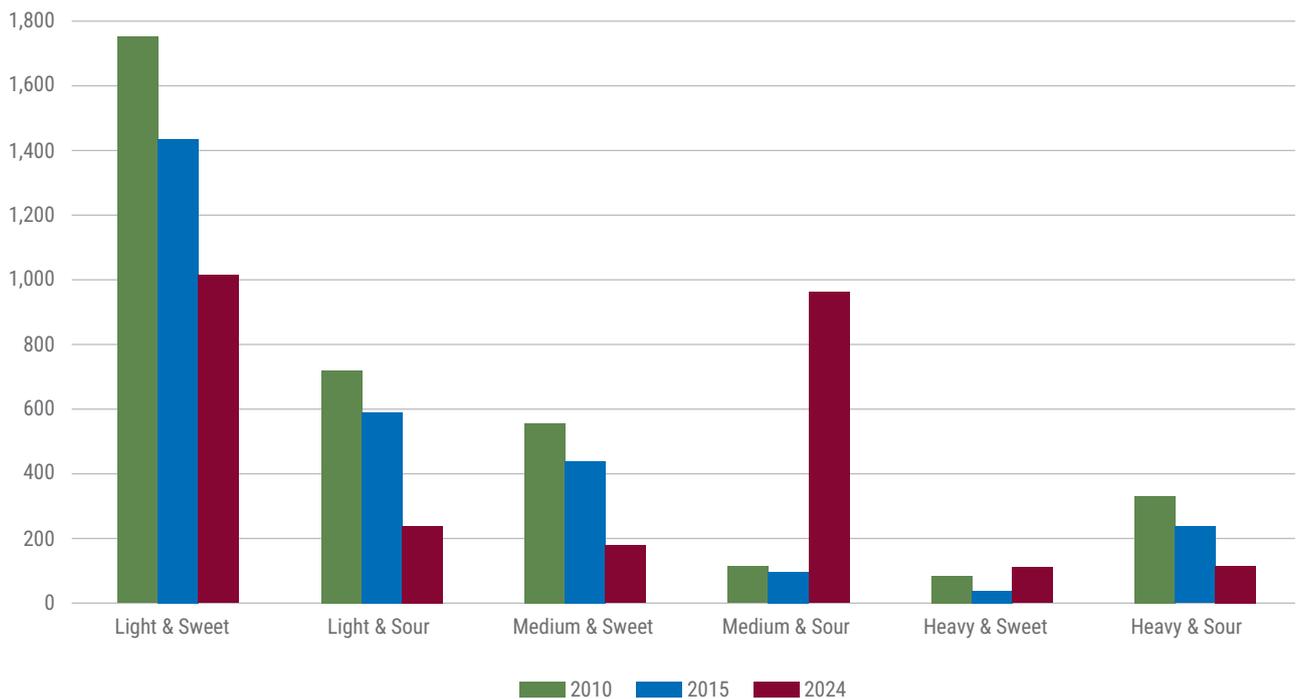
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Europe

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Denmark	255	146	94	71	66	65	63	75		
Light & Sweet	24	8	4	3	3	2	2	2	9.4%	2.7%
Medium & Sweet	231	138	90	68	63	63	61	73	90.6%	97.3%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Italy	96	100	78	100	96	83	81	85		
Light & Sweet	6	1	0	0	0	0	0	0	6.4%	
Light & Sour	68	77	63	58	52	48	41	41	71.3%	48.3%
Heavy & Sour	21	23	14	42	44	35	40	44	22.3%	51.7%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Norway	1,871	1,610	1,460	1,743	1,795	1,709	1,815	1,790		
Ultra Light	72	43	29	22	12	19	20	22	3.8%	1.2%
Light & Sweet	1,243	1,110	816	818	820	778	764	725	66.4%	40.5%
Light & Medium Sour	31	14	5	5	3	3	2	2	1.7%	0.1%
Medium & Sweet	275	266	234	201	178	148	99	101	14.7%	5.6%
Medium & Medium Sour			324	649	726	714	888	903		50.4%
Medium & Sour	29	15							1.6%	
Heavy & Medium Sour	221	163	52	49	55	47	42	38	11.8%	2.1%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Romania	86	79	70	68	66	62	59	55		
Medium & Medium Sour	86	79	70	68	66	62	59	55	100.0%	100.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
United Kingdom	1,235	894	1,041	965	807	744	645	603		
Light & Sweet	398	270	309	301	265	234	270	262	32.2%	43.4%
Light & Medium Sour	616	500	517	462	364	337	220	198	49.9%	32.8%
Medium & Sweet	47	31	14	13	8	4	3	3	3.8%	0.5%
Heavy & Sweet	85	39	158	150	140	142	126	107	6.9%	17.7%
Heavy & Medium Sour	54	37	28	26	20	22	23	29	4.4%	4.8%
Heavy & Sour	35	17	15	13	10	5	3	4	2.8%	0.7%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Russia and Central Asia

Crude Production by Quality^(*)

(thousand barrels/day)

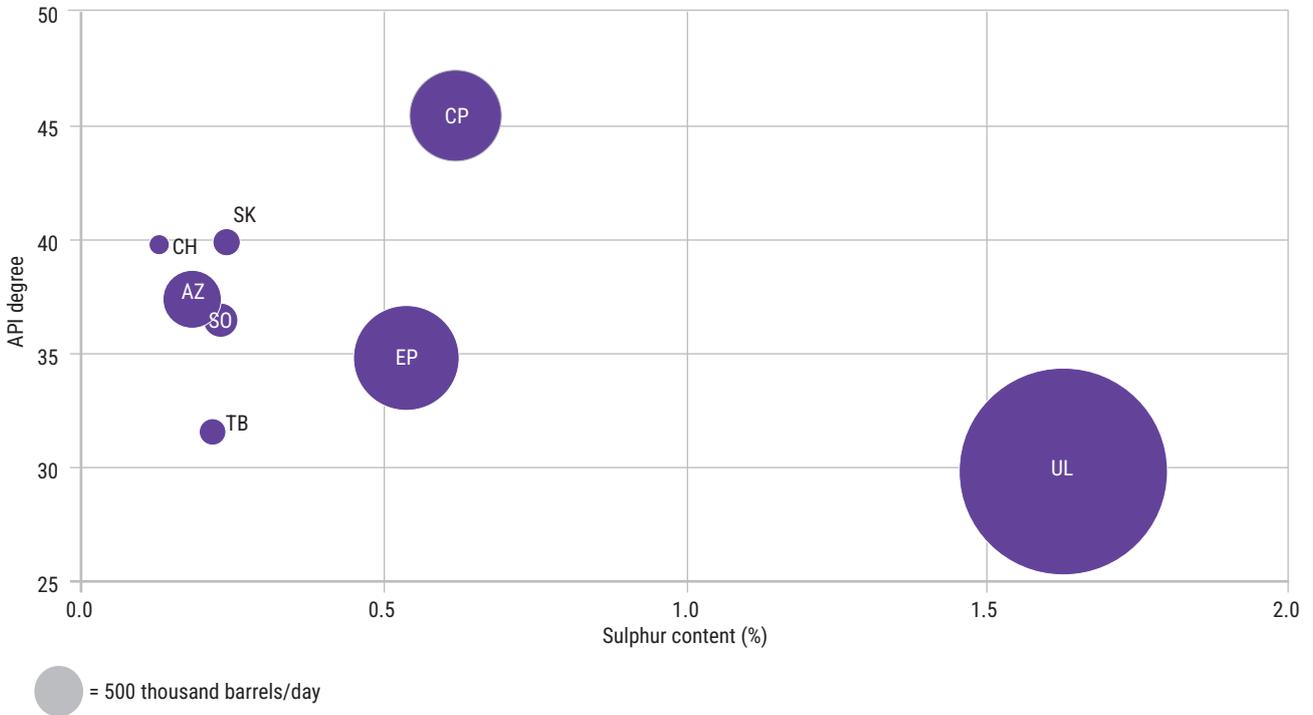
	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Russia and Central Asia (A)	13,248	13,654	14,295	13,143	13,404	13,523	13,440	13,096		
Ultra Light	678	1,023	1,157	1,199	1,240	1,315	1,389	1,395	5.1%	10.6%
Light & Sweet	1,503	1,192	1,168	1,085	1,056	855	932	919	11.3%	7.0%
Light & Medium Sour	1,352	1,438	1,746	1,626	1,661	1,616	1,735	1,682	10.2%	12.8%
Light & Sour	33	11	9	8	8	7	7		0.2%	
Medium & Sweet	265	172	150	152	153	156	148	141	2.0%	1.1%
Medium & Medium Sour	399	1,006	1,548	1,534	1,805	1,857	1,920	1,944	3.0%	14.8%
Medium & Sour	8,930	8,740	8,442	7,464	7,408	7,670	7,271	6,980	67.4%	53.3%
Unassigned production (B)	88,3	72,1	74,1	73,6	73,4	45,1	36,5	34,2	0.7%	0.3%
% Unassigned production (B/A)	1	1	1	1	1	0	0	0		

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Russia and Central Asia

Quality and Production Volume of Main Crudes 2024^(*)

(thousand barrels/day)



- AZ Azeri Light (Azerbaijan)
- CH Cheleken (Turkmenistan)
- CP CPC Blend (Kazakh-Russia)
- EP Espo (Russia)

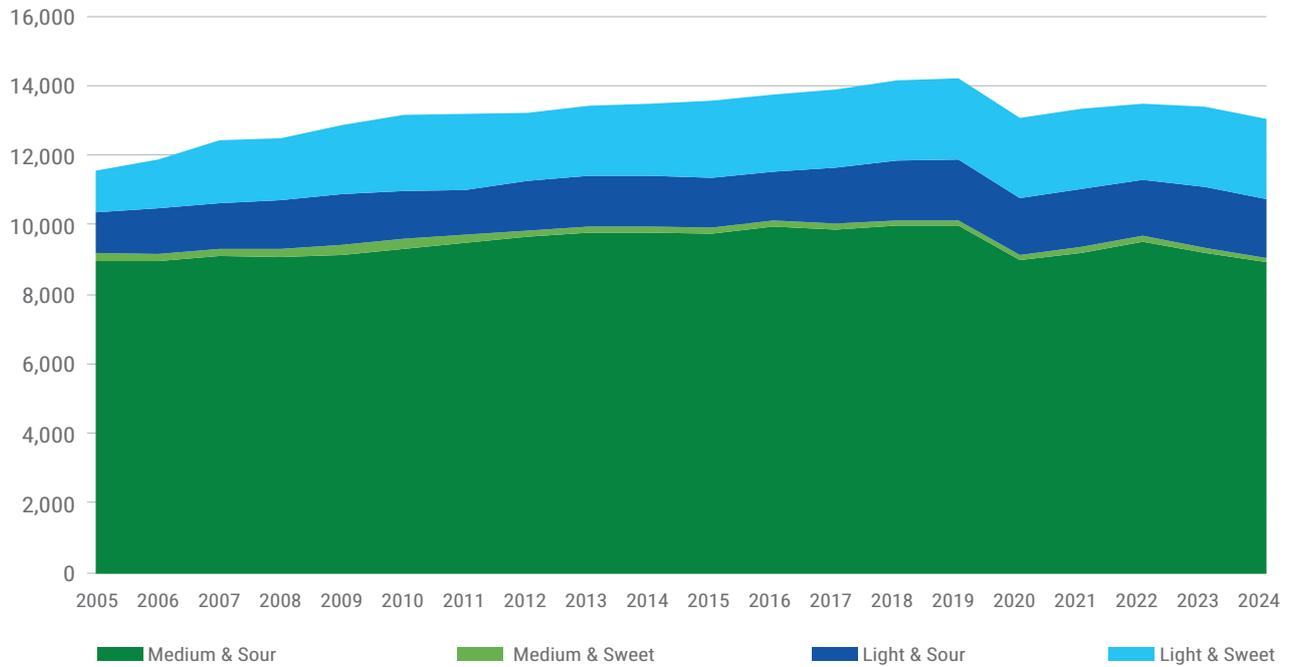
- SK Sakhalin Blend (Russia)
- SO Sokol (Russia)
- TB Turkmenistan Blend (Turkmenistan)
- UL Urals (Russia)

^(*) Data source: Eni.

Russia and Central Asia

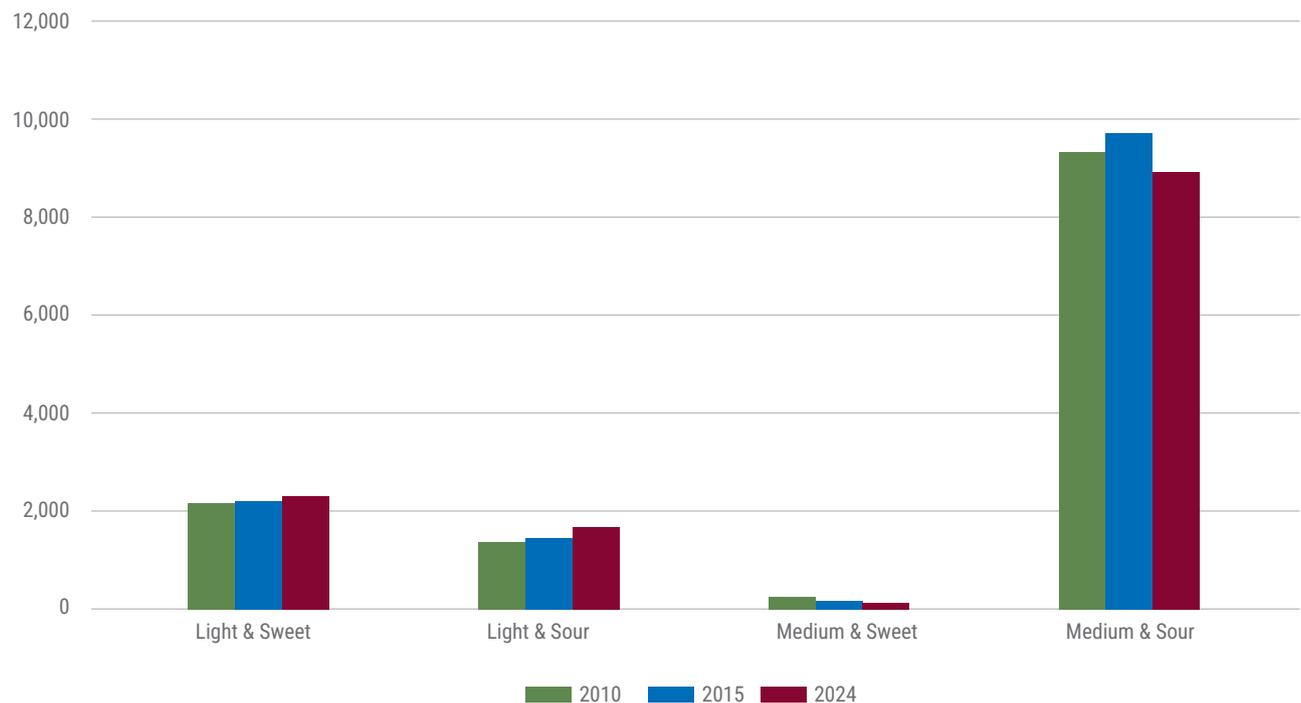
Crude Production by Quality(*)

(thousand barrels/day)



Crude Production by Quality(*)

(selected years, thousand barrels/day)



(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Middle East

Crude Production by Quality^(*)

(thousand barrels/day)

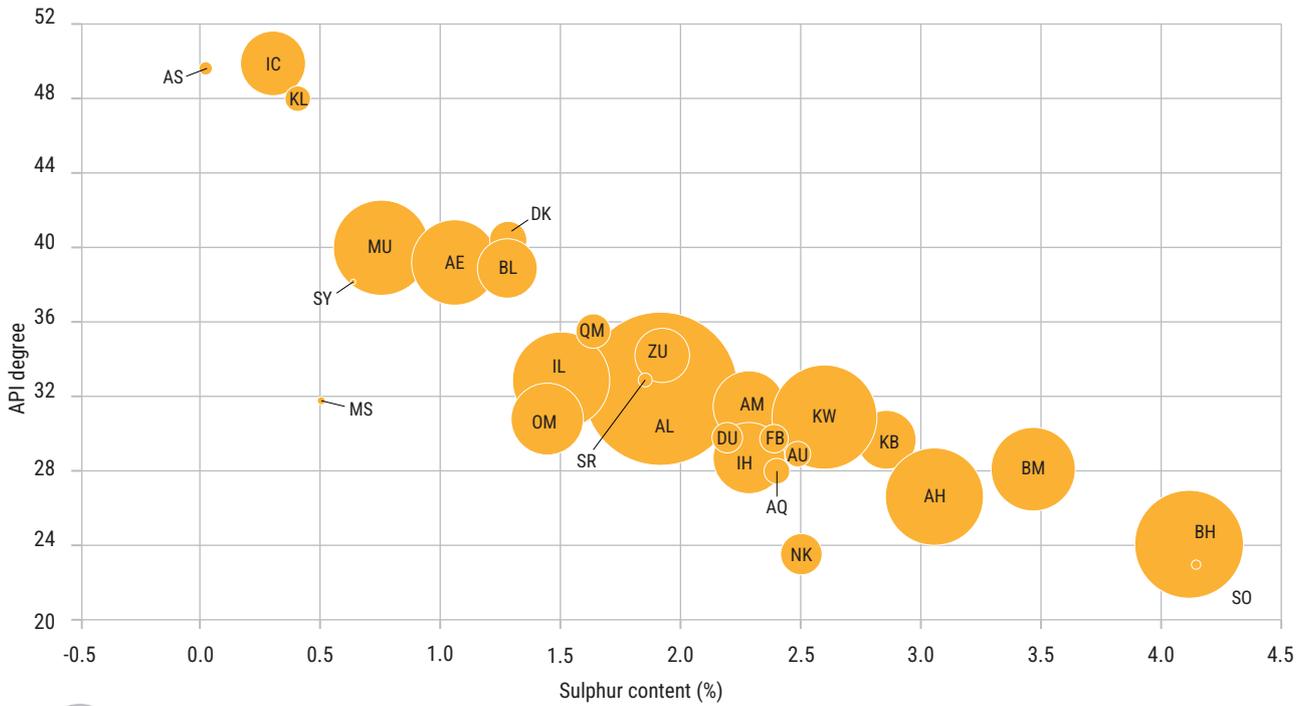
	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Middle East	22,146	25,800	26,064	23,809	24,116	26,707	26,131	25,856		
Ultra Light	559	705	636	671	689	686	691	696	2.5%	2.7%
Light & Sweet	465	576	857	918	962	1,068	1,018	999	2.1%	3.9%
Light & Medium Sour	1,353	1,566	1,733	1,542	1,440	1,680	1,672	1,674	6.1%	6.5%
Light & Sour	2,124	2,548	2,929	2,828	2,850	2,973	2,761	2,658	9.6%	10.3%
Medium & Sweet										
Medium & Medium Sour	171	24	63	54	47	38	18	16	0.8%	0.1%
Medium & Sour	17,015	18,970	17,071	15,283	15,699	17,632	17,125	16,897	76.8%	65.4%
Heavy & Sweet										
Heavy & Medium Sour										
Heavy & Sour	460	1,412	2,775	2,513	2,430	2,629	2,845	2,915	2.1%	11.3%
Unassigned production (B)	0	0	0	0	0	0	0	0	0.0%	0.0%
% Unassigned production (B/A)	0	0	0	0	0	0	0	0		0.0%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Middle East

Quality and Production Volume of Main Crudes 2024^(*)

(thousand barrels/day)



 = 1,000 thousand barrels/day

- AU Abu Safah (Bahrain)
- AE Arab Extra Light (Saudi Arabia)
- AH Arab Heavy (Saudi Arabia)
- AL Arab Light (Saudi Arabia)
- AM Arab Medium (Saudi Arabia)
- AQ Al Shaheen (Qatar)
- AS Arab Super Light (Saudi Arabia)
- BM Basrah Medium (Iraq)
- BL Basrah Light (Iraq)
- BH Basrah Heavy (Iraq)

- DU Dubai (U.A.E.)
- DB Bs Blend (U.A.E.)
- DK Dukham (Qatar)
- FB Foroozan Blend (Iran)
- IC Iran C.te (Iran)
- IH Iran Heavy (Iran)
- IL Iran Light (Iran)
- KB Kirkuk Blend (Iraq)
- KW Kuwait (Kuwait)
- KL Kuwait Super Light (Kuwait)

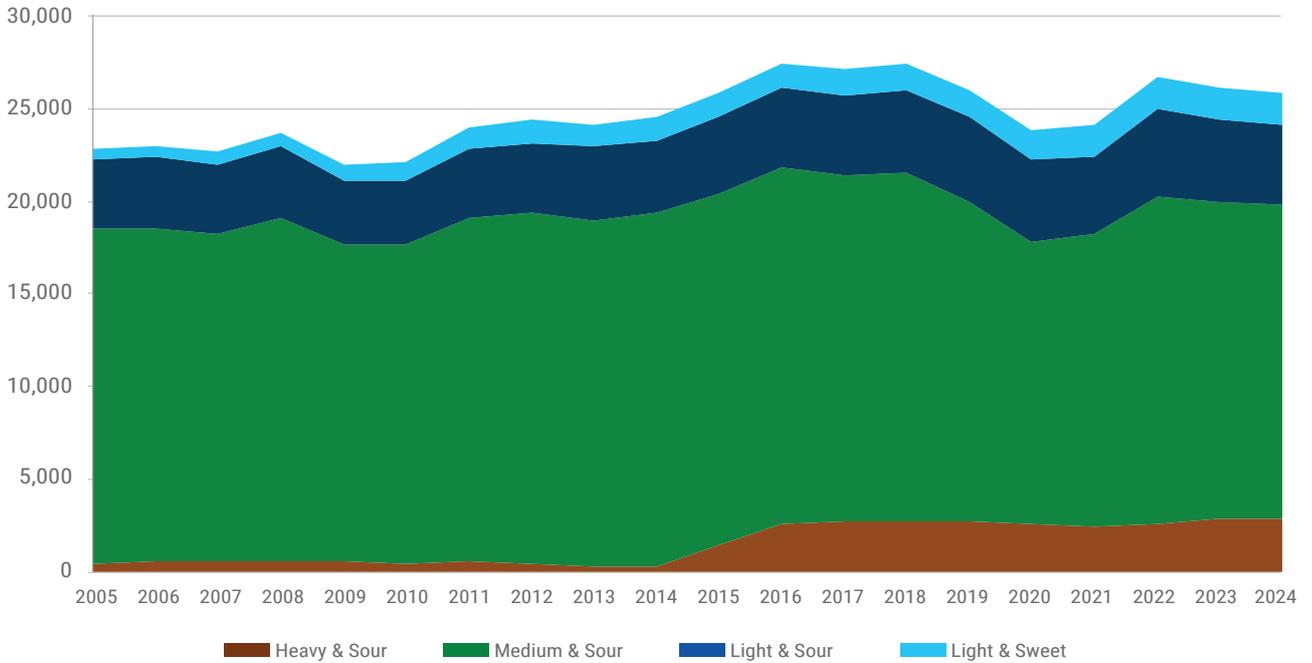
- MS Masila (Yemen)
- MU Murban (U.A.E.)
- NK New West Karun (Iran)
- OM Oman (Oman)
- QC Qatar Condensate (Qatar)
- QM Qatar Marine (Qatar)
- SY Syrian Light (Syria)
- SO Souedieh (Syria)
- SR Sirri (Iran)
- ZU Upper Zakum (U.A.E.)

^(*) Data source: Eni.

Middle East

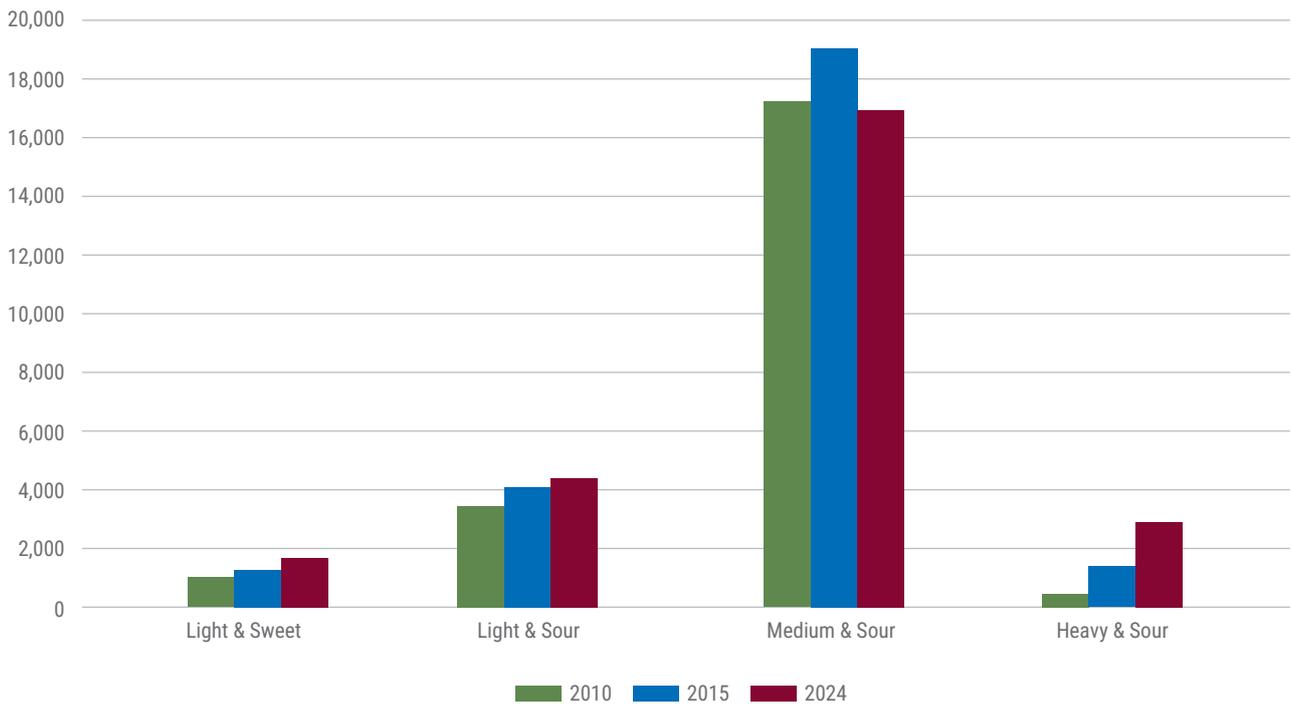
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Middle East

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Saudi Arabia	8,177	10,160	9,943	9,232	9,225	10,334	9,573	9,083		
Light & Sweet	37	99	99	71	60	81	58	43	0.5%	0.5%
Light & Sour	986	1,306	1,582	1,464	1,500	1,589	1,477	1,377	12.1%	15.2%
Medium & Sour	7,046	8,719	8,262	7,650	7,606	8,609	7,935	7,525	86.2%	82.9%
Heavy & Sour	108	35		47	60	55	102	137	1.3%	1.5%
Syria	350	19	24	33	33	33	30	25		
Light & Medium Sour	185	14	12	11	11	10	10	8	52.9%	31.6%
Heavy & Sour	165	5	12	22	22	22	20	17	47.1%	68.4%
United Arab Emirates	2,311	2,946	3,217	2,905	2,759	3,299	3,254	3,235		
Light & Medium Sour	1,168	1,552	1,721	1,530	1,429	1,670	1,662	1,666	50.5%	51.5%
Light & Sour	511	689	814	830	815	851	773	759	22.1%	23.5%
Medium & Sour	632	705	682	545	516	778	819	810	27.3%	25.0%
Yemen	284	28	67	60	55	46	22	19		
Light & Sweet	113	5	4	7	8	8	4	3	39.9%	15.7%
Medium & Medium Sour	171	24	63	54	47	38	18	16	60.1%	84.3%

^(*)Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Africa

Crude Production by Quality^(*)

(thousand barrels/day)

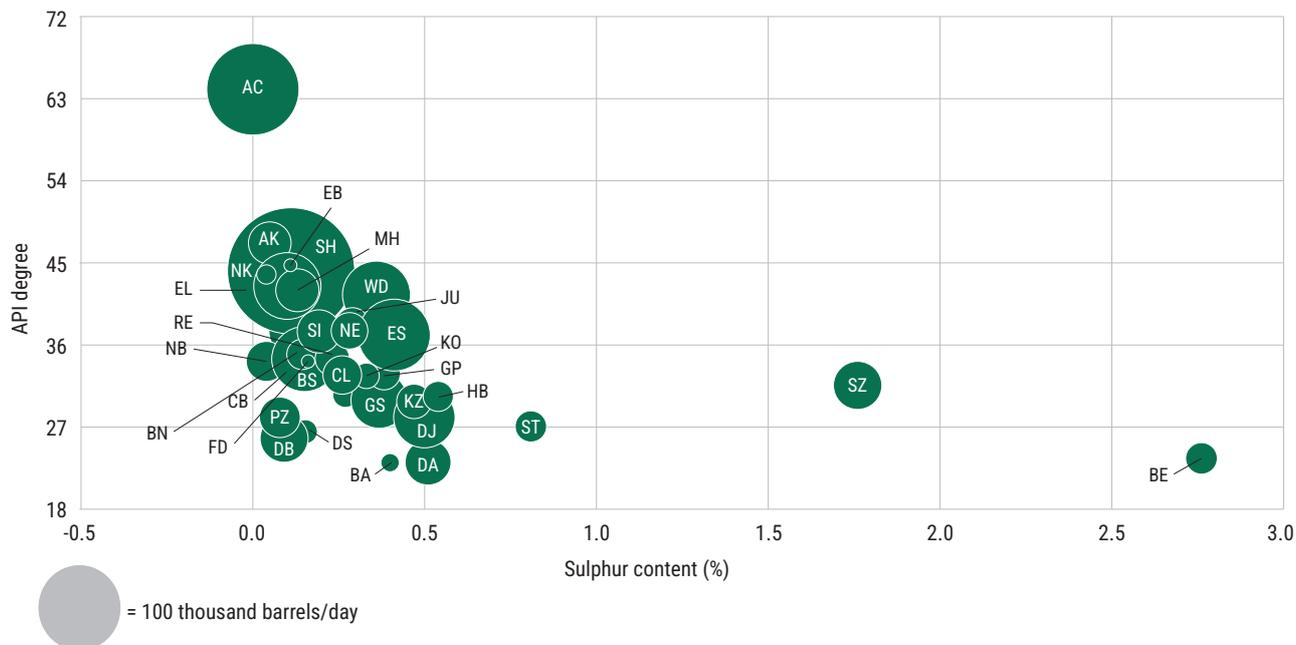
	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Africa (A)	9,923	8,105	8,178	6,819	7,128	6,868	7,057	6,968		
Ultra Light	569	559	519	496	484	487	486	478	5.7%	6.9%
Light & Sweet	5,093	3,568	4,017	2,944	3,518	3,377	3,544	3,481	51.3%	49.9%
Light & Medium Sour	14	12	26	9	23	19	20	17	0.1%	0.2%
Light & Sour	33	24	16	13	19	15	15	13	0.3%	0.2%
Medium & Sweet	2,632	2,257	2,067	1,898	1,717	1,623	1,703	1,628	26.5%	23.4%
Medium & Medium Sour	177	301	621	604	527	510	490	465	1.8%	6.7%
Medium & Sour	529	556	399	391	393	396	386	375	5.3%	5.4%
Heavy & Sweet	415	495	276	244	240	253	245	245	4.2%	3.5%
Heavy & Medium Sour	317	219	149	135	126	115	98	114	3.2%	1.6%
Heavy & Sour	131	92	69	69	67	61	59	57	1.3%	0.8%
Unassigned production (B)	13	23	18	16	13	12	13	97	0.1%	1.4%
% unassigned production (B/A)	0.1	0.3	0.2	0.2	0.2	0.2	0.2	1.4		

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Africa

Quality and Production Volume of Main Crudes 2024^(*)

(thousand barrels/day)



AC Algerian Condensate (Algeria)

AK Agbami-Ekoli (Nigeria)

BA Baobab (Ivory Coast)

BE Belayim Blend (Egypt)

BN Bonny Light (Nigeria)

BS Nigerian Brass River (Nigeria)

CB Cabinda (Angola)

DA Dalia Camelia (Angola)

DB Doba Blend (Chad)

DJ Djeno (Congo)

DS Dar Blend (Sudan)

EB El Borma (Tunisia)

EL El Sharara (Libya)

ES Es Sider (Libya)

EV Escravos (Nigeria)

FD Forcados (Nigeria)

GP Greater Plutonio (Angola)

GS Girassol (Angola)

HB Hungo Blend (Angola)

JU Jubilee (Ghana)

KO Kole Blend (Cameroon)

KZ Kissanje Blend (Angola)

MH Mellitah (Libya)

NE Nemba (Nigeria)

NB Nile Blend (Sudan)

NK N'Kossa (Congo)

PZ Pazflor (Angola)

QI Qua Iboe (Nigeria)

RE Rabi Light (Gabon)

SH Saharan Blend (Algeria)

SI Sarir (Libya)

ST Saturno (Angola)

SZ Suez Blend (Egypt)

US Usan (Nigeria)

WD Western Desert (Egypt)

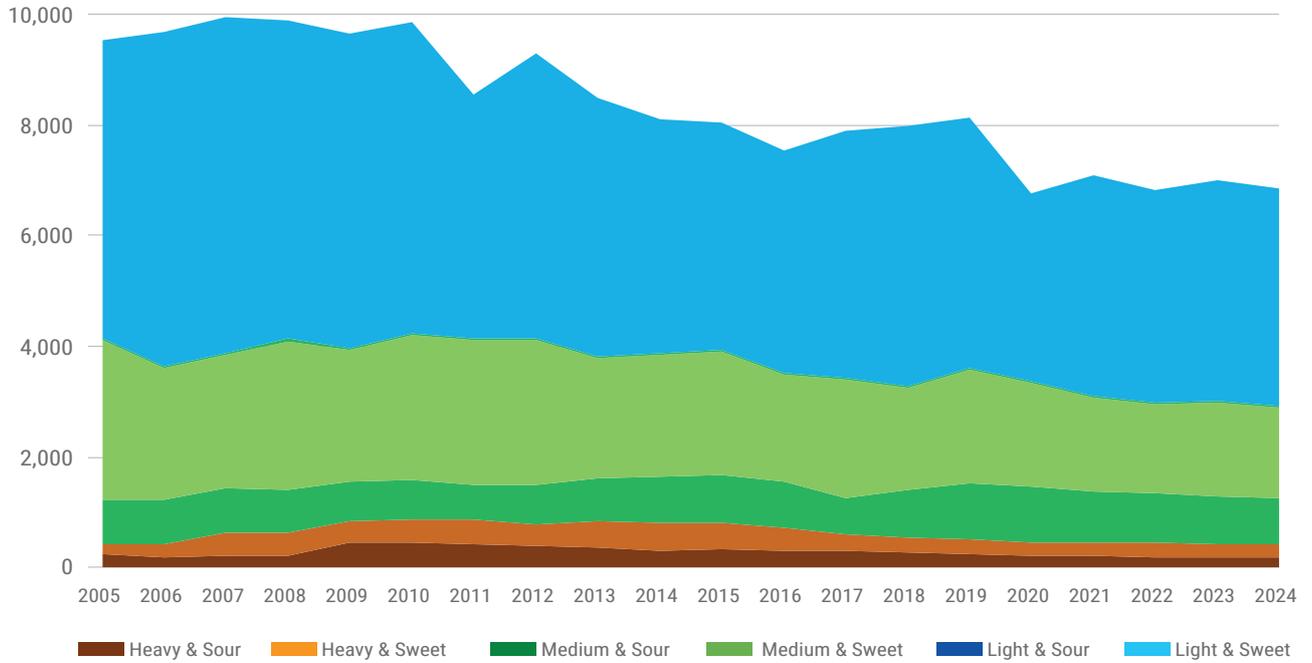
ZF New Zafiro (Equatorial Guinea)

^(*) Data source: Eni.

Africa

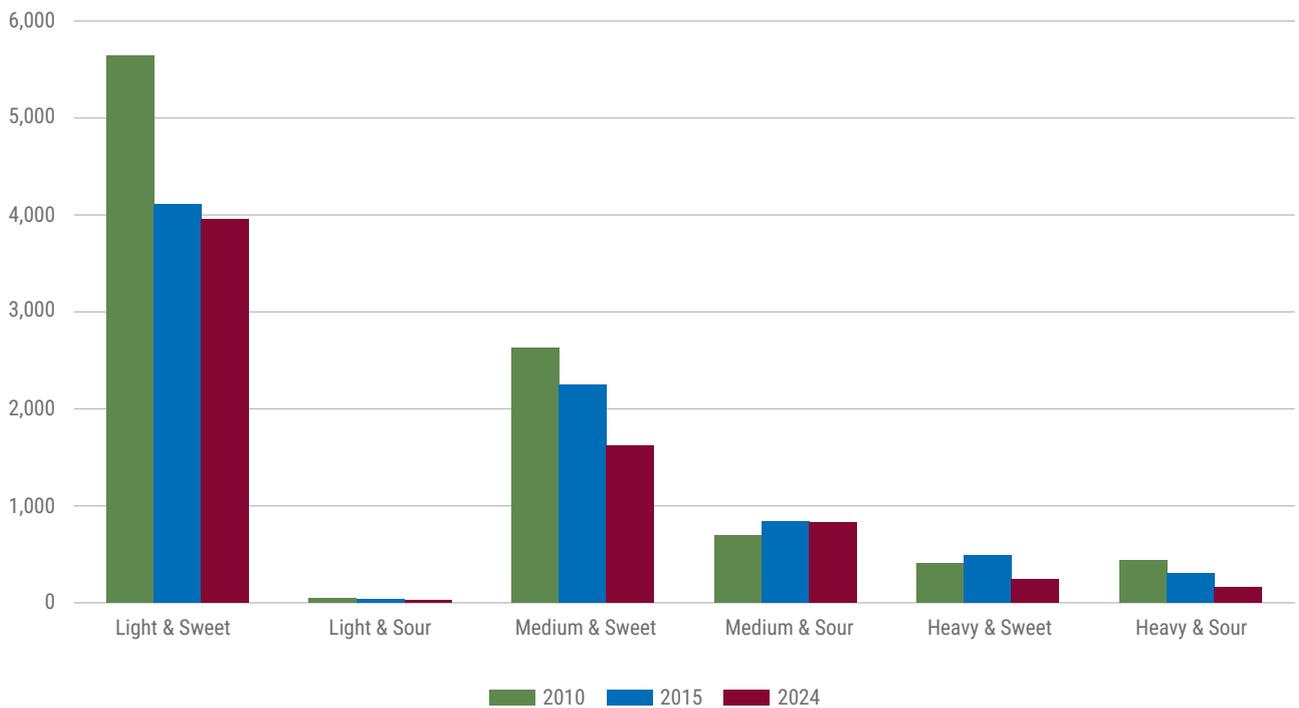
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*)Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Africa

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Algeria	1,720	1,590	1,490	1,346	1,362	1,470	1,432	1,360		
Ultra Light	515	481	466	448	451	459	460	452	29.9%	33.3%
Light & Sweet	1,205	1,109	1,023	898	911	1,011	972	908	70.1%	66.7%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Angola	1,780	1,779	1,399	1,278	1,130	1,149	1,106	1,128		
Light & Sweet	356	182	109	107	87	74	73	74	20.0%	6.5%
Medium & Sweet	943	915	752	649	577	624	608	606	53.0%	53.8%
Medium & Medium Sour	165	297	307	320	266	254	257	258	9.3%	22.9%
Heavy & Sweet		166	81	66	73	82	71	75		
Heavy & Medium Sour	317	219	149	135	126	115	98	114	17.8%	10.1%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Cameroon	64	93	71	73	70	68	65	59		
Medium & Sweet	43	48	36	46	42	40	38	34	66.7%	58.2%
Heavy & Sweet	21	44	35	27	28	28	27	25	33.3%	41.8%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Chad	120	139	132	131	119	124	130	127		
Heavy & Sweet	120	139	132	131	119	124	130	127	100.0%	100.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Congo	306	227	332	297	268	262	271	258		
Light & Sweet	89	51	46	40	34	34	43	54	29.1%	21.1%
Medium & Sweet	217	176							70.9%	
Medium & Medium Sour			286	257	235	228	228	203		78.9%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Côte d'Ivoire	39	26	36	28	28	27	32	46		
Light & Sweet							3	20		43.7%
Medium & Sweet	16	14	8	8	8	8	11	8	41.0%	17.1%
Heavy & Sweet	23	12	28	20	20	19	18	18	59.0%	39.3%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Africa

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Nigeria	2,535	2,231	2,108	1,864	1,666	1,470	1,549	1,614		
Light & Sweet	1,678	1,552	1,371	1,160	1,020	926	932	983	66.2%	60.9%
Medium & Sweet	857	680	737	704	646	544	617	631	33.8%	39.1%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Sudan	465	253	241	226	214	201	203	123		
Medium & Sweet	214	119	241	226	214	201	203	123	46.0%	100.0%
Heavy & Sweet	251	134							54.0%	
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Tunisia	79	49	36	32	40	35	33	29		
Light & Sweet	33	17	12	11	12	10	9	9	42.0%	29.6%
Light & Sour	33	24	16	13	19	15	15	13	42.0%	44.6%
Medium & Medium Sour	13	4	4	4	5	4	5	4	16.0%	12.4%
Medium & Sour		4	4	4	4	5	5	4		13.3%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Asia - Pacific

Crude Production by Quality^(*)

(thousand barrels/day)

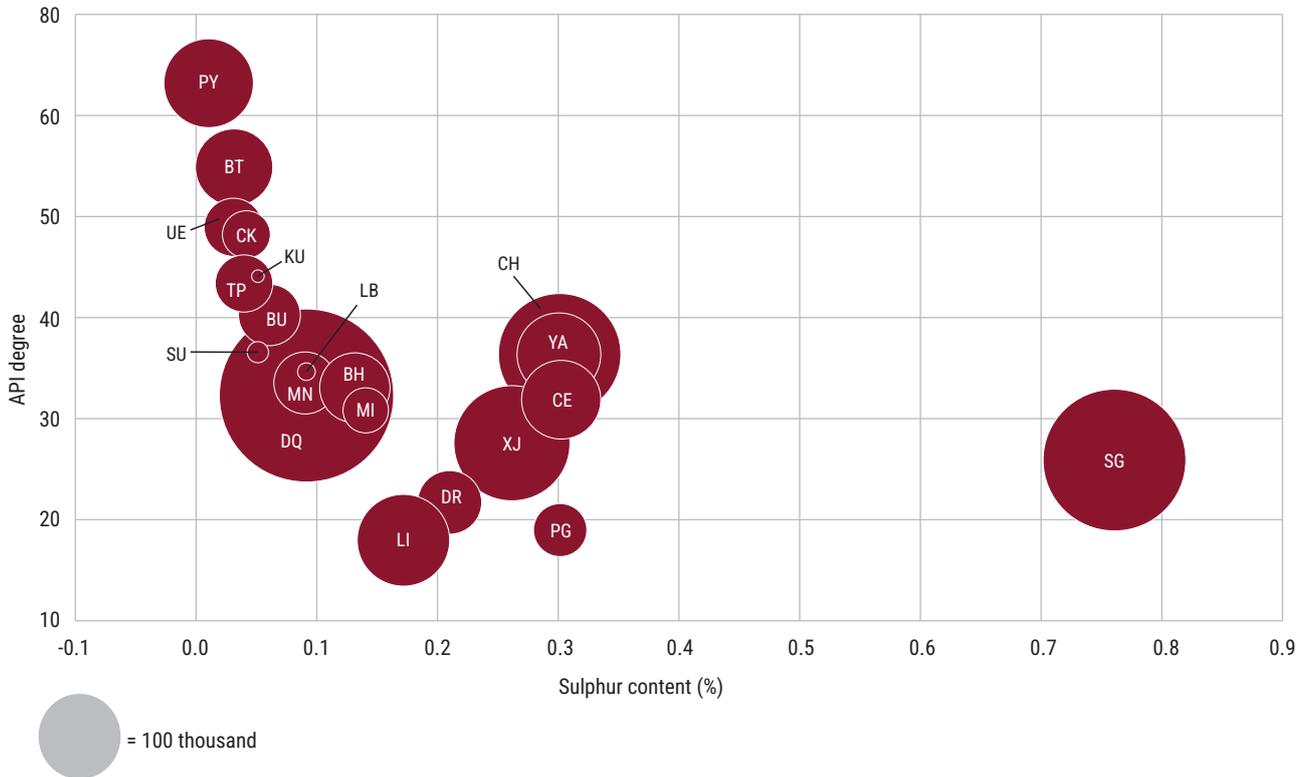
	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Asia - Pacific (A)	7,836	7,729	6,929	6,766	6,700	6,649	6,675	6,678		
Ultra Light	664	428	501	441	447	432	450	453	8.5%	6.8%
Light & Sweet	2,419	2,508	2,616	2,444	2,173	2,002	1,915	1,887	30.9%	28.3%
Light & Medium Sour			31	30	31	31	32	33		0.5%
Light & Sour	35	32							0.4%	
Medium & Sweet	3,437	3,599	2,673	2,740	2,955	3,080	3,184	3,235	43.9%	48.4%
Medium & Medium Sour	554	546	452	453	450	447	446	444	7.1%	6.6%
Medium & Sour	56	63	57	57	58	58	58	59	0.7%	0.9%
Heavy & Sweet	621	498	558	561	547	563	549	526	7.9%	7.9%
Unassigned production (B)	49	54	42	41	39	37	41	40	0.6%	0.6%
% Unassigned production (B/A)	1	1	1	1	1	1	1	1		

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Asia - Pacific

Quality and Production Volume of Main Crudes 2024^(*)

(thousand barrels/day)



BH Bach Ho (Vietnam)
 BT Bintulu Condensate (Malaysia)
 BU Brunei Light (Brunei)
 CE Cepu (Indonesia)
 CH Changqing (China)
 CK Cossack (Australia)
 DQ Daqing (China)
 DR Duri (Indonesia)

GP Gippsland (Australia)
 KU Kutubu Blend (Papua N. G.)
 LB Labuan (Malaysia)
 LI Liaohe (China)
 MI Miri (Malaysia)
 MN Minas (Indonesia)
 PA Panyu (China)
 PG Peng Lai (China)

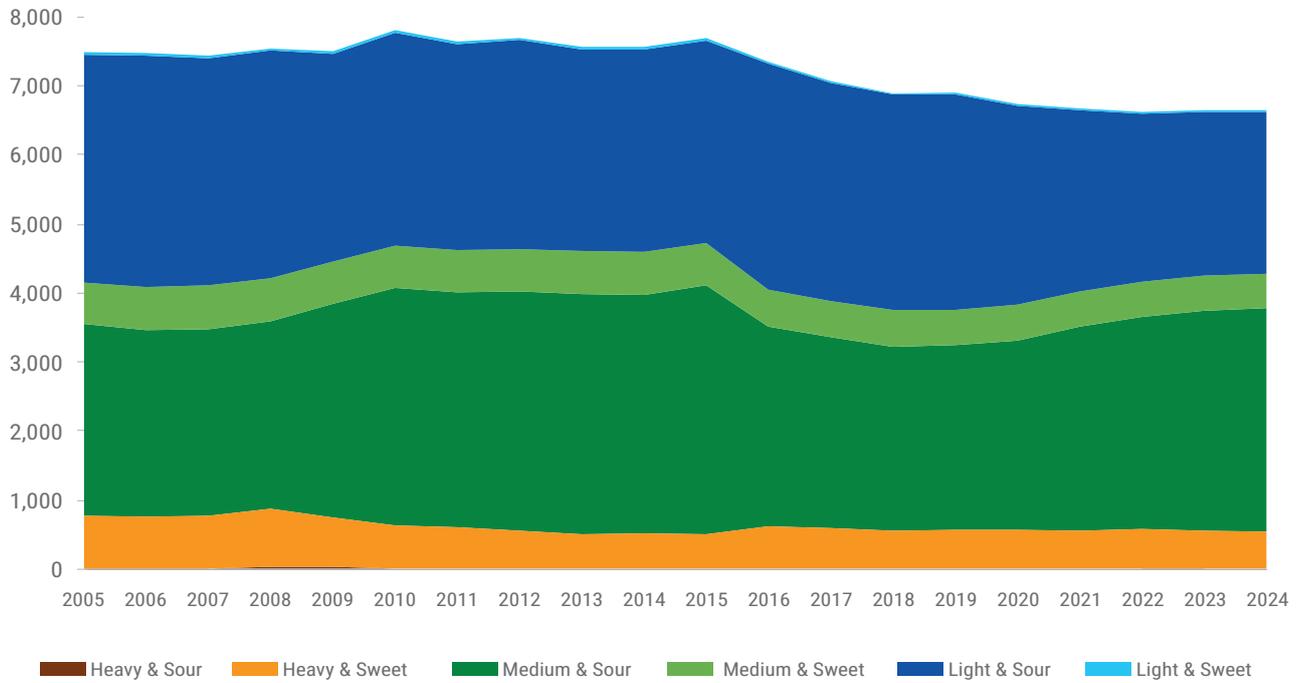
SC NW Shelf C.te (Australia)
 SG Shengli (China)
 SU Su Tu Den (Vietnam)
 TP Tapis (Malaysia)
 XJ Xinjiang (China)
 YA Yanchang (China)
 UE UEPL (Pakistan)

^(*) Data source: Eni.

Asia - Pacific

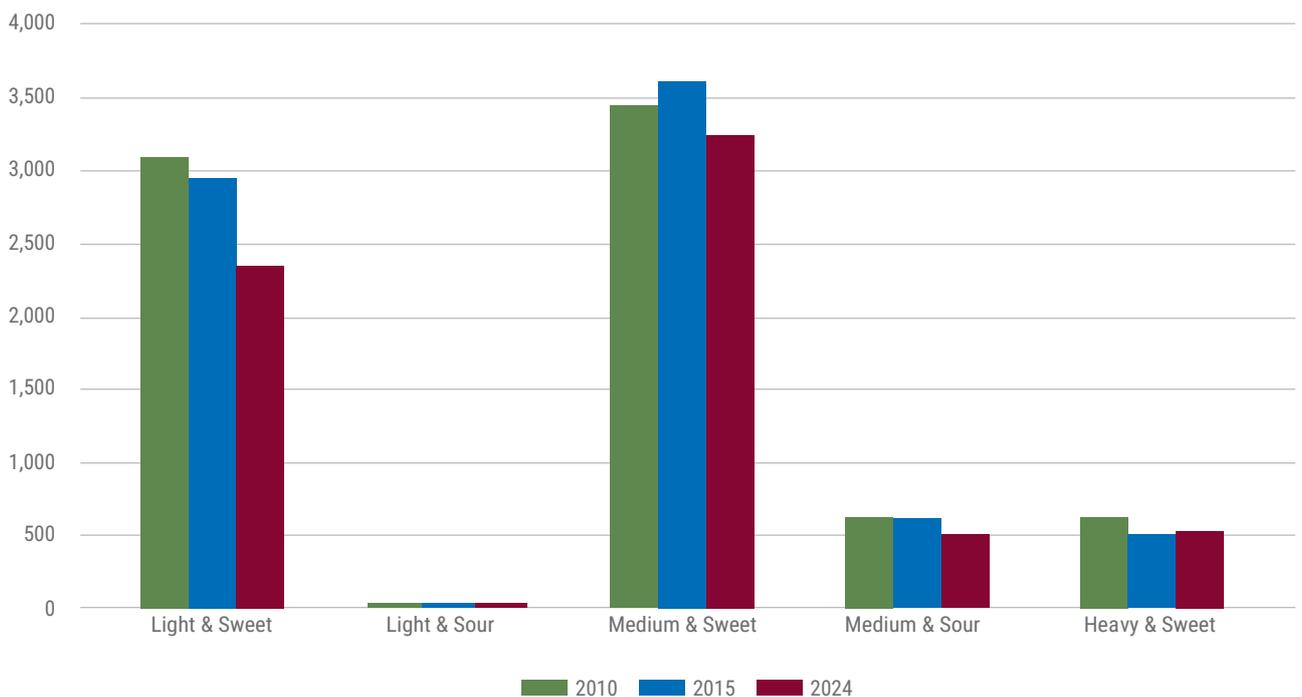
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*)Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Asia - Pacific

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Australia	479	322	361	351	335	311	280	270		
Ultra Light	221	81	178	166	179	170	170	164	46.2%	60.7%
Light & Sweet	122	152	139	129	99	85	73	78	25.4%	28.9%
Heavy & Sweet	136	89	44	56	57	56	37	28	28.4%	10.4%
Heavy & Medium Sour										
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Brunei	169	127	121	110	108	93	91	90		
Ultra Light	16	11	11	10	8	8	8	8	9.5%	8.7%
Light & Sweet	153	115	110	100	100	85	83	82	90.5%	91.3%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
China	4,020	4,222	3,768	3,832	3,931	4,037	4,124	4,186		
Light & Sweet	338	310	756	715	560	557	543	531	8.4%	12.7%
Light & Medium Sour			31	30	31	31	32	33		0.8%
Light & Sour	35	32							0.9%	
Medium & Sweet	2,738	3,001	2,051	2,152	2,406	2,521	2,619	2,705	68.1%	64.6%
Medium & Medium Sour	554	546	452	453	450	447	446	444	13.8%	10.6%
Medium & Sour	56	63	57	57	58	58	58	59	1.4%	1.4%
Heavy & Sweet	299	269	422	424	427	423	425	414	7.4%	9.9%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
East Timor	88	45	23	14	12	10	5	2		
Ultra light	88	45	23	14	12	10	5	2	100.0%	100.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
India	755	764	670	630	615	603	594	588		
Light & Sweet	658	676	585	549	533	519	505	496	87.2%	84.3%
Medium & Sweet	95	87	84	80	81	83	88	91	12.6%	15.5%
Heavy & Sweet	2	1	1	1	1	1	1	1	0.3%	0.2%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Indonesia	945	776	745	708	659	609	607	580		
Ultra Light	132	84	54	51	48	46	47	49	13.9%	8.4%
Light & Sweet	380	335	244	236	243	201	200	197	40.2%	34.0%
Medium & Sweet	249	218	356	341	305	280	274	251	26.3%	43.3%
Heavy & Sweet	184	139	91	80	63	83	85	83	19.5%	14.4%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Asia - Pacific

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Malaysia	638	654	604	541	506	502	499	487		
Ultra Light	98	70	103	83	88	105	126	132	15.4%	27.1%
Light & Sweet	388	509	472	430	386	328	298	286	60.8%	58.7%
Medium & Sweet	152	75	29	28	32	69	75	69	23.8%	14.2%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
New Zealand	55	41	24	21	18	16	18	15		
Light & Sweet	55	41	24	21	18	16	18	15	100.0%	100.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Pakistan	65	86	86	84	82	80	77	75		
Light & Sweet	65	86	86	84	82	80	77	75	100.0%	100.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Papua New Guinea	32	58	35	39	37	34	32	30		
Ultra Light	21	41	29	32	31	29	27	26	65.6%	86.6%
Light & Sweet	11	17	6	7	6	5	5	4	34.4%	13.4%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Thailand	242	248	228	202	177	143	136	153		
Ultra Light	89	96	102	85	80	64	67	73	36.8%	47.6%
Light & Sweet	135	139	115	106	87	69	60	72	55.7%	47.2%
Medium & Sweet	18	13	11	11	10	10	9	8	7.4%	5.2%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Vietnam	299	332	221	193	181	176	171	162		
Light & Sweet	114	127	79	66	60	58	52	51	38.1%	31.5%
Medium & Sweet	185	205	142	127	122	118	119	111	61.9%	68.5%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Americas

Crude Production by Quality^(*)

(thousand barrels/day)

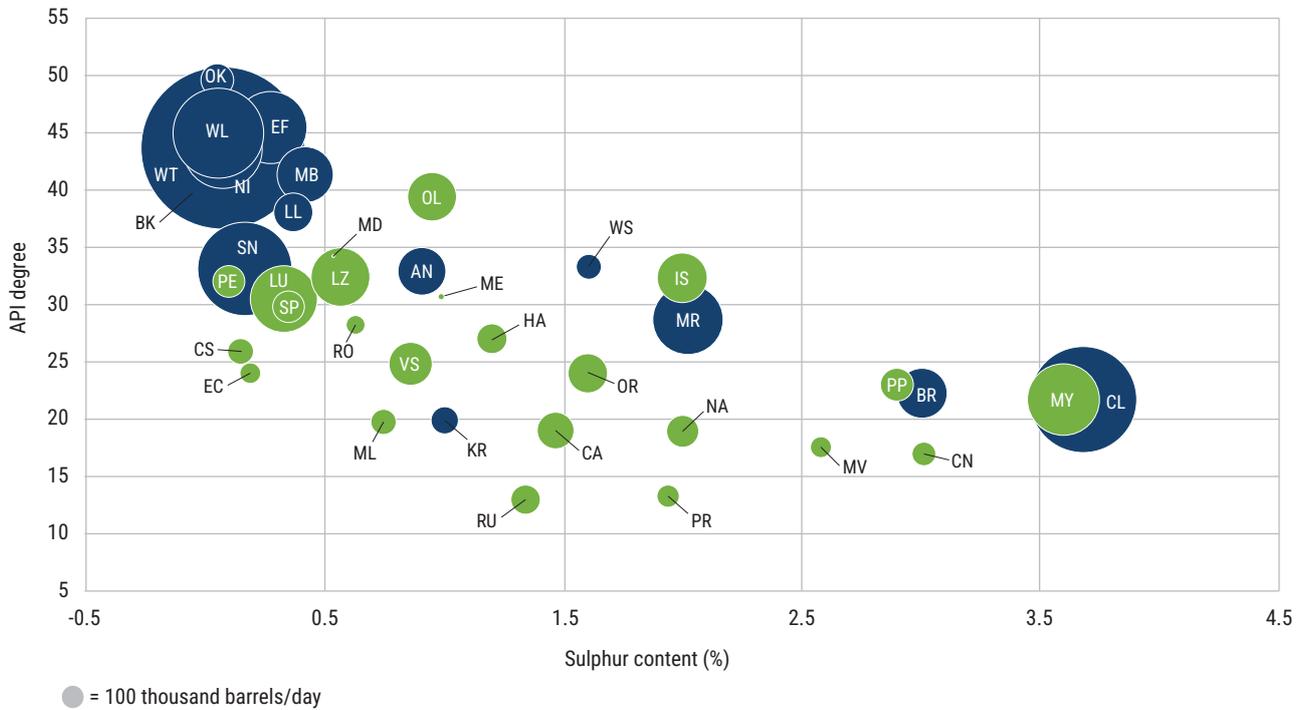
	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Americas (A)	17,643	22,783	24,562	23,021	23,276	24,498	26,270	26,965		
Ultra Light	122	120	82	52	40	38	47	59	0.7%	0.2%
Light & Sweet	2,760	6,764	9,373	8,694	8,771	9,492	10,193	10,678	15.6%	39.6%
Light & Medium Sour	320	277	178	239	285	438	464	434	1.8%	1.6%
Light & Sour										
Medium & Sweet	1,653	2,284	3,541	3,714	3,811	3,898	4,188	4,427	9.4%	16.4%
Medium & Medium Sour	1,362	1,176	1,146	1,124	1,077	1,135	1,428	1,629	7.7%	6.0%
Medium & Sour	3,536	3,666	2,947	2,639	2,666	2,635	2,943	2,709	20.0%	10.0%
Heavy & Sweet	273	228	205	199	201	218	237	223	1.5%	0.8%
Heavy & Medium Sour	1,941	1,910	1,417	1,354	1,364	1,496	1,684	1,602	11.0%	5.9%
Heavy & Sour	5,384	6,092	5,458	4,814	4,873	4,963	4,917	5,042	30.5%	18.7%
Unassigned production (B)	293	267	214	191	188	185	168	162	1.7%	0.6%
% Unassigned production (B/A)	2	1	1	1	1	1	1	1		0.0%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Americas

Quality and Production Volume of Main Crudes 2024^(*)

(thousand barrels/day)



- AN Alaskan North Slope (U.S.A.)
- BK Bakken Blend (U.S.A.)
- BR Bow River (Canada)
- CA Castilla (Colombia)
- CL Cold Lake (Canada)
- CN Cerro Negro (Venezuela)
- CS Canadon Seco (Argentina)
- EC Escalante (Argentina)
- EF Eagle Ford (U.S.A.)
- HA Hamaca (Venezuela)
- IS Isthmus (Mexico)
- KR Kern River (U.S.A.)
- LL Louisiana Light Sweet (U.S.A.)

- LU Lula (Brazil)
- MB Mixed Blend Sweet (Canada)
- MD Medanito (Argentina)
- ME Mesa (Venezuela)
- ML Marlim (Brazil)
- MR Mars (U.S.A.)
- MV Merrey (Venezuela)
- MY Maya (Mexico)
- NA Napo (Ecuador)
- NI Niobrara (U.S.A.)
- OK Oklahoma sweet (U.S.A.)
- OL Olmeca (Mexico)
- OR Oriente (Ecuador)

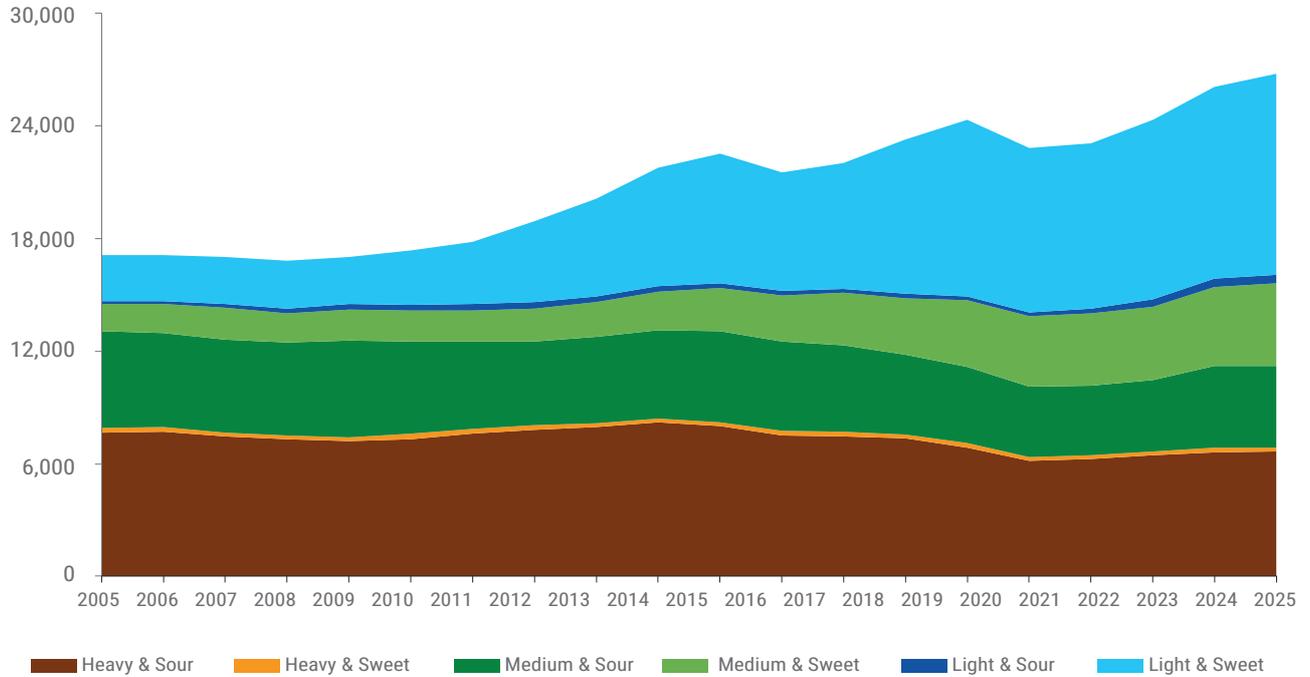
- PE Petrocedeno (Venezuela)
- PR Peregrino (Brazil)
- PP Petrozuata (Venezuela)
- RO Roncador (Brazil)
- RU Rubiales (Colombia)
- SN Syncrude (Canada)
- SP Sapinhoa (Brazil)
- VS Vasconia (Colombia)
- WL West Texas Light (U.S.A.)
- WS West Texas Sour (U.S.A.)
- WT West Texas Int. (U.S.A.)
- LZ Liza (Guyana)

^(*) Data source: Eni.

Americas

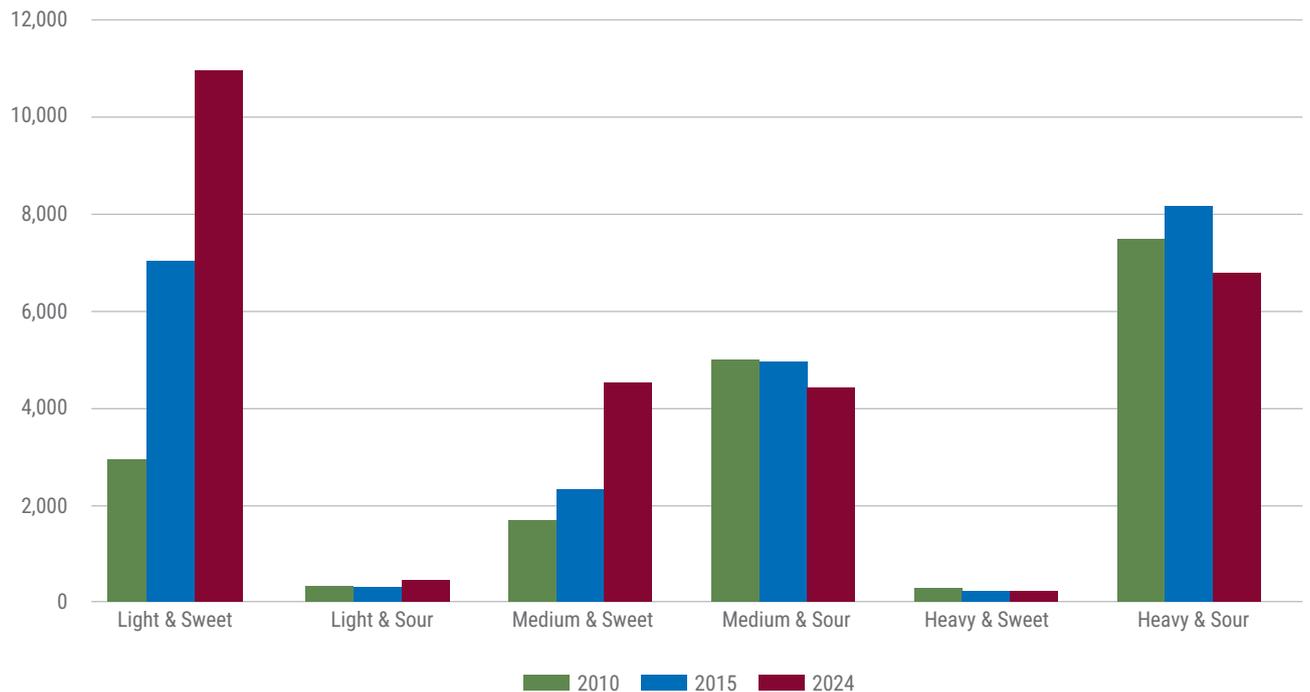
Crude Production by Quality^(*)

(thousand barrels/day)



Crude Production by Quality^(*)

(selected years, thousand barrels/day)



^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Americas

Countries^(*)

(thousand barrels/day)

	2010	2015	2019	2020	2021	2022	2023	2024	Share of total	
									2010	2024
Guyana	0	0	1	75	117	276	390	617		
Medium & Medium Sour			1	75	117	276	390	617		100.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Ecuador	466	541	531	479	473	481	475	475		
Heavy & Sour	466	541	531	479	473	481	475	475	100.0%	100.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Mexico	2,577	2,267	1,705	1,721	1,780	1,843	1,936	1,818		
Light & Medium Sour	320	277	178	239	285	438	458	428	12.4%	
Medium & Sour	793	838	477	461	518	492	476	438	30.8%	24.1%
Heavy & Sour	1,465	1,152	1,050	1,022	977	914	1,001	953	56.8%	52.4%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
United States	5,484	9,432	12,315	11,323	11,308	11,993	12,935	13,209		
Ultra light	5	6					4	3	0.1%	0.0%
Light & Sweet	1,924	5,951	8,610	8,035	8,125	8,808	9,493	9,982	35.1%	75.6%
Medium & Sweet	265	283	207	183	208	238	257	279	4.8%	2.1%
Medium & Medium Sour	819	579	607	583	558	545	770	747	14.9%	5.7%
Medium & Sour	1,853	1,983	2,243	2,017	1,992	1,991	2,279	2,057	33.8%	15.6%
Heavy & Sour	619	631	646	505	425	410	127	136	11.3%	1.0%
									Share of total	
	2010	2015	2019	2020	2021	2022	2023	2024	2010	2024
Venezuela	2,535	2,460	965	634	639	643	771	876		
Ultra light	96	94	56	27	12	12	19	21	3.8%	2.4%
Medium & Sweet	135	112	137	93	124	114	163	183	5.3%	20.8%
Medium & Medium Sour			15	12	8	10	7	9		1.0%
Medium & Sour	890	846	226	161	156	153	187	215	35.1%	24.5%
Heavy & Sour	1,413	1,408	530	341	339	355	395	449	55.8%	51.3%

^(*) Data source: Eni's elaborations on IEA (2025) *Monthly Oil Data Service* data. All rights reserved.

Oil Refining Industry

REFINING CAPACITY

Areas and Aggregates

Refining Capacity

Areas and Aggregates^(*)

2010	Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio	
					FCC eqv. (%)	NCI
Europe ^(**)	128	840	16,812	309	37%	8.9
Russia and Central Asia	66	378	7,612	66	18%	6.9
Middle East	59	396	8,053	79	20%	5.9
Africa	46	159	3,189	28	17%	5.7
Asia - Pacific	298	1,485	29,792	785	53%	8.3
Americas	242	1,353	27,087	881	65%	10.6
- North America	167	1,034	20,688	729	70%	11.6
- Central South America	75	319	6,399	152	47%	7.4
World	839	4,612	92,545	2,159	47%	8.7

2015	Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio	
					FCC eqv. (%)	NCI
Europe ^(**)	113	772	15,443	313	41%	9.2
Russia and Central Asia	70	414	8,350	79	19%	7.0
Middle East	58	439	8,915	118	27%	6.8
Africa	48	159	3,195	32	20%	6.1
Asia - Pacific	324	1,717	34,449	1,021	59%	8.9
Americas	239	1,366	27,350	922	67%	10.9
- North America	164	1,070	21,417	777	73%	11.8
- Central South America	75	296	5,933	145	49%	7.7
World	852	4,866	97,702	2,501	51%	9.1

2020	Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio	
					FCC eqv. (%)	NCI
Europe ^(**)	109	765	15,307	336	44%	9.3
Russia and Central Asia	72	431	8,681	113	26%	7.7
Middle East	63	499	10,208	144	29%	7.4
Africa	52	150	3,024	36	24%	6.4
Asia - Pacific	320	1,884	37,865	1,186	63%	9.8
Americas	233	1,385	27,757	939	68%	10.8
- North America	161	1,078	21,593	772	72%	11.7
- Central South America	72	308	6,164	167	54%	8.0
World	849	5,114	102,842	2,786	54%	9.5

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

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

Refining Capacity

Areas and Aggregates^(*)

2023	Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio	
					FCC eqv. (%)	NCI
Europe ^(**)	104	742	14,852	337	45%	9.4
Russia and Central Asia	72	433	8,730	141	33%	8.2
Middle East	68	563	11,497	165	29%	7.7
Africa	51	145	2,913	38	26%	6.4
Asia - Pacific	296	1,901	38,207	1,245	65%	10.3
Americas	233	1,366	27,368	909	67%	10.7
- North America	155	1,060	21,242	748	71%	11.6
- Central South America	72	306	6,126	161	52%	7.9
World	824	5,151	103,567	2,835	56%	9.7

2024	Refineries (no.)	Primary Capacity (mmtons)	Primary Capacity (kbb/d)	Conversion Capacity (FCC eqv.) (mmtons)	Complexity Ratio	
					FCC eqv. (%)	NCI
Europe ^(**)	103	736	14,715	338	46%	9.4
Russia and Central Asia	72	433	8,730	143	33%	8.2
Middle East	68	579	11,804	171	30%	7.7
Africa	52	173	3,466	59	34%	7.1
Asia - Pacific	296	1,908	38,347	1,308	69%	10.3
Americas	228	1,376	27,567	906	66%	10.7
- North America	154	1,069	21,427	745	70%	11.5
- Central South America	72	306	6,140	161	52%	7.9
World	819	5,204	104,629	2,925	56%	9.7

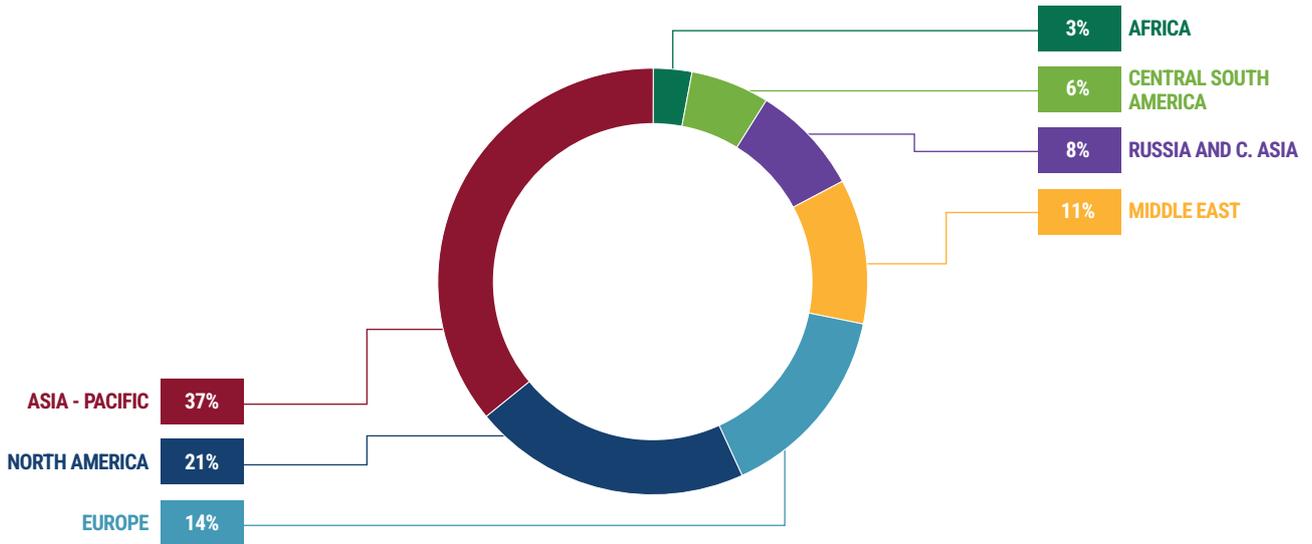
^(*) Data source: Eni's calculations on Icis Consulting data.

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

Refining Capacity

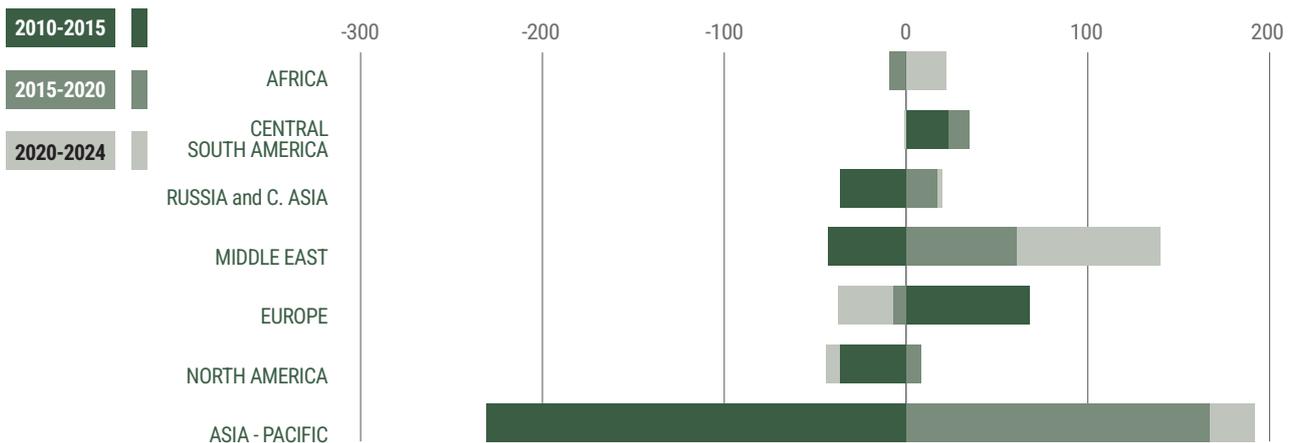
World Primary Capacity (2024)

5,204 million tons



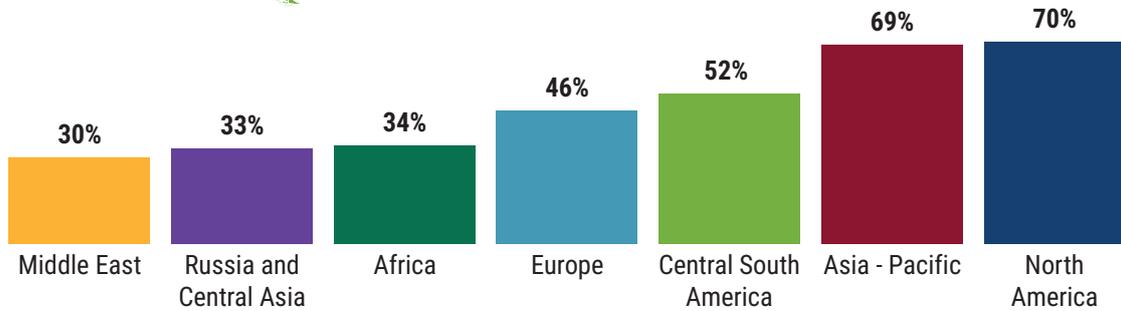
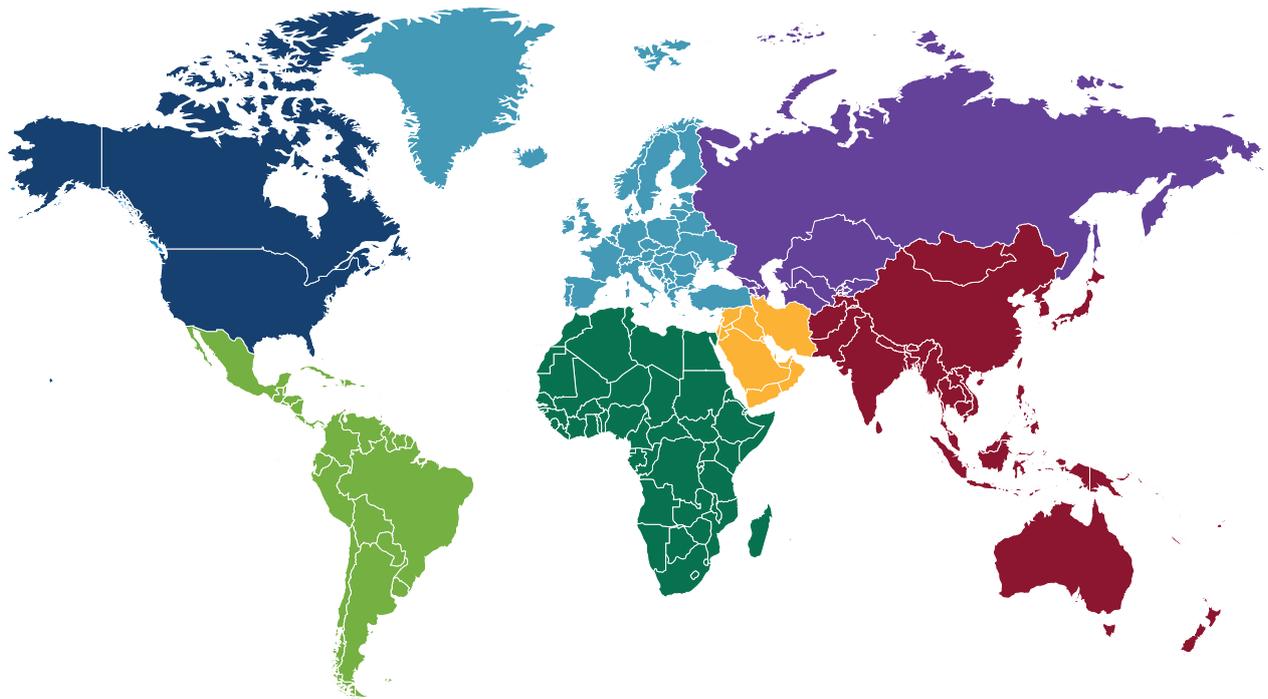
World Primary Capacity Growth (2010-2024)

595 million tons



Refining Capacity

2024 Complexity ratio (FCC eqv.%)





Biofuels Production

In the **biofuels market**, global production increased by 7% in 2024 as compared to 2023, with biodiesel recording the largest gain. The US is confirmed to be the main global producer with its 1.4 Mb/d production. Brazil came in second, driven mainly by ethanol production which was supported by the approval of the *Fuels of the Future* in October 2024, setting specific targets for different types of biofuels. In Asia, Indonesia stood out thanks to its 35% biodiesel blending target (B35). Conversely, the European market was characterized by an oversupply, largely due to high flows from China as it lacks domestic targets.

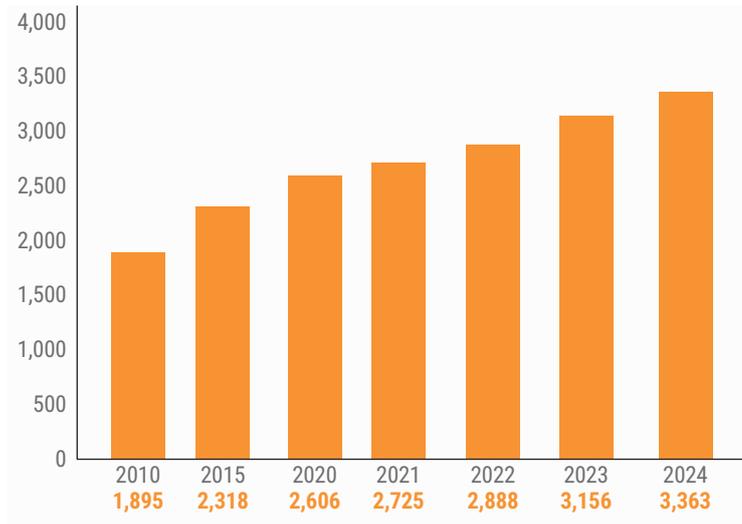
Biofuels Production

I LIQUID BIOFUEL PRODUCTION

Liquid Biofuel Production

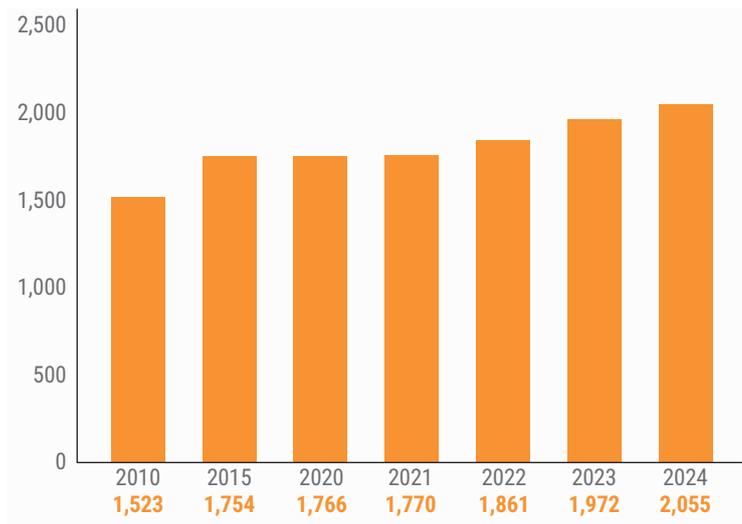
Total Biofuels^(*)

(thousand barrels/day)



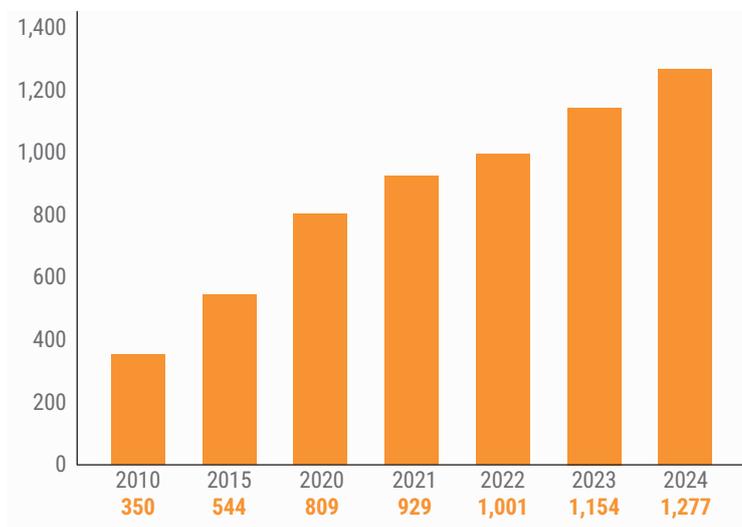
Biogasoline^(*)

(thousand barrels/day)



Biodiesel^(*)

(thousand barrels/day)



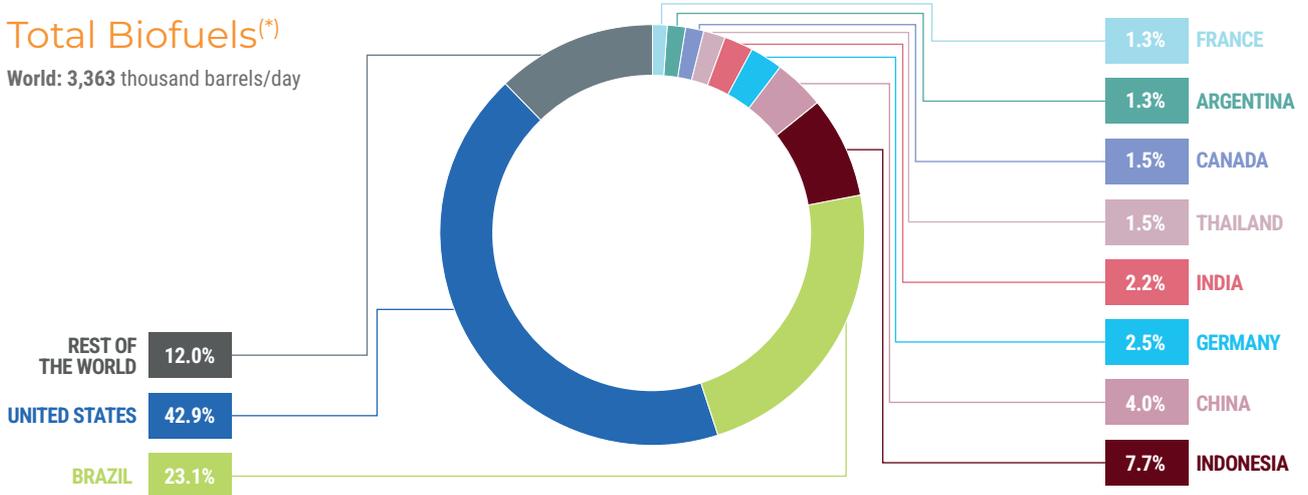
^(*) Data source: IEA (2025) *Extended Balances* and EIA DOE. All rights reserved.

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

Liquid Biofuel Production

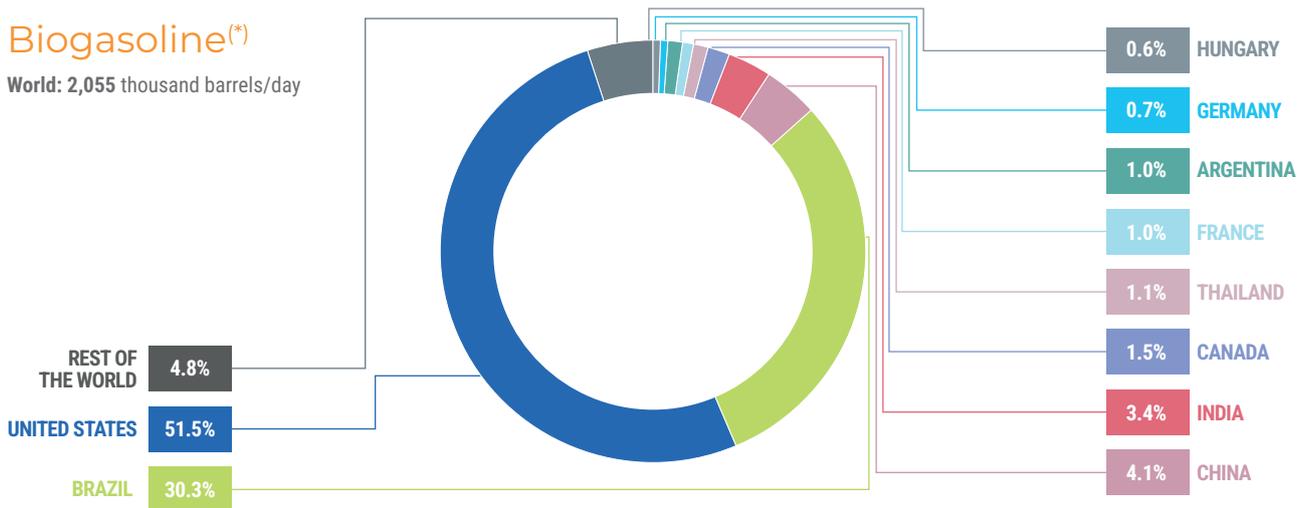
Total Biofuels^(*)

World: 3,363 thousand barrels/day



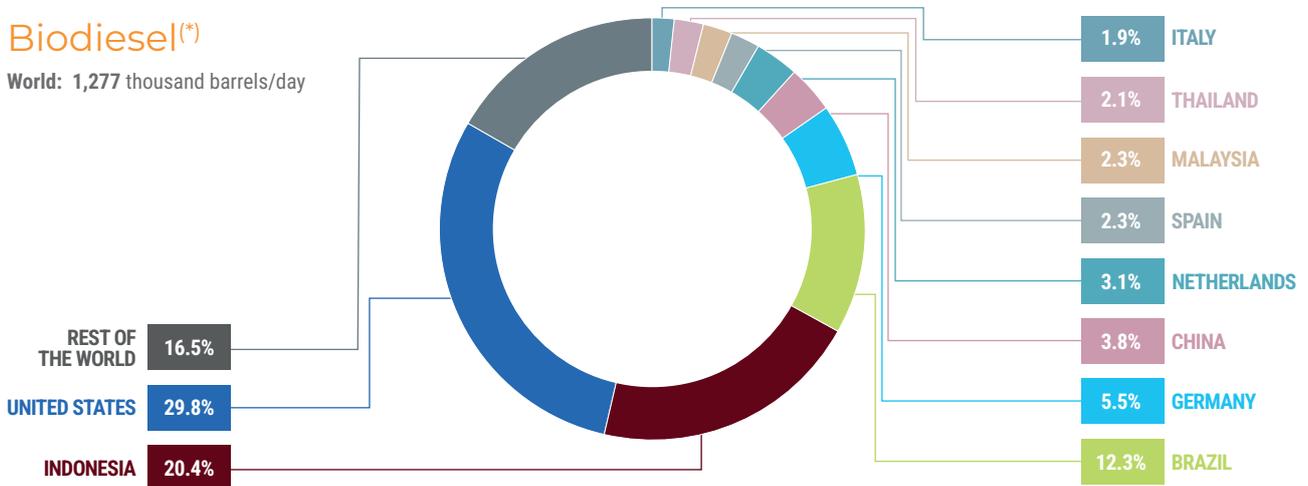
Biogasoline^(*)

World: 2,055 thousand barrels/day

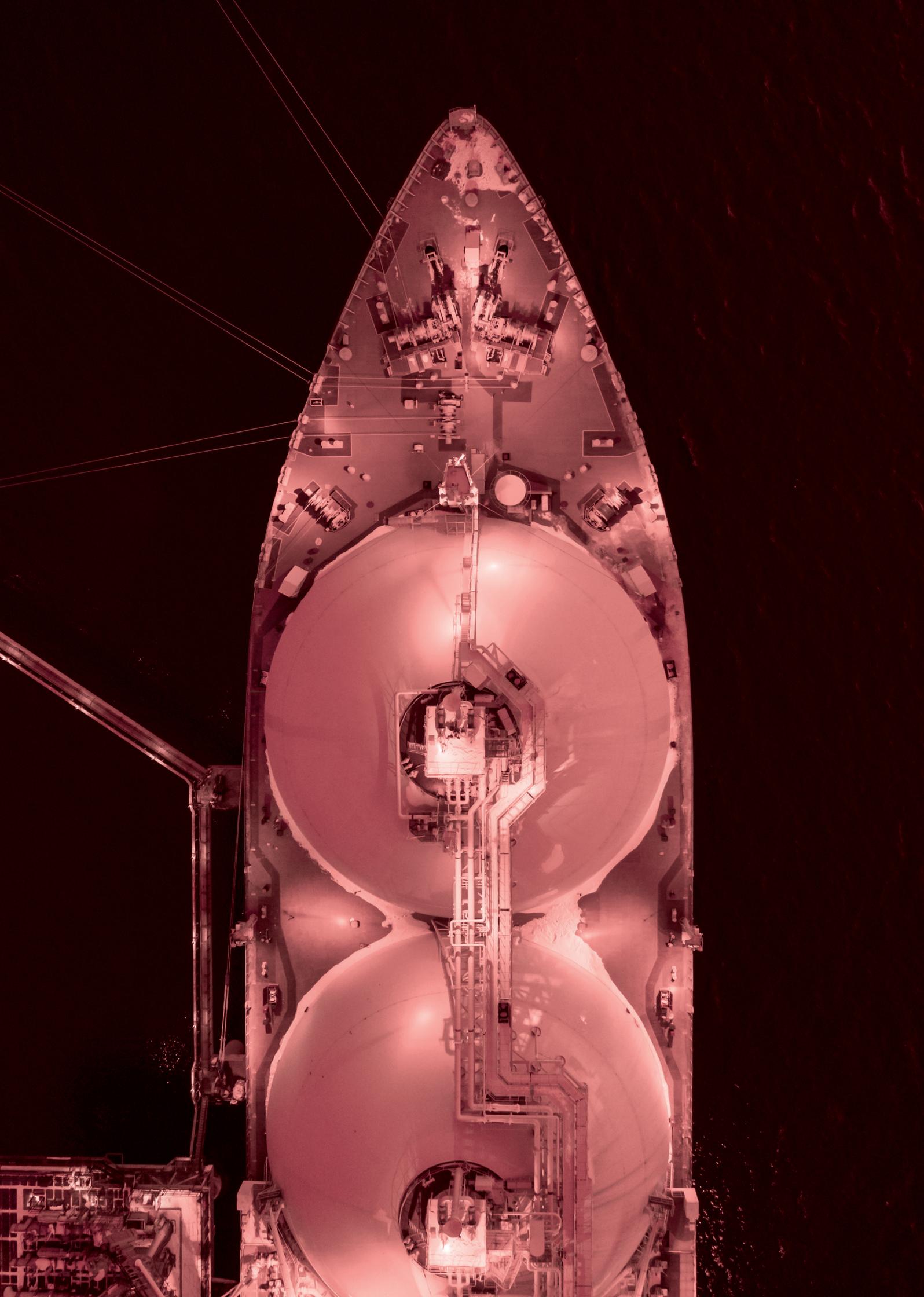


Biodiesel^(*)

World: 1,277 thousand barrels/day



^(*) Data source: IEA (2025) *Extended Balances* and EIA DOE. All rights reserved.
Total Biofuels include biogasoline (also ethanol used pure in Brazil "Hydrous"), biodiesel and other liquid biofuels.



Natural Gas

In 2024, the global gas markets continued to be characterized by an unstable balance. The decline recorded in the first five months of the year – also due to mild weather conditions and record storage levels at the end of the winter season – was partially offset, in the second half of 2024, by sustained demand, especially in Asia, and supply-side uncertainties (such as geopolitical tensions in Ukraine and the Middle East, and reduced imports from Norway).

On a full-year basis, 2024 was characterized by **prices** at major international hubs which recorded an average decline of approximately 14% compared to 2023:

- In Europe, the TTF price averaged \$10.9 per MBtu, down from \$12.8 per MBtu in 2023, fluctuating between \$7.3-15 per MBtu.
- In Asia, the average spot LNG price was \$12.1 per MBtu, compared to \$13.7 per MBtu in 2023.
- In the United States, Henry Hub prices averaged \$2.2/MBtu in 2024, down from \$2.5 per MBtu in 2023.

Global gas demand increased by about 120 Bcm compared to 2023 (+3%), reaching about 4,120 Bcm, with different growth trends across geographic areas. This increase was primarily driven by China (+29 Bcm), followed by Russia (+23 Bcm) and the USA (+14 Bcm), while in Europe demand remained almost stable, with increased needs in the industrial sector offset by reduced use for power generation.

Global production showed a slight increase compared to 2023 (+1%), with the most significant growth in non-OECD Countries, particularly in Asia, the Middle East, and Russia.

In the **LNG** sector, 2024 saw an expansion in both liquefaction and regasification capacities worldwide. Nominal **liquefaction capacities** reached about 660 Bcm (+1.4%), while **regasification capacities** rose to about 1,500 Bcm (+4%). The most relevant expansion in liquefaction occurred in Indonesia, and the most significant increases in regasification were recorded in Asia (+40 Bcm), especially in China, and in Europe (+18 Bcm), with increases in Germany, France, and Spain.

Gas imports in 2024 increased by about 3% compared to 2023, mainly due to flows to China (40% by pipeline, 60% by LNG), which grew by around 10%. In the European market, there was a decrease in imports of about 6% after the record LNG imports in 2023. In terms of gas exports, the United States remained the world's leading exporter with a volume of around 210 Bcm, maintaining its leadership thanks to LNG.

Natural Gas Supply and Demand

RESERVES

Areas and Aggregates
The World's Top 10 Reserves Holders
Countries

PRODUCTION

Areas and Aggregates
The World's Top 10 Producers
Countries
The World's Top 10 Natural Gas Liquids Producers

RESERVES/PRODUCTION RATIO

Areas and Aggregates
The World's Top 10 Producers Ranked by Reserves/Production Ratio
Countries

CONSUMPTION

Areas and Aggregates
The World's Top 10 Consumers
Countries

PER CAPITA CONSUMPTION

Areas and Aggregates
The World's Top 10 Consumers Ranked by Per Capita Consumption Ratio
Countries

PRODUCTION/CONSUMPTION RATIO

Areas and Aggregates
The World's Top 10 Producers Ranked by Production/Consumption Ratio
Countries

Reserves

Areas and Aggregates^(*)

(billion cubic metres as at 31st December)

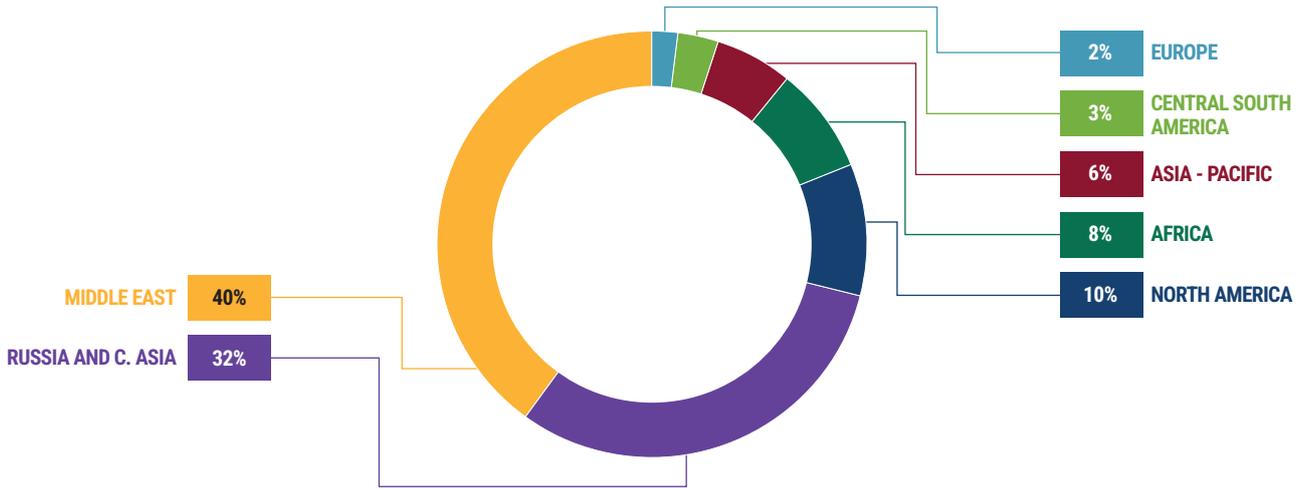
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	6,038	5,009	3,907	3,744	3,699	3,536	3,517	3,508	-0.3%	-3.8%
Russia and Central Asia	62,753	67,519	67,650	66,324	66,325	65,718	65,718	65,718	0.0%	0.3%
Middle East	78,963	79,263	81,378	81,319	81,963	83,047	83,047	83,211	0.2%	0.4%
Africa	14,450	14,587	15,894	15,844	15,933	15,819	15,819	15,915	0.6%	0.7%
Asia - Pacific	15,451	15,150	12,527	12,307	12,130	11,639	11,639	11,694	0.5%	-2.0%
Americas	18,822	19,191	24,028	23,245	27,551	29,359	26,884	26,554	-1.2%	2.5%
- North America	10,973	11,302	16,500	15,875	20,182	22,041	19,566	19,053	-2.6%	4.0%
- Central South America	7,849	7,889	7,527	7,371	7,369	7,318	7,318	7,501	2.5%	-0.3%
World	196,478	200,720	205,384	202,784	207,600	209,117	206,623	206,600	-0.01%	0.4%
European Union 27	1,771	1,249	517	463	450	424	429	424	-1.1%	-9.7%
MENA	87,240	87,424	89,661	89,602	90,246	91,330	91,330	91,494	0.2%	0.3%
OECD	20,319	18,997	23,023	22,247	26,623	28,382	25,888	25,250	-2.5%	1.6%
NON OECD	176,159	181,722	182,361	180,537	180,977	180,735	180,735	181,350	0.3%	0.2%
OPEC	68,879	70,191	73,088	73,068	73,657	74,709	74,709	74,917	0.3%	0.6%
NON OPEC	127,599	130,528	132,296	129,716	133,943	134,408	131,914	131,683	-0.2%	0.2%

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

Reserves

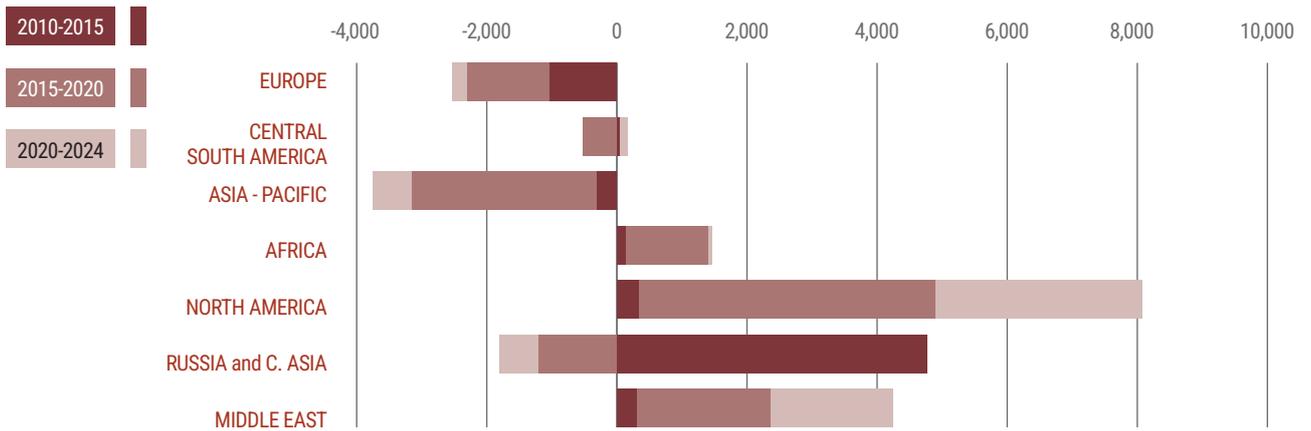
World Natural Gas Reserves (2024)

206.600 billion cubic metres



World Natural Gas Reserves Growth (2010-2024)

102.122 billion cubic metres



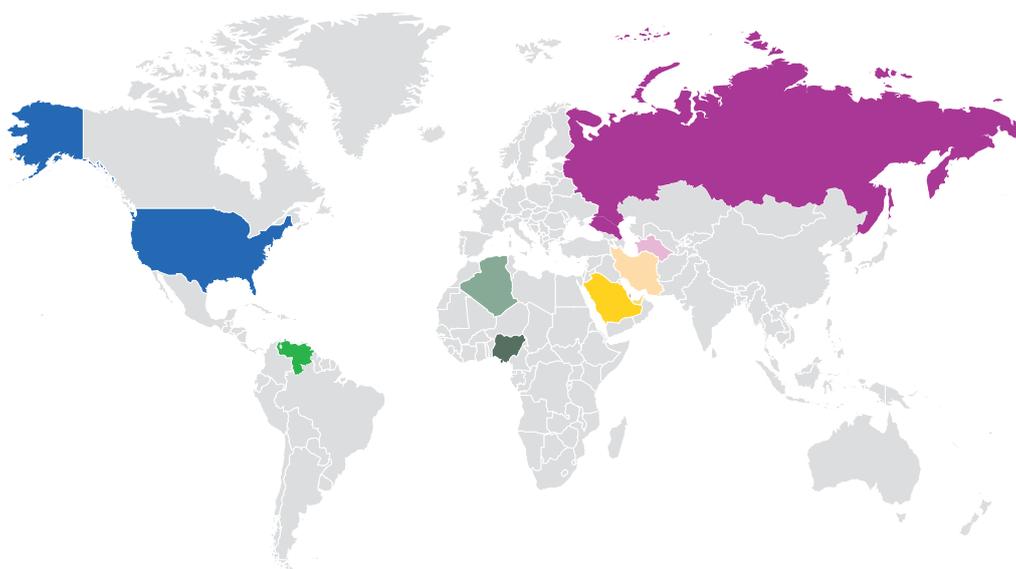
Reserves

The World's Top 10 Reserves Holders^(*)

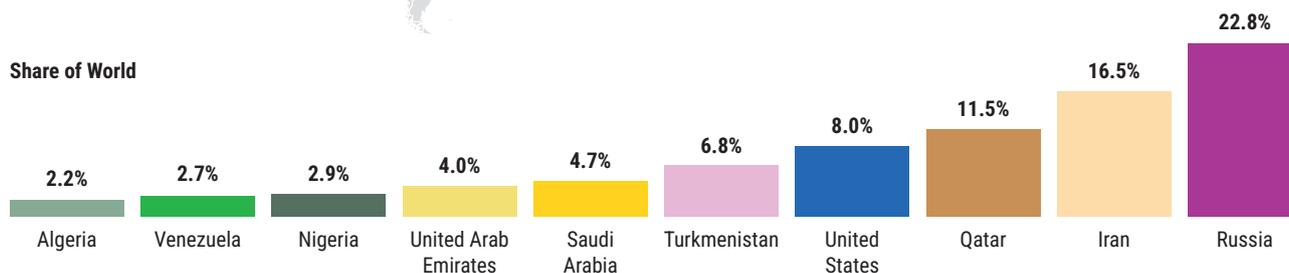
(billion cubic metres as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia	46,000	50,205	49,084	47,759	47,759	47,152	47,152	47,152	0.0%	0.2%
Iran	33,090	33,500	33,988	33,988	33,988	33,988	33,988	33,988	0.0%	0.2%
Qatar	25,201	24,299	23,831	23,831	23,831	23,831	23,831	23,831	0.0%	-0.4%
United States ^(**)	8,996	9,184	14,029	13,404	17,711	19,570	17,095	16,582	-3.0%	4.5%
Turkmenistan	13,950	13,950	13,950	13,950	13,950	13,950	13,950	13,950	0.0%	0.0%
Saudi Arabia	8,016	8,588	8,366	8,437	8,507	9,514	9,514	9,651	1.4%	1.3%
United Arab Emirates	6,090	6,090	7,726	7,730	8,200	8,210	8,210	8,220	0.1%	2.2%
Nigeria	5,110	5,284	5,761	5,750	5,848	5,913	5,913	6,009	1.6%	1.2%
Venezuela	5,521	5,698	5,674	5,590	5,541	5,511	5,511	5,476	-0.6%	-0.1%
Algeria	4,504	4,504	4,504	4,504	4,504	4,504	4,504	4,504	0.0%	0.0%
The World's Top 10	156,478	161,302	166,914	164,943	169,839	172,143	169,668	169,363	-0.2%	0.6%
Rest of the World	40,000	39,417	38,470	37,841	37,761	36,974	36,955	37,237	0.8%	-0.5%
World	196,478	200,720	205,384	202,784	207,600	209,117	206,623	206,600	0.0%	0.4%

The World's Top 10 (2024)



Share of World



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

^(**) Data source: U.S. Energy Information Administration.

Reserves

Countries^(*)

(billion cubic metres as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	6,038	5,009	3,907	3,744	3,699	3,536	3,517	3,508	-0.3%	-3.8%
Albania	0	0	1	1	1	1	1	1	0.0%	17.9%
Austria	15	9	6	5	5	5	5	4	-5.3%	-8.3%
Belarus	1	1	1	1	1	1	1	1	0.0%	-4.8%
Bulgaria	5	4	4	4	4	4	4	4	0.0%	-1.4%
Croatia	25	11	6	5	4	5	5	5	0.0%	-11.3%
Czech Republic	3	3	3	3	3	3	3	3	0.0%	0.7%
Denmark	101	80	77	74	73	71	71	66	-7.2%	-3.0%
France	5	9	9	9	9	9	9	9	-1.9%	3.9%
Germany	87	46	25	22	20	20	20	19	-7.3%	-10.5%
Greece	1	1	1	1	1	1	1	1	0.0%	0.0%
Hungary	12	9	4	5	5	5	5	5	1.3%	-5.5%
Ireland	25	30	28	27	26	25	25	25	0.0%	0.1%
Italy ^(**)	66	49	46	45	40	37	42	42	0.0%	-3.2%
Moldova	1	1	1	1	1	1	1	1	0.0%	-4.8%
Netherlands	1,236	825	133	92	93	72	72	74	2.8%	-18.2%
Norway	2,762	2,461	2,165	2,095	2,072	1,959	1,959	1,807	-7.8%	-3.0%
Poland	71	61	85	85	84	89	89	89	0.0%	1.6%
Romania	110	103	81	77	74	70	70	70	0.0%	-3.2%
Serbia and Montenegro	8	6	5	5	5	4	4	4	0.0%	-4.4%
Slovakia	5	5	4	4	4	4	4	4	0.0%	-1.7%
Slovenia	1	1	1	1	1	1	1	1	0.0%	0.0%
Spain	3	3	3	3	3	3	3	3	0.0%	0.7%
Türkiye	6	6	6	6	6	6	6	6	-1.8%	-0.2%
Ukraine	969	952	952	952	952	952	952	1,100	15.5%	0.9%
United Kingdom	520	333	260	221	213	189	165	165	0.0%	-7.9%

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

^(**) Data source: Italian Ministry of Environment and Energy Security.

Reserves

Countries^(*)

(billion cubic metres as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	62,753	67,519	67,650	66,324	66,325	65,718	65,718	65,718	0.0%	0.3%
Russia	46,000	50,205	49,084	47,759	47,759	47,152	47,152	47,152	0.0%	0.2%
Azerbaijan	515	665	1,917	1,917	1,917	1,917	1,917	1,917	0.0%	9.8%
Georgia	1	1	1	1	1	1	1	1	0.0%	-4.8%
Kazakhstan	1,389	1,830	1,830	1,830	1,830	1,830	1,830	1,830	0.0%	2.0%
Kyrgyzstan	1	1	1	1	1	1	1	1	0.0%	-4.8%
Tajikistan	1	1	1	1	1	1	1	1	0.0%	-4.8%
Turkmenistan	13,950	13,950	13,950	13,950	13,950	13,950	13,950	13,950	0.0%	0.0%
Uzbekistan	896	867	867	867	867	867	867	867	0.0%	-0.2%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	78,963	79,263	81,378	81,319	81,963	83,047	83,047	83,211	0.2%	0.4%
Bahrain	110	163	193	68	68	68	68	68	0.0%	-3.4%
Iran	33,090	33,500	33,988	33,988	33,988	33,988	33,988	33,988	0.0%	0.2%
Iraq	3,158	3,158	3,714	3,714	3,714	3,714	3,714	3,714	0.0%	1.2%
Israel	215	206	547	538	642	709	709	709	0.0%	8.9%
Jordan	6	6	6	6	6	6	6	6	0.0%	0.0%
Kuwait	1,784	1,784	1,784	1,784	1,784	1,784	1,784	1,784	0.0%	0.0%
Oman	520	705	674	673	673	673	673	690	2.5%	2.0%
Qatar	25,201	24,299	23,831	23,831	23,831	23,831	23,831	23,831	0.0%	-0.4%
Saudi Arabia	8,016	8,588	8,366	8,437	8,507	9,514	9,514	9,651	1.4%	1.3%
Syria	285	285	285	285	285	285	285	285	0.0%	0.0%
United Arab Emirates	6,090	6,090	7,726	7,730	8,200	8,210	8,210	8,220	0.1%	2.2%
Yemen	488	479	265	265	265	265	265	265	0.0%	-4.3%

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

Reserves

Countries^(*)

(billion cubic metres as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	14,450	14,587	15,894	15,844	15,933	15,819	15,819	15,915	0.6%	0.7%
Algeria	4,504	4,504	4,504	4,504	4,504	4,504	4,504	4,504	0.0%	0.0%
Angola	275	308	343	301	301	129	129	129	0.0%	-5.3%
Benin	1	0	1	1	1	1	1	1	0.0%	0.0%
Cameroon	155	154	170	179	176	173	173	173	0.0%	0.8%
Chad	1	1	1	1	1	1	1	1	0.0%	0.0%
Congo	127	285	284	284	284	284	284	284	0.0%	5.9%
Côte d'Ivoire	27	22	18	18	18	18	18	18	0.0%	-2.9%
Dem. Rep. Congo	1	1	1	1	1	1	1	1	0.0%	0.0%
Egypt	2,210	2,086	2,209	2,209	2,209	2,209	2,209	2,209	0.0%	0.0%
Equatorial Guinea	82	54	39	39	39	39	39	39	0.0%	-5.2%
Ethiopia	28	25	25	25	25	25	25	25	0.0%	-0.8%
Gabon	28	25	26	26	26	26	26	26	-0.1%	-0.5%
Ghana	27	27	55	53	51	48	48	48	0.0%	4.2%
Libya	1,495	1,505	1,505	1,505	1,505	1,505	1,505	1,505	0.0%	0.0%
Madagascar	2	2	2	2	2	2	2	2	0.0%	0.0%
Mauritania	28	28	50	50	50	50	50	50	0.0%	4.2%
Morocco	3	1	1	1	1	1	1	1	0.0%	-7.5%
Mozambique	75	75	650	650	650	650	650	650	0.0%	16.7%
Namibia	62	62	62	62	62	62	62	62	0.0%	0.0%
Nigeria	5,110	5,284	5,761	5,750	5,848	5,913	5,913	6,009	1.6%	1.2%
Senegal	10	2	52	52	52	52	52	52	0.0%	12.5%
Somalia	0	6	6	6	6	6	6	6	0.0%	
South Africa	12	3	2	1	1	1	1	1	0.0%	-16.5%
Sudan	85	25	25	25	25	25	25	25	0.0%	-8.4%
Tanzania	37	37	39	35	31	30	30	30	0.0%	-1.6%
Tunisia	65	65	64	64	64	64	64	64	0.0%	-0.1%

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

Reserves

Countries^(*)

(billion cubic metres as at 31st December)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	15,451	15,150	12,527	12,307	12,130	11,639	11,639	11,694	0.5%	-2.0%
Afghanistan	100	99	98	98	98	97	97	97	0.0%	-0.2%
Australia	3,759	3,205	2,846	2,844	2,844	2,844	2,844	2,844	0.0%	-2.0%
Bangladesh	354	385	300	284	263	243	243	146	-39.8%	-6.1%
Brunei	301	258	240	233	228	222	222	222	0.0%	-2.2%
China	2,244	2,791	2,834	2,922	2,892	2,887	2,887	3,054	5.8%	2.2%
India	1,098	1,252	1,381	1,372	1,372	1,139	1,139	1,142	0.3%	0.3%
Indonesia	3,068	2,865	1,233	1,118	1,028	902	902	876	-2.9%	-8.6%
Japan	37	31	26	24	23	23	23	23	0.0%	-3.3%
Malaysia	2,507	2,842	2,240	2,130	2,095	2,056	2,056	2,056	0.0%	-1.4%
Myanmar	522	282	248	240	232	224	224	224	0.0%	-5.9%
New Zealand	52	56	53	55	50	42	42	41	-1.9%	-1.7%
Pakistan	544	395	454	461	487	458	458	434	-5.2%	-1.6%
Papua New Guinea	263	216	205	192	204	194	194	194	0.0%	-2.2%
Philippines	68	53	35	32	30	28	28	28	0.0%	s-6.1%
South Korea	3	3	3	3	3	3	3	3	0.0%	-0.7%
Taiwan	4	3	3	2	2	2	2	2	11.3%	-5.3%
Thailand	300	207	138	112	97	97	97	129	33.2%	-5.8%
Vietnam	228	207	190	186	182	178	178	178	0.0%	-1.8%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	18,822	19,191	24,028	23,245	27,551	29,359	26,884	26,554	-1.2%	2.5%
Argentina	359	350	400	376	392	392	392	458	16.7%	1.7%
Barbados	2	2	1	1	1	1	1	1	-25.0%	-6.8%
Bolivia	281	305	200	192	183	175	175	175	0.0%	-3.3%
Brazil	417	429	365	338	379	406	406	517	27.3%	1.5%
Canada	1,977	2,118	2,471	2,471	2,471	2,471	2,471	2,471	0.0%	1.6%
Chile	8	6	8	8	10	10	10	10	0.0%	1.3%
Colombia	153	123	90	83	90	80	80	67	-15.9%	-5.7%
Cuba	14	9	8	8	7	7	7	7	0.0%	-4.7%
Ecuador	7	11	11	10	9	9	9	9	0.0%	1.9%
Mexico	353	257	183	201	211	211	211	245	15.8%	-2.6%
Peru	353	399	287	274	262	237	237	237	0.0%	-2.8%
Trinidad and Tobago	381	300	302	289	284	279	279	300	7.6%	-1.7%
United States ^(**)	8,996	9,184	14,029	13,404	17,711	19,570	17,095	16,582	-3.0%	4.5%
Venezuela	5,521	5,698	5,674	5,590	5,541	5,511	5,511	5,476	-0.6%	-0.1%

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

^(**) Data source: U.S. Energy Information Administration.

Production

Areas and Aggregates^(*)

(billion cubic metres)

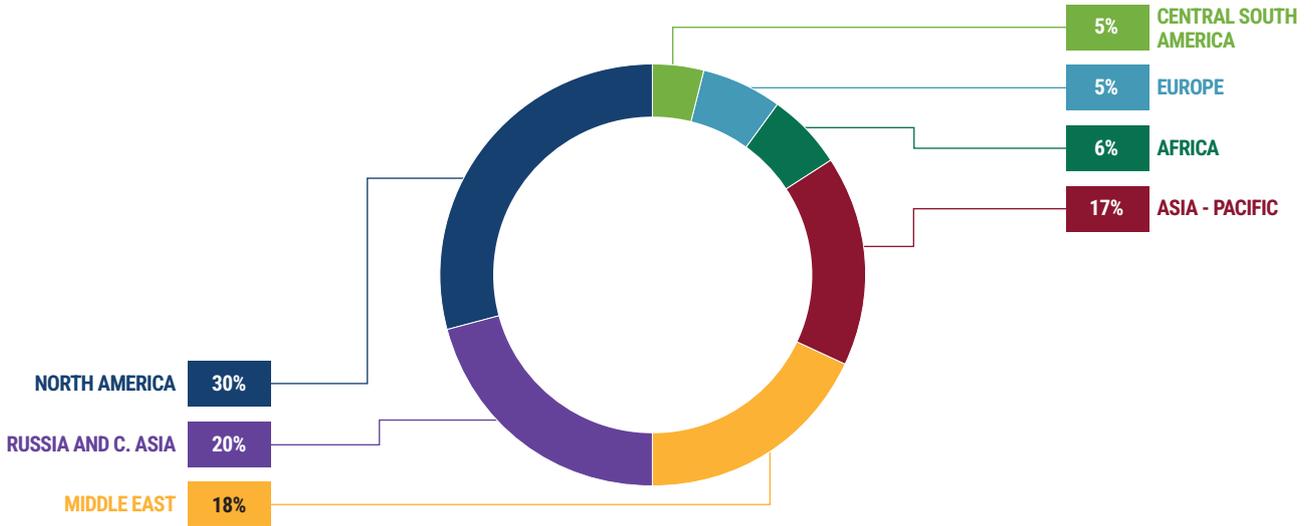
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	314.63	262.87	237.26	220.86	212.81	222.80	208.18	212.06	1.9%	-2.8%
Russia and Central Asia	772.28	781.59	884.00	836.32	931.99	847.44	796.76	835.22	4.8%	0.6%
Middle East	458.21	575.08	646.84	664.71	681.21	693.46	718.04	730.26	1.7%	3.4%
Africa	202.72	198.56	244.96	227.03	254.37	247.53	245.37	233.54	-4.8%	1.0%
Asia - Pacific	471.82	524.18	628.70	641.00	654.43	673.29	682.05	693.38	1.7%	2.8%
Americas	935.87	1,115.68	1,316.76	1,287.80	1,319.05	1,389.20	1,434.59	1,428.03	-0.5%	3.1%
- North America	729.36	901.34	1,114.96	1,096.46	1,130.59	1,194.08	1,239.65	1,233.23	-0.5%	3.8%
- Central South America	206.50	214.35	201.80	191.34	188.46	195.13	194.94	194.79	-0.1%	-0.4%
World	3,155.53	3,457.98	3,958.51	3,877.73	4,053.85	4,073.72	4,084.99	4,132.49	1.2%	1.9%
European Union 27	127.35	84.18	60.59	47.87	44.04	40.52	34.05	32.34	-5.0%	-9.3%
MENA	525.53	627.38	731.03	735.06	763.05	771.47	789.22	792.10	0.4%	3.0%
OECD	1,080.19	1,228.42	1,480.61	1,467.73	1,498.81	1,582.68	1,622.07	1,618.67	-0.2%	2.9%
NON OECD	2,075.34	2,229.56	2,477.91	2,410.00	2,555.04	2,491.05	2,462.92	2,513.82	2.1%	1.4%
OPEC	435.04	515.02	583.56	581.91	611.90	614.61	633.91	640.34	1.0%	2.8%
NON OPEC	2,720.49	2,942.96	3,374.96	3,295.82	3,441.96	3,459.12	3,451.08	3,492.15	1.2%	1.8%

^(*) Data source: Eni's calculations. The original data are from IEA (2025) *Extended Balances* and, for Italy, from Italian Ministry of Environment and Energy Security. All rights reserved.

Production

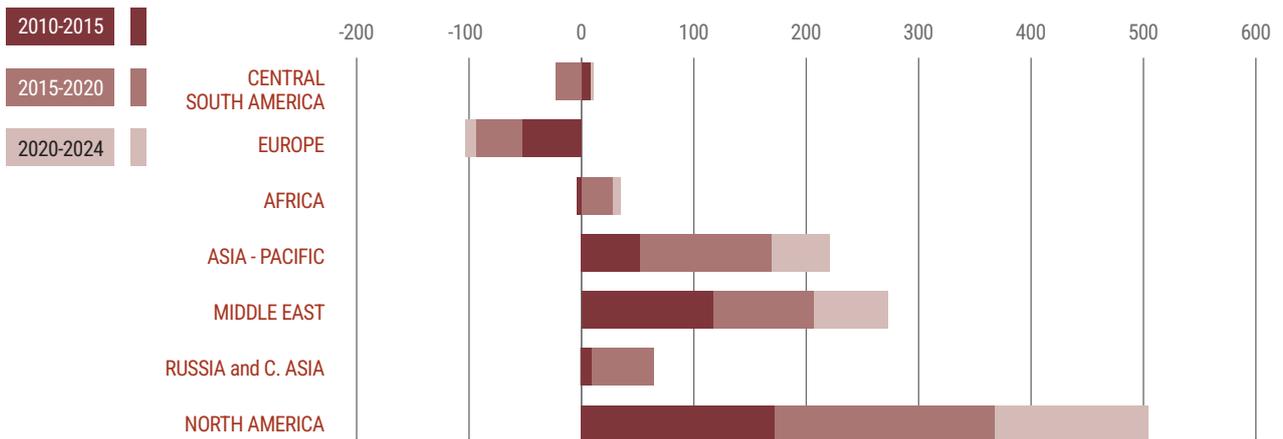
World Natural Gas Production (2024)

4,132.49 billion cubic metres



World Natural Gas Production Growth (2010-2024)

976.96 billion cubic metres



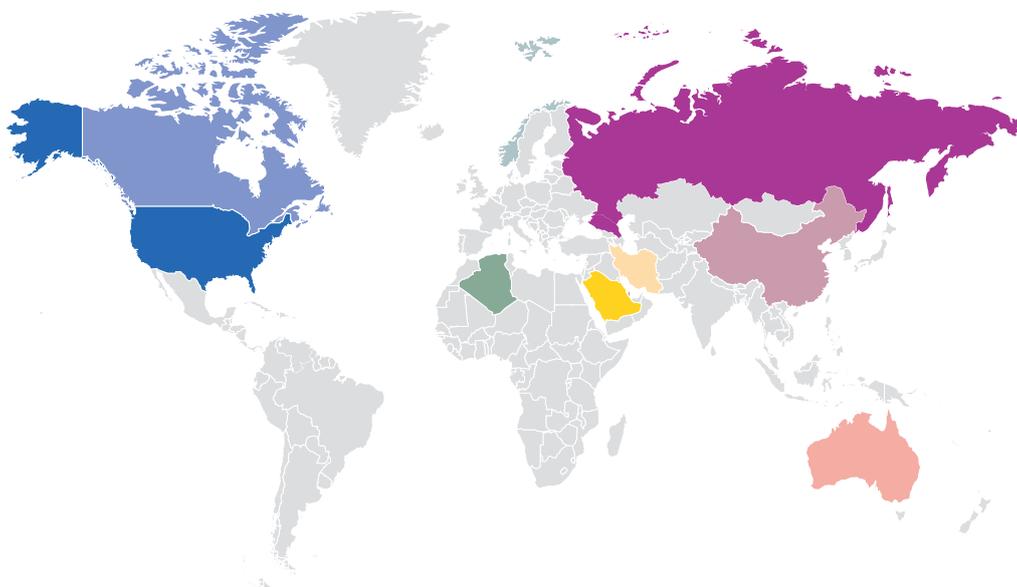
Production

The World's Top 10 Producers^(*)

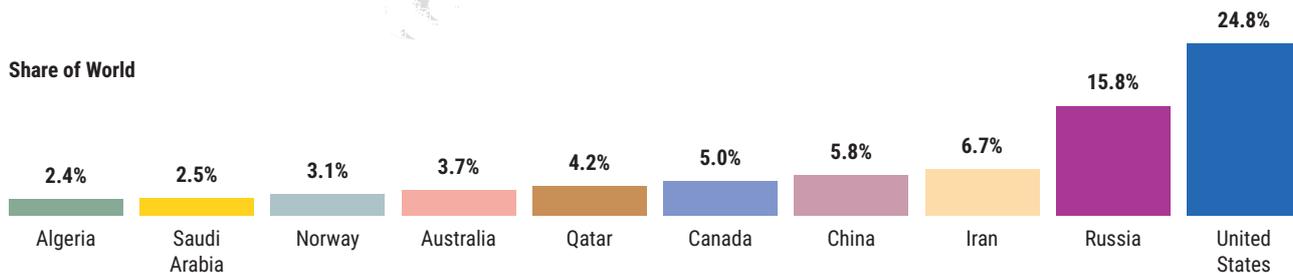
(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
United States	575.44	740.45	930.32	916.23	944.57	994.04	1,035.18	1,025.30	-1.0%	4.2%
Russia	628.20	609.79	692.66	654.47	743.27	658.54	609.48	651.82	6.9%	0.3%
Iran	141.56	181.12	234.98	252.87	256.78	259.01	271.59	276.48	1.8%	4.9%
China	93.23	131.01	171.47	187.35	202.04	214.23	226.22	239.86	6.0%	7.0%
Canada	153.92	160.89	184.64	180.22	186.02	200.04	204.47	207.93	1.7%	2.2%
Qatar	124.79	170.76	173.48	172.58	174.13	175.54	176.01	175.12	-0.5%	2.5%
Australia	51.73	67.66	137.04	147.82	142.66	153.19	154.49	152.72	-1.1%	8.0%
Norway	110.24	119.68	117.32	114.02	117.24	126.99	120.64	128.20	6.3%	1.1%
Saudi Arabia	69.66	82.89	93.27	93.85	95.86	100.60	101.12	102.64	1.5%	2.8%
Algeria	83.70	83.06	88.98	83.89	103.72	100.32	104.23	97.82	-6.1%	1.1%
The World's Top 10	2,032.48	2,347.31	2,824.15	2,803.31	2,966.29	2,982.49	3,003.43	3,057.90	1.8%	3.0%
Rest of the World	1,123.05	1,110.67	1,134.36	1,074.42	1,087.57	1,091.23	1,081.56	1,074.59	-0.6%	-0.3%
World	3,155.53	3,457.98	3,958.51	3,877.73	4,053.85	4,073.72	4,084.99	4,132.49	1.2%	1.9%

The World's Top 10 (2024)



Share of World



^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Production

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	314.63	262.87	237.26	220.86	212.81	222.80	208.18	212.06	1.9%	-2.8%
Albania	0.01	0.03	0.07	0.05	0.05	0.04	0.05	0.05	8.7%	9.8%
Austria	1.62	1.21	0.90	0.74	0.66	0.62	0.55	0.53	-4.8%	-7.8%
Belarus	0.16	0.17	0.15	0.15	0.15	0.15	-	-		-100.0%
Bulgaria	0.07	0.10	0.04	0.06	0.03	0.02	0.01	0.01	-12.6%	-13.8%
Croatia	2.58	1.71	0.99	0.82	0.73	0.73	0.71	0.67	-5.2%	-9.1%
Czech Republic	0.23	0.24	0.20	0.19	0.19	0.21	0.15	0.17	12.2%	-2.1%
Denmark	8.54	4.82	3.22	1.39	1.48	1.48	1.35	1.80	34.0%	-10.5%
France	0.75	0.02	0.02	0.02	0.02	0.02	0.02	0.01	-29.9%	-25.2%
Germany	12.92	7.37	5.09	4.69	4.50	4.20	3.73	3.41	-8.6%	-9.1%
Greece	0.01	0.01	0.01	0.01	0.00	-	0.00	0.00	-14.3%	-8.4%
Hungary	2.60	1.59	1.54	1.54	1.37	1.37	1.44	1.53	6.0%	-3.7%
Ireland	0.27	0.13	2.49	1.93	1.46	1.35	1.08	1.02	-6.2%	9.9%
Italy	8.01	6.45	4.62	3.82	3.18	2.96	2.58	2.47	-4.1%	-8.1%
Netherlands	75.27	45.88	27.75	20.09	18.02	14.98	9.85	8.05	-18.3%	-14.8%
Norway	110.24	119.68	117.32	114.02	117.24	126.99	120.64	128.20	6.3%	1.1%
Poland	4.29	4.28	3.99	3.95	3.88	3.80	3.67	3.59	-2.2%	-1.3%
Romania	10.02	10.22	9.53	8.51	8.55	8.66	8.81	9.00	2.1%	-0.8%
Serbia	0.36	0.53	0.41	0.38	0.34	0.30	0.29	0.27	-5.7%	-1.9%
Slovakia	0.10	0.09	0.12	0.06	0.06	0.05	0.05	0.04	-17.2%	-6.5%
Slovenia	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	-14.9%	-4.3%
Spain	0.05	0.06	0.14	0.05	0.04	0.03	0.03	0.02	-17.2%	-5.8%
Türkiye	0.65	0.36	0.45	0.42	0.38	0.36	0.77	2.16	179.9%	8.9%
Ukraine	17.95	17.26	18.98	18.44	17.70	16.36	17.95	18.34	2.2%	0.2%
United Kingdom	57.90	40.66	39.26	39.55	32.76	38.09	34.45	30.70	-10.9%	-4.4%

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Production

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	772.28	781.59	884.00	836.32	931.99	847.44	796.76	835.22	4.8%	0.6%
Russia	628.20	609.79	692.66	654.47	743.27	658.54	609.48	651.82	6.9%	0.3%
Azerbaijan	16.27	18.78	23.94	25.86	31.81	34.13	35.56	37.70	6.0%	6.2%
Georgia	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.7%	7.1%
Kazakhstan	28.62	27.14	33.50	30.61	26.70	26.96	30.65	29.52	-3.7%	0.2%
Kyrgyzstan	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03	9.1%	1.4%
Tajikistan	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-54.8%	-26.1%
Turkmenistan	42.91	79.28	82.12	78.34	79.35	78.34	76.36	73.50	-3.7%	3.9%
Uzbekistan	56.23	46.55	51.76	47.01	50.82	49.43	44.66	42.63	-4.5%	-2.0%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	458.21	575.08	646.84	664.71	681.21	693.46	718.04	730.26	1.7%	3.4%
Bahrain	12.29	14.15	15.66	15.76	16.04	15.15	16.57	16.74	1.0%	2.2%
Iran	141.56	181.12	234.98	252.87	256.78	259.01	271.59	276.48	1.8%	4.9%
Iraq	4.87	6.60	10.96	7.00	9.11	9.37	9.71	9.81	1.0%	5.1%
Israel	3.11	6.90	8.41	14.67	18.33	20.85	23.47	25.72	9.6%	16.3%
Jordan	0.16	0.12	0.10	0.15	0.19	0.16	0.18	0.18	0.0%	0.8%
Kuwait	11.14	16.06	16.48	15.58	15.01	15.89	17.90	18.81	5.1%	3.8%
Oman	27.64	32.89	38.53	37.78	40.49	42.37	43.80	45.99	5.0%	3.7%
Qatar	124.79	170.76	173.48	172.58	174.13	175.54	176.01	175.12	-0.5%	2.5%
Saudi Arabia	69.66	82.89	93.27	93.85	95.86	100.60	101.12	102.64	1.5%	2.8%
Syria	8.43	4.05	3.04	2.58	3.97	3.44	3.52	3.52	0.0%	-6.1%
United Arab Emirates	48.31	56.69	51.90	51.87	51.29	51.07	54.17	55.25	2.0%	1.0%
Yemen	6.26	2.86	0.02	0.02	0.02	0.02	0.02	0.02	0.0%	-33.7%

^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Production

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	202.72	198.56	244.96	227.03	254.37	247.53	245.37	233.54	-4.8%	1.0%
Algeria	83.70	83.06	88.98	83.89	103.72	100.32	104.23	97.82	-6.1%	1.1%
Angola	0.70	0.73	6.46	7.08	5.65	5.12	5.57	5.51	-1.0%	15.8%
Cameroon	0.30	0.48	2.24	2.26	2.21	2.28	2.37	2.23	-6.0%	15.4%
Congo	0.10	0.50	0.96	1.05	1.08	1.23	1.08	1.08	0.0%	18.7%
Côte d'Ivoire	1.54	1.96	2.16	2.22	2.35	2.53	2.69	2.55	-5.0%	3.7%
Egypt	53.97	36.39	64.73	59.91	67.54	64.28	56.89	47.34	-16.8%	-0.9%
Equatorial Guinea	6.21	7.07	6.40	5.72	6.69	7.70	6.42	6.95	8.3%	0.8%
Gabon	0.31	0.52	0.44	0.47	0.43	0.44	0.43	0.45	3.1%	2.6%
Ghana	-	0.70	1.55	2.51	2.84	3.11	3.03	3.32	9.6%	
Libya	15.97	15.76	17.19	8.12	11.63	11.23	12.06	12.75	5.7%	-1.6%
Morocco	0.05	0.08	0.09	0.09	0.10	0.07	0.05	0.04	-23.1%	-2.8%
Mozambique	3.12	4.74	4.76	4.63	4.69	6.73	11.02	12.55	13.9%	10.5%
Nigeria	30.91	41.50	43.87	44.14	41.01	37.81	34.93	36.82	5.4%	1.3%
Rwanda	0.00	0.01	0.06	0.05	0.06	0.06	0.08	0.08	0.0%	28.8%
Senegal	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.0%	-10.9%
South Africa	1.47	1.12	1.12	1.07	0.02	0.00	0.00	0.00	-6.2%	-36.2%
Tanzania	0.75	1.00	1.72	1.54	1.75	2.16	2.30	2.30	0.0%	8.4%
Tunisia	3.58	2.93	2.20	2.25	2.58	2.46	2.20	1.74	-20.9%	-5.0%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	471.82	524.18	628.70	641.00	654.43	673.29	682.05	693.38	1.7%	2.8%
Australia	51.73	67.66	137.04	147.82	142.66	153.19	154.49	152.72	-1.1%	8.0%
Bangladesh	19.28	24.55	26.55	24.41	24.60	23.25	22.11	20.49	-7.4%	0.4%
Brunei	11.94	10.95	10.67	10.36	9.46	9.01	8.45	9.00	6.5%	-2.0%
China	93.23	131.01	171.47	187.35	202.04	214.23	226.22	239.86	6.0%	7.0%
India	49.97	30.35	29.50	27.09	32.29	32.81	34.82	34.51	-0.9%	-2.6%
Indonesia	87.00	76.16	67.58	69.79	69.62	67.79	69.28	70.66	2.0%	-1.5%
Japan	3.73	2.76	2.43	2.26	2.23	2.08	1.95	1.94	-0.4%	-4.6%
Malaysia	59.32	67.27	71.46	64.51	70.40	77.37	76.94	79.63	3.5%	2.1%
Myanmar	11.83	17.18	17.49	16.93	17.35	15.19	13.67	12.92	-5.5%	0.6%
New Zealand	4.48	4.71	4.61	4.50	3.94	3.58	3.70	2.99	-19.2%	-2.9%
Pakistan	31.38	28.21	26.01	27.62	24.06	23.24	22.72	20.81	-8.4%	-2.9%
Philippines	3.55	3.34	4.25	3.85	3.30	3.06	2.20	1.74	-20.9%	-5.0%
South Korea	0.56	0.20	0.27	0.19	0.06	0.00	0.00	0.00		-100.0%
Taiwan	0.31	0.39	0.17	0.11	0.11	0.10	0.09	0.09	0.0%	-8.1%
Thailand	28.76	32.93	31.67	27.64	27.03	23.67	22.57	24.34	7.8%	-1.2%
Vietnam	9.45	9.19	9.93	8.61	7.34	8.87	7.53	6.37	-15.4%	-2.8%
Others Asia Pacific	5.29	17.32	17.58	17.96	17.96	15.86	15.29	15.29	0.0%	7.9%

^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Production

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	935.87	1,115.68	1,316.76	1,287.80	1,319.05	1,389.20	1,434.59	1,428.03	-0.5%	3.1%
Argentina	40.25	38.86	43.33	39.74	39.54	43.07	42.25	45.54	7.8%	0.9%
Bolivia	14.30	21.02	15.79	15.22	15.67	14.23	12.33	11.18	-9.3%	-1.7%
Brazil	15.34	24.42	27.00	25.12	25.27	23.57	23.80	23.65	-0.7%	3.1%
Canada	153.92	160.89	184.64	180.22	186.02	200.04	204.47	207.93	1.7%	2.2%
Chile	1.80	0.98	1.49	1.14	1.17	1.27	1.61	1.34	-16.4%	-2.1%
Colombia	10.96	12.07	12.16	11.83	11.02	10.89	10.63	9.82	-7.6%	-0.8%
Cuba	0.99	1.15	0.88	0.83	0.80	0.78	0.88	0.88	0.0%	-0.8%
Ecuador	0.49	0.65	0.48	0.41	0.43	0.38	0.35	0.37	8.0%	-1.9%
Mexico	49.52	39.97	31.89	36.35	36.85	38.64	41.42	40.03	-3.3%	-1.5%
Peru	8.87	14.76	15.08	13.54	12.79	15.41	15.47	15.25	-1.4%	3.9%
Trinidad and Tobago	41.67	37.20	35.55	29.80	25.64	26.92	25.92	25.22	-2.7%	-3.5%
United States	575.44	740.45	930.32	916.23	944.57	994.04	1,035.18	1,025.30	-1.0%	4.2%
Venezuela	22.28	23.24	18.12	17.34	19.28	19.94	20.27	21.49	6.0%	-0.3%
Others Americas	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.0%	-5.1%

^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Reserves/Production Ratio

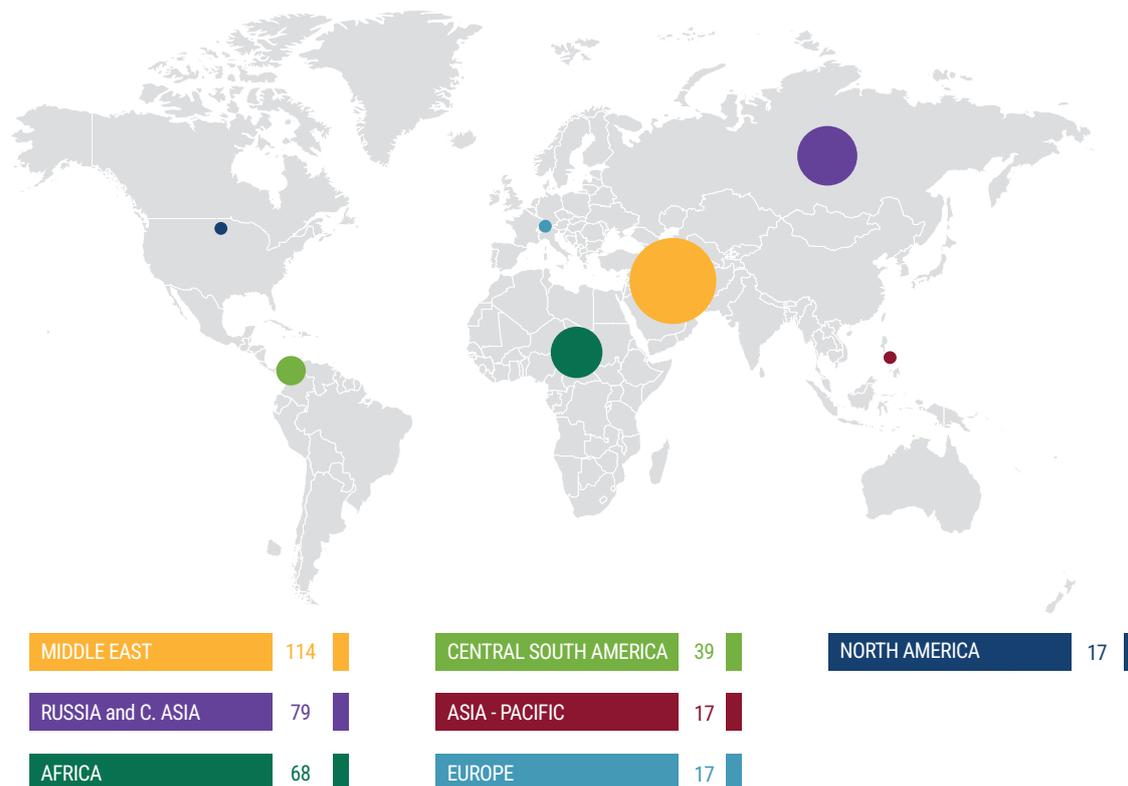
Areas and Aggregates^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	19	19	16	17	17	16	17	17
Russia and Central Asia	81	86	77	79	71	78	82	79
Middle East	172	138	126	122	120	120	116	114
Africa	71	73	65	70	63	64	64	68
Asia - Pacific	33	29	20	19	19	17	17	17
Americas	20	17	18	18	20	19	18	20
- North America	15	12	14	14	17	16	15	17
- Central South America	38	37	37	39	39	38	38	39
World	48	44	39	39	38	38	37	37
European Union 27	14	15	9	10	10	10	13	13
MENA	166	139	123	122	118	118	116	116
OECD	19	15	15	15	17	16	16	17
NON OECD	59	54	48	49	47	47	46	46
OPEC	158	136	125	126	120	122	118	117
NON OPEC	35	32	28	28	28	27	27	27

Reserves/Production Ratio (2024)

World: 51 years



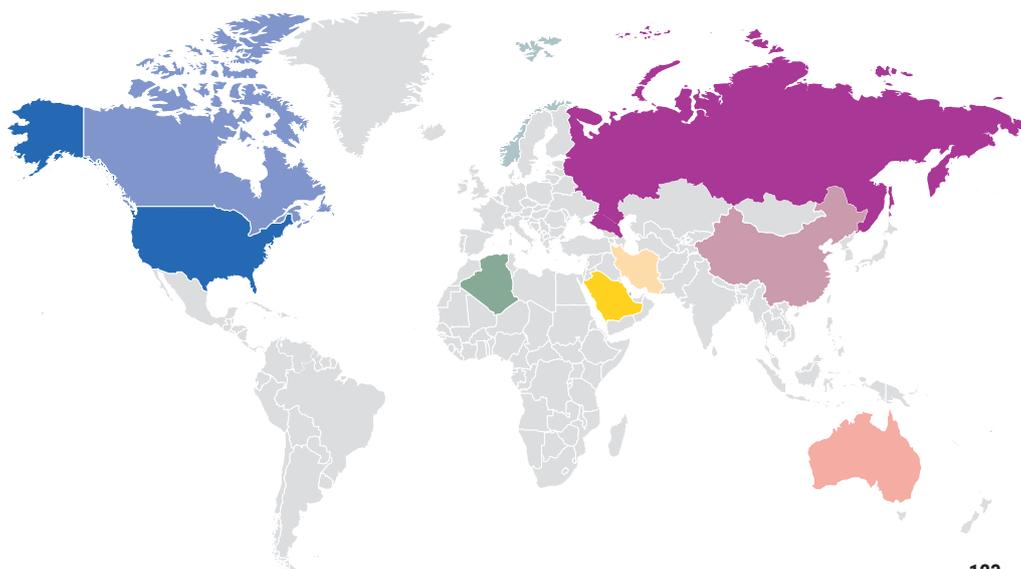
^(*) Data source: Eni's calculations on Enerdata Global Energy & CO₂ Data, IEA (2025) Extended Balances and other official data sources. All rights reserved.

Reserves/Production Ratio

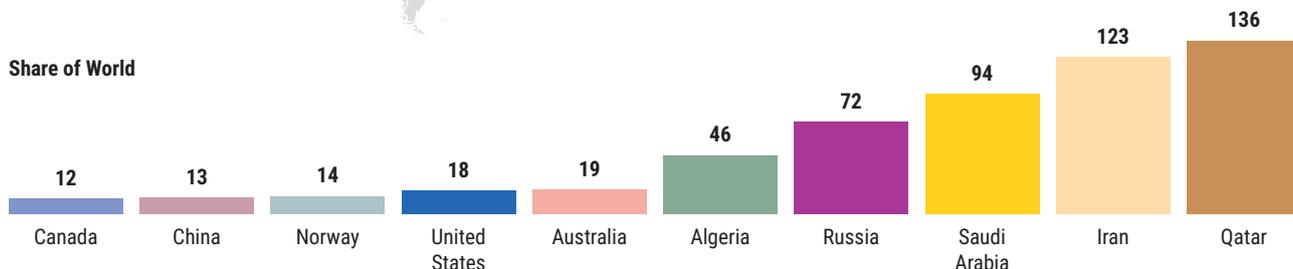
The World's Top 10 Producers Ranked by Reserves/Production Ratio^(*)
(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Qatar	202	142	137	138	137	136	135	136
Iran	234	185	145	134	132	131	125	123
Saudi Arabia	115	104	90	90	89	95	94	94
Russia	73	82	71	73	64	72	77	72
Algeria	54	54	51	54	43	45	43	46
Australia	73	47	21	19	20	19	18	19
United States	15	12	15	14	18	19	18	18
Norway	25	21	18	18	18	15	16	14
China	24	21	17	16	14	13	13	13
Canada	13	13	13	14	13	12	12	12

The World's Top 10 (2024)



Share of World



^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2025) *Extended Balances* and other official data sources. All rights reserved.

Reserves/Production Ratio

Countries^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	19	19	16	17	17	16	17	17
Albania	7	3	15	21	19	23	22	20
Austria	9	7	7	7	8	7	8	8
Belarus	6	3	3	3	3	3		
Bulgaria	73	45	112	76	134	240	420	480
Croatia	10	7	6	6	6	6	7	7
Czech Republic	13	14	16	17	17	15	21	19
Denmark	12	17	24	53	49	48	53	37
France	7	391	521	480	374	420	472	661
Germany	7	6	5	5	4	5	5	5
Greece	113	183	90	129	212		330	385
Hungary	5	5	3	3	4	4	4	4
Ireland	92	229	11	14	18	19	23	25
Italy ^(**)	8	8	10	12	13	13	16	17
Netherlands	16	18	5	5	5	5	7	9
Norway	25	21	18	18	18	15	16	14
Poland	17	14	21	21	22	23	24	25
Romania	11	10	8	9	9	8	8	8
Serbia	23	12	12	13	14	15	15	16
Slovakia	51	51	36	66	72	76	84	102
Slovenia	143	333	146	188	198	233	225	264
Spain	56	55	24	66	81	93	117	142
Türkiye	9	17	13	14	16	16	8	3
Ukraine	54	55	50	52	54	58	53	60
United Kingdom	9	8	7	6	6	5	5	5

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2025) *Extended Balances* and other official data sources. All rights reserved.

^(**) The original data are from Italian Ministry of Environment and Energy Security.

Reserves/Production Ratio

Countries^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Russia and Central Asia	81	86	77	79	71	78	82	79
Russia	73	82	71	73	64	72	77	72
Azerbaijan	32	35	80	74	60	56	54	51
Georgia	159	46	52	56	31	34	31	30
Kazakhstan	49	67	55	60	69	68	60	62
Kyrgyzstan	45	17	23	25	25	19	20	19
Tajikistan	46	128	826	823	722	722	722	1,596
Turkmenistan	325	176	170	178	176	178	183	190
Uzbekistan	16	19	17	18	17	18	19	20
	2010	2015	2019	2020	2021	2022	2023	2024
Middle East	172	138	126	122	120	120	116	114
Bahrain	9	12	12	4	4	4	4	4
Iran	234	185	145	134	132	131	125	123
Iraq	648	478	339	530	408	396	383	379
Israel	69	30	65	37	35	34	30	28
Jordan	38	51	62	41	32	38	34	34
Kuwait	160	111	108	115	119	112	100	95
Oman	19	21	17	18	17	16	15	15
Qatar	202	142	137	138	137	136	135	136
Saudi Arabia	115	104	90	90	89	95	94	94
Syria	34	70	94	110	72	83	81	81
United Arab Emirates	126	107	149	149	160	161	152	149
Yemen	78	168	13,221	13,221	13,221	13,221	13,221	13,221

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2025) *Extended Balances* and other official data sources. All rights reserved.

Reserves/Production Ratio

Countries^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Africa	71	73	65	70	63	64	64	68
Algeria	54	54	51	54	43	45	43	46
Angola	391	421	53	43	53	25	23	23
Cameroon	514	321	76	79	80	76	73	77
Congo	1,295	571	296	269	264	231	262	262
Côte d'Ivoire	18	11	8	8	8	7	7	7
Egypt	41	57	34	37	33	34	39	47
Equatorial Guinea	13	8	6	7	6	5	6	6
Gabon	90	48	59	55	61	60	60	58
Ghana	0	39	35	21	18	15	16	14
Libya	94	96	88	185	129	134	125	118
Morocco	57	13	11	12	10	15	22	29
Mozambique	24	16	137	140	139	97	59	52
Nigeria	165	127	131	130	143	156	169	163
Senegal	402	85	2,958	3,203	7,360	10,441	10,442	10,442
South Africa	8	2	2	1	58	306	334	356
Tanzania	49	37	23	23	18	14	13	13
Tunisia	18	22	29	28	25	26	29	37

	2010	2015	2019	2020	2021	2022	2023	2024
Asia - Pacific	33	29	20	19	19	17	17	17
Australia	73	47	21	19	20	19	18	19
Bangladesh	18	16	11	12	11	10	11	7
Brunei	25	24	23	23	24	25	26	25
China	24	21	17	16	14	13	13	13
India	22	41	47	51	42	35	33	33
Indonesia	35	38	18	16	15	13	13	12
Japan	10	11	11	11	10	11	12	12
Malaysia	42	42	31	33	30	27	27	26
Myanmar	44	16	14	14	13	15	16	17
New Zealand	12	12	12	12	13	12	11	14
Pakistan	17	14	17	17	20	20	20	21
Philippines	19	16	8	8	9	9	13	16
South Korea	5	15	11	15	48			
Taiwan	12	7	15	15	14	15	16	18
Thailand	10	6	4	4	4	4	4	5
Vietnam	24	23	19	22	25	20	24	28

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2025) *Extended Balances* and other official data sources. All rights reserved.

Reserves/Production Ratio

Countries^(*)

(years)

	2010	2015	2019	2020	2021	2022	2023	2024
Americas	20	17	18	18	20	19	18	20
Argentina	9	9	9	9	10	9	9	10
Bolivia	20	15	13	13	12	12	14	16
Brazil	27	18	14	13	15	17	17	22
Canada	13	13	13	14	13	12	12	12
Chile	5	6	5	7	9	8	6	7
Colombia	14	10	7	7	8	7	7	7
Cuba	14	8	9	9	9	9	8	8
Ecuador	14	17	22	25	21	24	26	24
Mexico	7	6	6	6	6	5	5	6
Peru	40	27	19	20	20	15	15	16
Trinidad and Tobago	9	8	8	10	11	10	11	12
United States	15	12	14	14	18	17	16	18
Venezuela	248	245	313	322	287	276	272	255

^(*) Data source: Eni's calculations on Enerdata *Global Energy & CO₂ Data*, IEA (2025) *Extended Balances* and other official data sources. All rights reserved.

Consumption

Areas and Aggregates^(*)

(billion cubic metres)

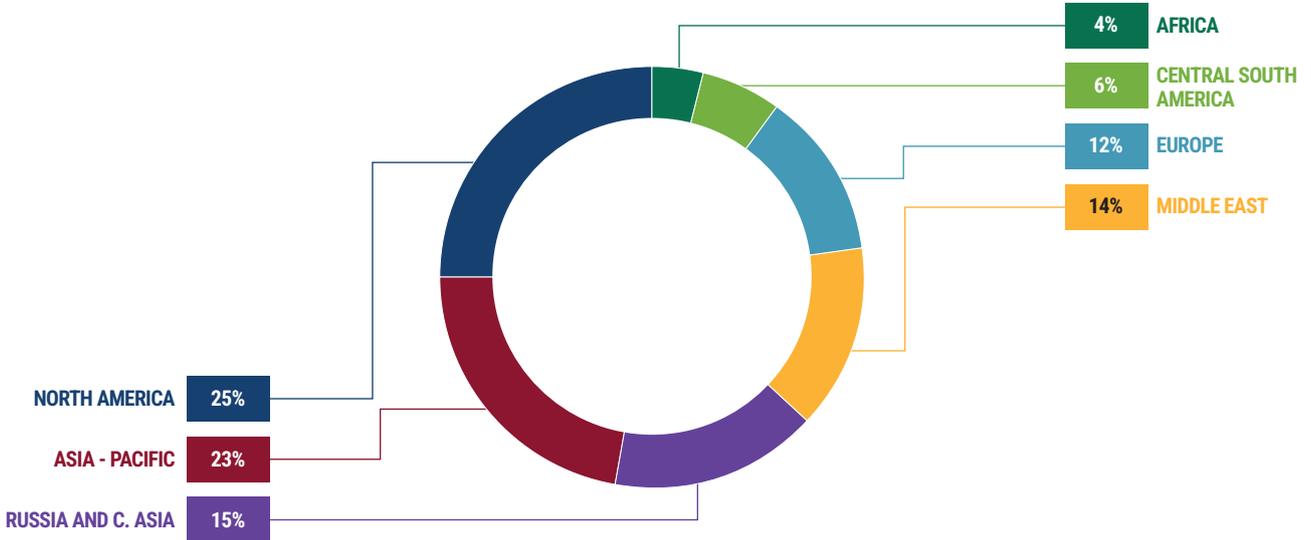
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	658.52	526.22	572.15	556.22	586.42	513.86	475.03	479.66	1.0%	-2.2%
Russia and Central Asia	549.48	507.51	548.07	550.55	640.95	615.65	603.32	628.30	4.1%	1.0%
Middle East	361.50	454.99	515.74	537.74	549.60	555.42	582.73	594.90	2.1%	3.6%
Africa	102.94	129.61	161.09	148.20	164.93	166.24	166.55	166.01	-0.3%	3.5%
Asia - Pacific	564.71	685.34	817.62	840.96	888.92	881.17	905.40	948.13	4.7%	3.8%
Americas	945.52	1,096.33	1,240.37	1,197.11	1,217.01	1,269.63	1,270.01	1,305.00	2.8%	2.3%
- North America	738.16	850.30	1,000.04	966.97	971.36	1,035.27	1,029.08	1,042.74	1.3%	2.5%
- Central South America	207.37	246.02	240.32	230.20	245.65	234.36	240.93	262.26	8.9%	1.7%
World	3,182.66	3,399.99	3,855.03	3,830.78	4,047.83	4,001.97	4,003.04	4,122.01	3.0%	1.9%
European Union 27	421.92	344.29	389.51	379.75	394.19	341.99	316.88	318.37	0.5%	-2.0%
MENA	415.47	512.86	594.85	604.63	627.97	631.85	659.68	673.04	2.0%	3.5%
OECD	1,416.35	1,494.12	1,694.88	1,657.99	1,677.84	1,685.36	1,658.30	1,691.58	2.0%	1.3%
NON OECD	1,766.31	1,905.88	2,160.15	2,172.79	2,369.99	2,316.61	2,344.74	2,430.43	3.7%	2.3%
OPEC	358.39	451.52	510.83	521.65	540.17	550.17	574.02	585.25	2.0%	3.6%
NON OPEC	2,824.27	2,948.47	3,344.20	3,309.13	3,507.66	3,451.80	3,429.02	3,536.76	3.1%	1.6%

^(*) Data source: Eni's calculations. The original data are from IEA (2024) *Extended Balances* and, for Italy, from Italian Ministry for Environment and Energy Security. All rights reserved.

Consumption

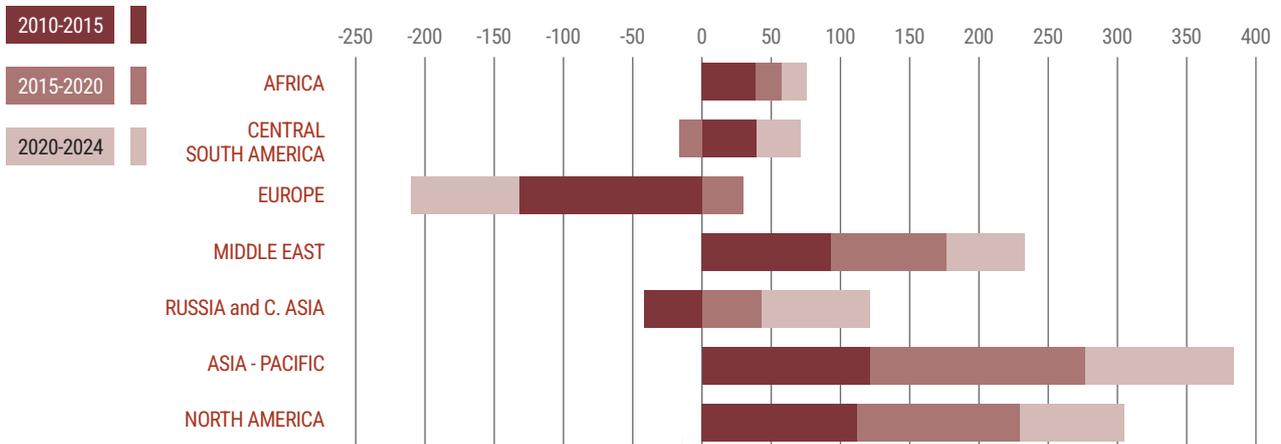
World Natural Gas Consumption (2024)

4,122.01 billion cubic metres



World Natural Gas Consumption Growth (2010-2024)

938.24 billion cubic metres



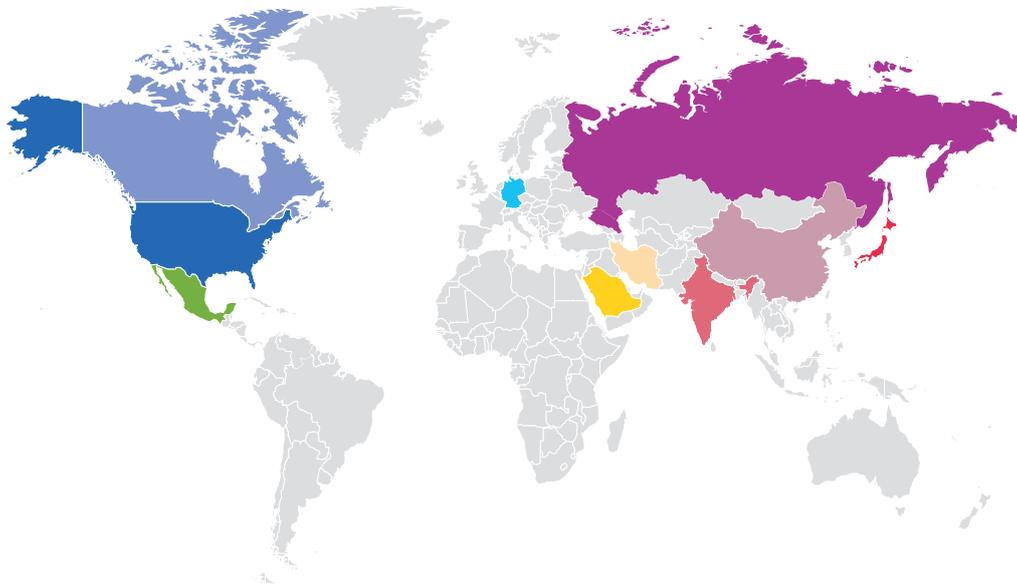
Consumption

The World's Top 10 Consumers^(*)

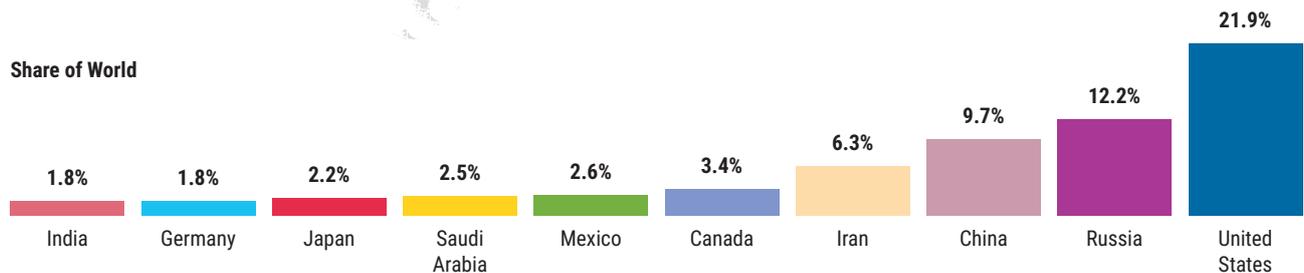
(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
United States	646.72	751.89	863.29	836.24	840.96	897.00	890.08	904.48	1.6%	-1.8%
Russia	446.06	423.63	444.41	443.71	516.52	492.31	480.55	503.49	4.8%	-0.7%
China	103.95	184.44	288.63	308.37	347.82	345.83	370.82	399.54	7.7%	-7.2%
Iran	142.06	180.63	218.18	236.48	240.30	240.81	256.24	260.68	1.7%	-3.3%
Canada	91.44	98.41	136.75	130.67	130.40	138.27	139.00	138.26	-0.5%	-2.3%
Mexico	63.08	75.20	79.84	81.80	84.28	82.45	90.32	107.90	19.5%	-2.9%
Saudi Arabia	69.66	82.89	93.27	93.85	95.86	100.60	101.12	102.64	1.5%	-2.1%
Japan	100.02	116.83	106.99	107.18	100.86	96.31	92.81	90.56	-2.4%	0.6%
Germany	88.28	75.77	87.95	86.76	89.76	77.65	74.50	75.75	1.7%	0.9%
India	63.27	52.48	63.20	61.76	64.61	60.29	67.73	72.50	7.0%	-0.8%
The World's Top 10	1,814.53	2,042.18	2,382.51	2,386.82	2,511.36	2,531.51	2,563.18	2,655.79	3.6%	-2.1%
Rest of the World	1,368.13	1,357.81	1,472.52	1,443.96	1,536.46	1,470.46	1,439.86	1,466.22	1.8%	-0.4%
World	3,182.66	3,399.99	3,855.03	3,830.78	4,047.83	4,001.97	4,003.04	4,122.01	3.0%	-1.4%

The World's Top 10 (2024)



Share of World



^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Consumption

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	658.52	526.22	572.15	556.22	586.42	513.86	475.03	479.66	1.0%	-2.2%
Albania	0.01	0.03	0.07	0.05	0.05	0.04	0.05	0.05	8.7%	9.8%
Austria	9.45	8.03	8.93	8.51	8.99	8.01	6.85	6.78	-1.1%	-2.3%
Belarus	21.06	18.41	18.99	17.54	17.93	17.24	15.59	14.94	-4.2%	-2.4%
Belgium	19.48	16.22	17.69	17.59	17.66	15.03	14.15	13.80	-2.5%	-2.4%
Bosnia Herzegovina	0.23	0.21	0.22	0.20	0.24	0.23	0.21	0.21	0.4%	-0.6%
Bulgaria	2.68	3.02	2.84	2.93	3.30	2.70	2.53	2.71	7.4%	0.1%
Croatia	3.06	2.42	2.80	2.94	2.83	2.48	2.66	2.45	-8.1%	-1.6%
Czech Republic	9.38	7.54	8.32	8.46	9.07	7.38	6.69	6.68	-0.2%	-2.4%
Denmark	5.14	3.32	2.94	2.46	2.24	1.69	1.54	1.56	1.1%	-8.2%
Estonia	0.65	0.45	0.44	0.40	0.46	0.34	0.29	0.32	8.0%	-5.0%
Finland	4.46	2.60	2.47	2.46	2.47	1.28	1.47	1.60	9.1%	-7.0%
France	49.56	40.75	43.66	40.58	43.04	38.64	34.06	31.86	-6.4%	-3.1%
Germany	88.28	75.77	87.95	86.76	89.76	77.65	74.50	75.75	1.7%	-1.1%
Greece	3.76	3.11	5.22	5.73	6.34	5.12	4.62	6.05	30.9%	3.5%
Hungary	11.42	8.71	9.84	10.19	10.81	9.19	8.21	8.26	0.5%	-2.3%
Ireland	5.47	4.37	5.30	5.31	5.08	5.19	4.81	4.95	2.9%	-0.7%
Italy	79.15	64.32	73.22	65.74	69.73	70.16	58.53	58.88	0.6%	-2.1%
Latvia	1.70	1.28	1.28	1.06	1.12	0.80	0.80	0.84	4.9%	-4.9%
Lithuania	2.90	2.40	2.17	2.29	2.18	1.49	1.45	1.76	21.4%	-3.5%
Luxembourg	1.39	0.89	0.80	0.72	0.78	0.61	0.57	0.60	5.3%	-5.8%
Malta	-	-	0.36	0.37	0.37	0.38	0.39	0.36	-7.1%	
Moldova	2.69	2.48	2.55	2.54	2.76	2.09	1.67	2.04	22.3%	-1.9%
Netherlands	46.60	33.30	37.29	36.58	35.08	27.17	25.80	26.15	1.3%	-4.0%
North Macedonia	0.11	0.13	0.28	0.33	0.41	0.28	0.35	0.33	-7.5%	8.0%
Norway	7.42	7.21	5.79	5.28	5.83	4.64	5.31	4.65	-12.4%	-3.3%
Poland	14.89	16.02	18.87	19.90	21.20	17.50	18.33	19.74	7.7%	2.0%
Portugal	5.22	4.71	6.14	6.03	5.76	5.58	4.43	3.68	-16.9%	-2.5%
Romania	12.55	10.37	10.67	11.15	11.45	9.61	9.02	9.54	5.7%	-1.9%
Serbia	2.16	2.04	2.32	2.31	2.78	2.69	2.62	2.65	1.1%	1.5%
Slovakia	5.82	4.51	4.75	4.75	5.29	4.41	4.20	4.35	3.5%	-2.1%
Slovenia	1.00	0.77	0.86	0.86	0.90	0.79	0.77	0.86	11.6%	-1.1%
Spain	36.20	28.54	35.93	32.48	34.21	32.96	29.34	27.99	-4.6%	-1.8%
Sweden	1.70	0.84	1.10	1.46	1.17	0.73	0.84	0.88	5.8%	-4.6%
Switzerland	3.50	3.32	3.41	3.32	3.61	2.97	2.75	2.79	1.4%	-1.6%
Türkiye	36.51	45.80	43.08	46.19	57.12	48.88	48.15	51.00	5.9%	2.4%
Ukraine	64.26	30.33	27.19	27.73	27.80	17.90	18.87	21.30	12.9%	-7.6%
United Kingdom	98.64	71.97	76.40	73.02	76.56	69.98	62.58	61.31	-2.0%	-3.3%

^(*) Data source: Eni's calculations. The original data are from IEA (2025) *Extended Balances* and, for Italy, from Italian Ministry for Environment and Energy Security. All rights reserved.

Consumption

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	549.48	507.51	548.07	550.55	640.95	615.65	603.32	628.30	4.1%	1.0%
Russia	446.06	423.63	444.41	443.71	516.52	492.31	480.55	503.49	4.8%	0.9%
Armenia	1.50	2.25	2.48	2.49	2.72	2.82	2.62	2.62	0.1%	4.1%
Azerbaijan	9.13	11.15	12.26	12.37	12.82	13.62	14.00	13.52	-3.5%	2.8%
Georgia	1.18	2.41	2.70	2.70	2.80	3.36	3.36	3.04	-9.5%	7.0%
Kazakhstan	25.95	12.34	23.40	23.46	19.73	21.01	22.96	24.27	5.7%	-0.5%
Kyrgyzstan	0.29	0.27	0.31	0.33	0.39	0.43	0.45	0.56	24.2%	4.9%
Tajikistan	0.19	0.00	0.23	0.23	0.24	0.19	0.18	0.27	49.4%	2.6%
Turkmenistan	20.17	20.07	20.91	21.76	36.73	35.43	33.74	36.09	7.0%	4.2%
Uzbekistan	45.01	35.40	41.37	43.50	49.01	46.48	45.46	44.44	-2.3%	-0.1%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	361.50	454.99	515.74	537.74	549.60	555.42	582.73	594.90	2.1%	3.6%
Bahrain	12.29	14.15	15.66	15.76	16.04	15.15	16.57	16.74	1.0%	2.2%
Iran	142.06	180.63	218.18	236.48	240.30	240.81	256.24	260.68	1.7%	4.4%
Iraq	4.87	6.60	16.77	17.84	18.36	18.33	19.60	18.82	-4.0%	10.1%
Israel	5.12	7.01	8.95	11.27	11.73	12.14	12.45	13.29	6.8%	7.0%
Jordan	2.66	2.26	3.92	3.74	3.80	4.08	3.53	3.75	6.1%	2.5%
Kuwait	13.79	19.86	21.42	21.42	22.32	24.04	26.23	28.16	7.4%	5.2%
Lebanon	0.25	-	-	-	-	-	-	-		
Oman	17.33	24.52	26.60	26.08	28.13	28.61	29.90	31.00	3.7%	4.2%
Qatar	26.03	42.54	44.43	44.12	45.93	45.22	46.86	46.03	-1.8%	4.2%
Saudi Arabia	69.66	82.89	93.27	93.85	95.86	100.60	101.12	102.64	1.5%	2.8%
Syria	9.08	4.05	3.04	2.58	3.97	3.44	3.52	3.52	0.0%	-6.6%
United Arab Emirates	57.39	69.53	63.47	64.57	63.13	62.98	66.69	70.27	5.4%	1.5%
Yemen	0.95	0.96	0.02	0.02	0.02	0.02	0.02	0.02	0.0%	-24.1%

^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Consumption

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	102.94	129.61	161.09	148.20	164.93	166.24	166.55	166.01	-0.3%	3.5%
Algeria	27.12	40.14	46.64	45.04	49.25	51.52	52.54	48.80	-7.1%	4.3%
Angola	0.70	0.73	1.24	1.17	1.13	1.13	1.13	1.10	-2.4%	3.3%
Benin	-	0.03	0.05	0.16	0.18	0.15	0.15	0.15	0.0%	
Cameroon	0.30	0.48	0.67	0.86	0.70	0.62	0.49	0.62	24.9%	5.2%
Congo	0.10	0.50	0.96	1.05	1.08	1.23	1.08	1.08	0.0%	18.7%
Côte d'Ivoire	1.54	1.96	2.16	2.22	2.35	2.53	2.69	2.55	-5.0%	3.7%
Dem. Rep. Congo	0.02	0.00	-	-	-	-	-	-		
Egypt	41.65	42.77	59.91	56.14	62.46	61.04	60.26	59.92	-0.6%	2.6%
Equatorial Guinea	1.50	1.78	1.96	1.78	2.24	2.25	2.25	2.58	14.6%	3.9%
Gabon	0.31	0.52	0.44	0.47	0.43	0.44	0.43	0.45	3.1%	2.6%
Ghana	0.41	1.24	2.22	3.15	3.34	3.63	3.65	4.07	11.5%	17.8%
Libya	6.71	9.00	11.77	3.85	8.57	8.76	9.67	11.42	18.1%	3.9%
Morocco	0.66	1.18	1.02	0.79	0.79	0.22	0.89	0.90	1.6%	2.2%
Mozambique	0.08	0.86	0.88	0.84	0.92	1.09	1.14	1.38	20.6%	22.7%
Nigeria	10.63	16.49	17.84	17.94	19.36	19.28	17.89	18.86	5.4%	4.2%
Rwanda	0.00	0.01	0.06	0.05	0.06	0.06	0.08	0.08	0.0%	28.8%
Senegal	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.0%	-10.7%
South Africa	4.51	4.99	5.00	4.86	3.61	3.52	3.61	3.69	2.4%	-1.4%
Tanzania	0.75	1.00	1.72	1.54	1.75	2.16	2.30	2.30	0.0%	8.4%
Tunisia	5.91	5.88	6.43	6.14	6.57	6.42	6.16	5.92	-3.9%	0.0%
Others Africa	-	0.02	0.11	0.11	0.14	0.17	0.14	0.14	0.0%	

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Consumption

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	564.71	685.34	817.62	840.96	888.92	881.17	905.40	948.13	4.7%	3.8%
Australia	32.69	38.62	37.56	41.16	40.52	41.77	42.19	41.51	-1.6%	1.7%
Bangladesh	19.28	24.55	29.76	30.02	30.54	29.89	27.72	26.60	-4.1%	2.3%
Brunei	3.11	2.49	3.03	2.71	2.71	3.24	2.82	3.06	8.6%	-0.1%
China	103.95	184.44	288.63	308.37	347.82	345.83	370.82	399.54	7.7%	10.1%
Hong Kong	3.64	3.09	3.16	4.79	4.79	4.71	4.57	4.55	-0.6%	1.6%
India	63.27	52.48	63.20	61.76	64.61	60.29	67.73	72.50	7.0%	1.0%
Indonesia	45.15	43.74	45.11	47.68	49.61	48.56	50.18	51.70	3.0%	1.0%
Japan	100.02	116.83	106.99	107.18	100.86	96.31	92.81	90.56	-2.4%	-0.7%
Malaysia	36.28	43.66	45.62	42.56	49.60	53.31	51.37	55.51	8.0%	3.1%
Myanmar	1.49	3.52	3.08	3.54	3.99	3.97	3.75	3.66	-2.3%	6.6%
New Zealand	4.33	4.77	4.62	4.49	3.83	3.67	3.72	2.95	-20.9%	-2.7%
Pakistan	31.40	30.89	34.57	37.15	33.39	33.74	33.74	32.91	-2.4%	0.3%
Philippines	3.55	3.34	4.25	3.85	3.30	3.06	2.97	3.35	12.8%	-0.4%
Singapore	7.55	9.94	10.62	10.73	11.14	11.02	11.47	12.47	8.7%	3.6%
South Korea	43.63	46.01	56.39	56.43	62.38	61.85	59.37	64.45	8.6%	2.8%
Taiwan	17.13	22.36	25.55	27.59	30.02	31.11	30.66	32.91	7.3%	4.8%
Thailand	38.34	44.80	44.78	41.19	41.33	38.85	40.83	42.40	3.8%	0.7%
Vietnam	9.45	9.19	9.93	8.61	7.34	8.87	7.53	6.37	-15.4%	-2.8%
Others Asia Pacific	0.44	0.63	0.77	1.15	1.14	1.11	1.14	1.14	0.0%	7.1%

^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Consumption

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	945.52	1,096.33	1,240.37	1,197.11	1,217.01	1,269.63	1,270.01	1,305.00	2.8%	2.3%
Argentina	43.26	49.89	49.71	46.57	46.68	46.51	44.85	45.68	1.9%	0.4%
Bolivia	2.89	3.88	4.13	3.36	3.82	4.11	4.44	5.18	16.5%	4.3%
Brazil	28.28	43.25	37.04	34.96	42.72	32.56	30.42	31.91	4.9%	0.9%
Canada	91.44	98.41	136.75	130.67	130.40	138.27	139.00	138.26	-0.5%	3.0%
Chile	5.20	4.63	6.12	5.61	6.14	6.51	6.84	6.39	-6.6%	1.5%
Colombia	9.57	11.74	12.31	12.17	11.06	10.95	11.19	11.07	-1.1%	1.0%
Cuba	0.99	1.15	0.88	0.83	0.80	0.78	0.88	0.88	0.0%	-0.8%
Dominican Republic	0.79	1.09	1.29	1.41	1.74	1.29	1.83	2.20	20.2%	7.6%
Ecuador	0.49	0.65	0.48	0.41	0.43	0.38	0.35	0.37	8.0%	-1.9%
El Salvador	-	-	-	-	0.00	0.20	0.47	0.47	0.0%	
Jamaica	-	-	0.27	0.67	0.69	0.65	0.81	0.73	-9.7%	
Mexico	63.08	75.20	79.84	81.80	84.28	82.45	90.32	107.90	19.5%	3.9%
Panama	-	-	0.80	0.43	0.52	0.24	0.48	0.85	77.6%	
Peru	6.39	9.17	8.85	7.44	8.83	10.05	10.56	10.23	-3.1%	3.4%
Trinidad and Tobago	21.35	20.16	18.51	15.75	16.62	16.25	15.60	15.28	-2.0%	-2.4%
United States	646.72	751.89	863.29	836.24	840.96	897.00	890.08	904.48	1.6%	2.4%
Uruguay	0.07	0.05	0.09	0.07	0.08	0.08	0.08	0.09	14.2%	1.1%
Venezuela	24.23	23.60	18.12	17.34	19.28	19.94	20.27	21.49	6.0%	-0.9%
Others Americas	0.77	1.55	1.88	1.38	1.96	1.40	1.53	1.53	0.0%	5.0%

^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

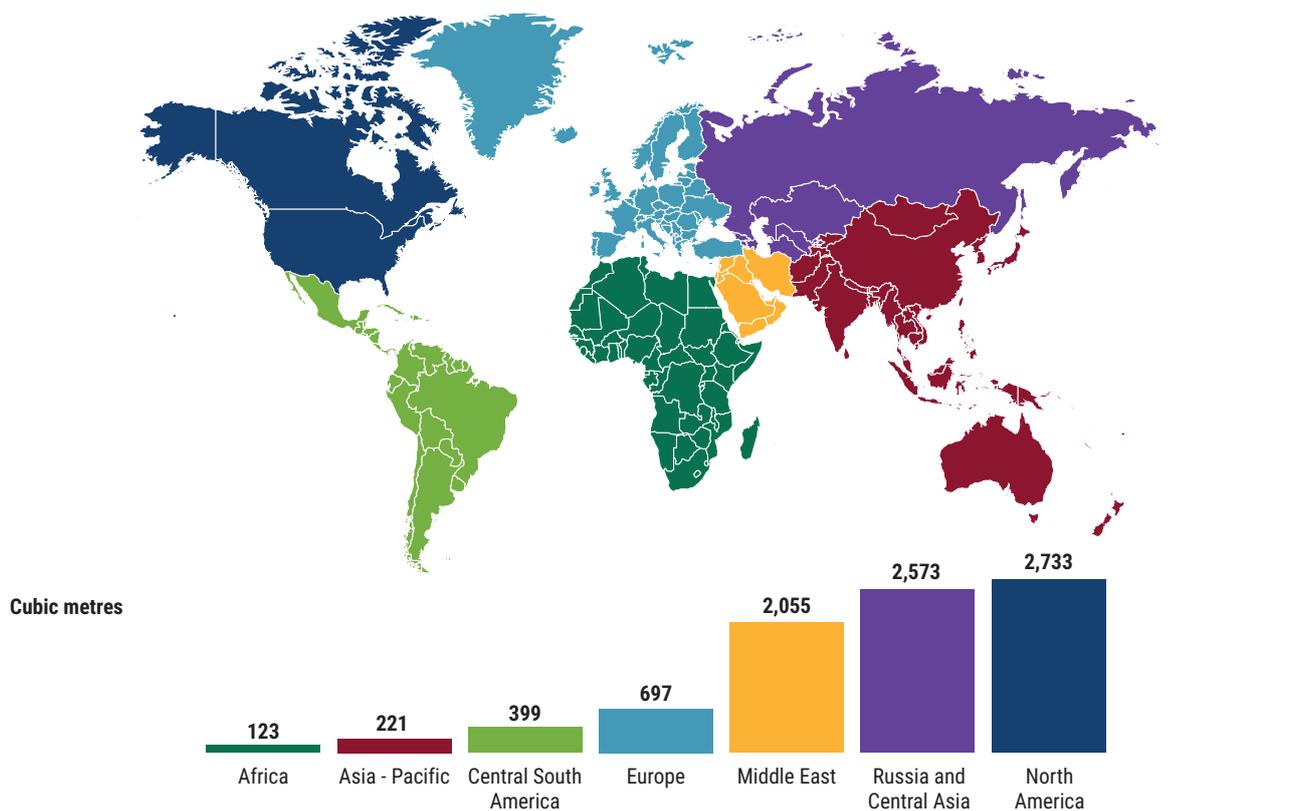
Per Capita Consumption

Areas and Aggregates^(*)

(cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	987	775	831	806	850	746	691	697
Russia and Central Asia	2,455	2,193	2,299	2,297	2,664	2,545	2,480	2,573
Middle East	1,658	1,855	1,968	2,021	2,033	2,008	2,056	2,055
Africa	108	119	134	121	131	129	126	123
Asia - Pacific	147	170	196	200	210	208	212	221
Americas	1,020	1,129	1,235	1,185	1,199	1,243	1,233	1,257
- North America	2,143	2,375	2,715	2,614	2,618	2,770	2,725	2,733
- Central South America	356	401	378	360	381	362	369	399
World	453	455	493	485	508	498	494	504
European Union 27	957	775	870	848	880	761	703	707
MENA	1,258	1,400	1,527	1,531	1,569	1,550	1,586	1,590
OECD	1,226	1,257	1,395	1,359	1,373	1,373	1,343	1,364
NON OECD	301	303	327	325	352	340	341	350
OPEC	921	1,028	1,085	1,091	1,112	1,112	1,138	1,140
NON OPEC	425	419	455	446	469	458	451	461

Per Capita Consumption (2024)



^(*)Data source: Eni's calculations on IEA (2025) *Extended Balances*, Italian Ministry for Environment and Energy Security and S&P Global data. All rights reserved.

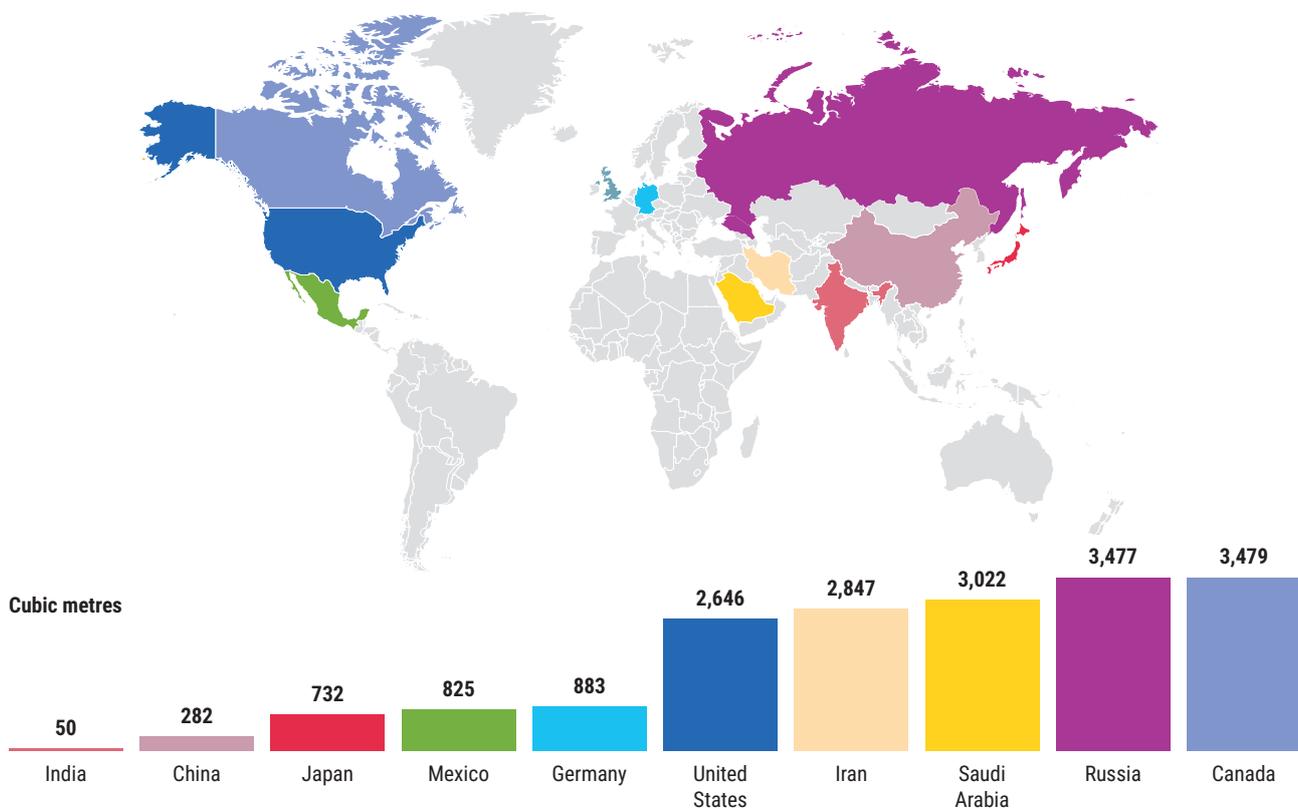
Per Capita Consumption

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

(cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Canada	2,674	2,737	3,619	3,423	3,391	3,562	3,537	3,479
Russia	3,099	2,915	3,033	3,031	3,542	3,382	3,304	3,477
Saudi Arabia	2,769	2,765	3,061	3,028	3,060	3,127	3,040	3,022
Iran	1,835	2,186	2,506	2,696	2,717	2,690	2,828	2,847
United States	2,085	2,335	2,612	2,521	2,529	2,679	2,630	2,646
Germany	1,092	923	1,053	1,037	1,072	923	881	896
Mexico	555	621	635	645	660	641	696	825
Japan	780	918	844	849	803	770	746	732
China	77	132	203	216	244	243	261	282
India	51	40	46	44	46	42	47	50

The World's Top 10 (2024)



^(*)Data source: Eni's calculations on IEA (2025) *Extended Balances* and S&P Global data. All rights reserved.

Per Capita Consumption

Countries^(*)

(cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	987	775	831	806	850	746	691	697
Albania	5	11	23	17	18	16	17	18
Austria	1,129	929	1,005	954	1,003	884	751	743
Belarus	2,219	1,941	2,012	1,876	1,938	1,880	1,710	1,650
Belgium	1,781	1,439	1,539	1,524	1,526	1,291	1,208	1,176
Bosnia Herzegovina	61	59	65	60	74	73	66	67
Bulgaria	360	420	407	422	480	396	372	402
Croatia	701	569	678	717	696	615	664	614
Czech Republic	897	716	789	802	861	691	619	622
Denmark	927	584	506	421	383	286	259	260
Estonia	491	345	333	305	344	252	215	234
Finland	832	475	448	444	446	230	263	286
France	782	628	664	616	651	583	513	479
Germany	1,092	923	1,053	1,037	1,072	923	881	896
Greece	338	288	487	536	599	492	451	602
Hungary	1,144	885	1,008	1,045	1,114	949	848	853
Ireland	1,199	930	1,075	1,066	1,011	1,015	926	943
Italy	1,316	1,062	1,218	1,097	1,167	1,177	984	992
Latvia	810	646	670	557	595	428	424	447
Lithuania	923	811	761	813	783	542	534	654
Luxembourg	2,744	1,571	1,283	1,146	1,218	945	875	912
Malta	0	0	707	718	705	704	733	679
Moldova	937	871	949	962	1,052	813	670	843
Netherlands	2,778	1,946	2,126	2,074	1,978	1,518	1,426	1,434
North Macedonia	54	66	150	174	223	151	192	178
Norway	1,519	1,389	1,083	982	1,078	851	962	834
Poland	391	419	494	521	557	456	473	512
Portugal	493	454	594	581	555	536	424	353
Romania	614	522	547	575	595	502	472	502
Serbia	296	287	334	335	407	404	396	402
Slovakia	1,077	830	871	871	969	808	769	797
Slovenia	488	371	405	404	425	375	362	404
Spain	773	611	758	681	717	689	612	584
Sweden	182	86	107	141	112	70	79	83
Switzerland	447	400	397	384	414	338	310	312
Türkiye	498	572	505	536	659	561	552	583
Ukraine	1,383	663	605	621	628	436	500	563
United Kingdom	1,566	1,101	1,138	1,084	1,131	1,026	911	887

^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances*, Italian Ministry for Environment and Energy Security and S&P Global data. All rights reserved.

Per Capita Consumption

Countries^(*)

(cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Russia and Central Asia	2,455	2,193	2,299	2,297	2,664	2,545	2,480	2,573
Russia	3,099	2,915	3,033	3,031	3,542	3,382	3,304	3,477
Armenia	512	771	855	861	948	980	889	881
Azerbaijan	998	1,143	1,213	1,215	1,252	1,323	1,357	1,308
Georgia	303	637	710	713	740	884	883	799
Kazakhstan	1,541	682	1,218	1,204	999	1,049	1,129	1,179
Kyrgyzstan	52	44	48	50	57	62	64	78
Tajikistan	24	0	24	23	24	19	17	25
Turkmenistan	3,624	3,228	3,073	3,131	5,179	4,900	4,581	4,815
Uzbekistan	1,586	1,151	1,255	1,295	1,431	1,330	1,275	1,222
	2010	2015	2019	2020	2021	2022	2023	2024
Middle East	1,658	1,855	1,968	2,021	2,033	2,008	2,056	2,055
Bahrain	10,132	10,328	10,543	10,624	10,681	9,881	10,557	10,414
Iran	1,835	2,186	2,506	2,696	2,717	2,690	2,828	2,847
Iraq	157	176	407	424	426	416	435	409
Israel	698	870	1,034	1,280	1,312	1,334	1,345	1,415
Jordan	365	237	368	344	344	363	309	325
Kuwait	4,686	5,178	4,823	4,869	5,117	5,239	5,421	5,707
Lebanon	49	0	0	0	0	0	0	0
Oman	6,286	5,860	5,794	5,768	6,251	6,048	5,922	5,869
Qatar	15,228	17,525	15,881	15,739	16,317	15,633	15,731	15,100
Saudi Arabia	2,769	2,765	3,061	3,028	3,060	3,127	3,040	3,022
Syria	404	209	150	123	183	153	149	142
United Arab Emirates	8,272	8,015	6,768	6,834	6,449	6,149	6,266	6,372
Yemen	36	31	1	1	1	1	1	0

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Per Capita Consumption

Countries^(*)

(cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Africa	108	119	134	121	131	129	126	123
Algeria	749	1,003	1,077	1,023	1,100	1,133	1,138	1,042
Angola	30	26	38	35	33	32	31	29
Benin	0	3	4	12	13	11	11	10
Cameroon	15	21	26	33	26	22	17	21
Congo	22	98	171	183	182	203	175	171
Côte d'Ivoire	69	78	77	77	79	83	86	80
Dem. Rep. Congo	0	0	0	0	0	0	0	0
Egypt	467	429	557	514	563	542	526	514
Equatorial Guinea	1,262	1,222	1,172	1,039	1,271	1,247	1,218	1,363
Gabon	182	254	193	204	180	180	174	176
Ghana	16	43	71	99	103	110	108	118
Libya	1,032	1,379	1,694	546	1,200	1,212	1,323	1,547
Morocco	20	34	28	22	21	6	24	24
Mozambique	3	33	29	27	29	33	34	40
Nigeria	64	86	85	84	89	86	78	81
Rwanda	0	1	4	4	4	4	6	6
Senegal	2	2	1	1	0	0	0	0
South Africa	86	88	84	80	59	56	57	58
Tanzania	17	19	29	25	28	33	35	34
Tunisia	549	516	541	513	545	530	505	482
Others Africa	0	0	1	1	1	1	1	1

^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* and S&P Global data. All rights reserved.

Per Capita Consumption

Countries^(*)

(cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Asia - Pacific	147	170	196	200	210	208	212	221
Australia	1,476	1,613	1,474	1,599	1,561	1,594	1,595	1,554
Bangladesh	127	154	180	181	182	176	162	153
Brunei	7,936	5,887	6,856	6,055	5,999	7,114	6,142	6,619
China	77	132	203	216	244	243	261	282
Hong Kong	513	419	422	640	640	631	614	613
India	51	40	46	44	46	42	47	50
Indonesia	183	167	166	173	179	174	178	182
Japan	780	918	844	849	803	770	746	732
Malaysia	1,266	1,398	1,364	1,256	1,447	1,536	1,463	1,561
Myanmar	30	69	59	67	75	74	69	67
New Zealand	997	1,033	927	885	751	716	720	565
Pakistan	158	142	150	158	139	138	136	131
Philippines	37	32	38	34	29	27	26	29
Singapore	1,487	1,799	1,872	1,909	2,008	1,951	1,981	2,138
South Korea	895	902	1,089	1,088	1,203	1,194	1,147	1,246
Taiwan	738	950	1,079	1,166	1,274	1,329	1,315	1,418
Thailand	559	635	626	575	576	542	569	592
Vietnam	108	99	102	88	74	89	75	63
Others Asia Pacific	7	9	10	15	14	14	14	13

^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* and S&P Global data. All rights reserved.

Per Capita Consumption

Countries^(*)

(cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Americas	1,020	1,129	1,235	1,185	1,199	1,243	1,233	1,257
Argentina	1,048	1,147	1,105	1,030	1,030	1,024	985	1,000
Bolivia	283	353	354	284	320	340	363	417
Brazil	146	214	179	168	204	155	144	151
Canada	2,674	2,737	3,619	3,423	3,391	3,562	3,537	3,479
Chile	302	257	319	290	316	333	348	323
Colombia	214	250	247	240	216	212	214	209
Cuba	88	102	78	74	72	70	80	80
Dominican Republic	80	104	118	129	157	115	162	193
Ecuador	33	40	28	23	24	22	19	21
El Salvador	0	0	0	0	0	32	74	74
Jamaica	0	0	96	236	243	230	286	258
Mexico	555	621	635	645	660	641	696	825
Panama	0	0	190	101	119	56	108	189
Peru	220	301	273	227	266	300	312	299
Trinidad and Tobago	15,395	14,104	12,463	10,638	11,173	10,861	10,380	10,136
United States	2,085	2,335	2,612	2,521	2,529	2,679	2,630	2,646
Uruguay	23	16	28	20	23	25	23	26
Venezuela	841	772	626	610	683	707	716	757
Others Americas	137	280	352	259	370	263	287	286

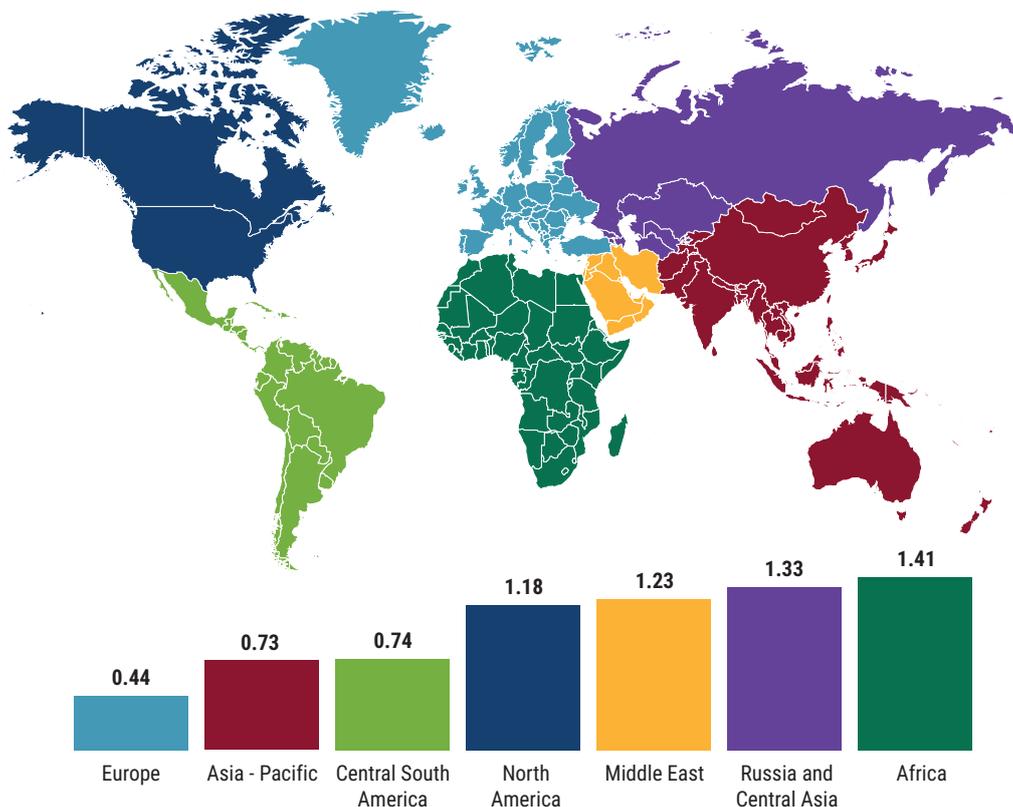
^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* and S&P Global data. All rights reserved.

Production/Consumption Ratio

Areas and Aggregates^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	0.48	0.50	0.41	0.40	0.36	0.43	0.44	0.44
Russia and Central Asia	1.41	1.54	1.61	1.52	1.45	1.38	1.32	1.33
Middle East	1.27	1.26	1.25	1.24	1.24	1.25	1.23	1.23
Africa	1.97	1.53	1.52	1.53	1.54	1.49	1.47	1.41
Asia - Pacific	0.84	0.76	0.77	0.76	0.74	0.76	0.75	0.73
Americas	0.99	1.02	1.06	1.08	1.08	1.09	1.13	1.09
- North America	0.99	1.06	1.11	1.13	1.16	1.15	1.20	1.18
- Central South America	1.00	0.87	0.84	0.83	0.77	0.83	0.81	0.74
World	0.99	1.02	1.03	1.01	1.00	1.02	1.02	1.00
European Union 27	0.30	0.24	0.16	0.13	0.11	0.12	0.11	0.10
MENA	1.26	1.22	1.23	1.22	1.22	1.22	1.20	1.18
OECD	0.76	0.82	0.87	0.89	0.89	0.94	0.98	0.96
NON OECD	1.17	1.17	1.15	1.11	1.08	1.08	1.05	1.03
OPEC	1.21	1.14	1.14	1.12	1.13	1.12	1.10	1.09
NON OPEC	0.96	1.00	1.01	1.00	0.98	1.00	1.01	0.99

Production/Consumption Ratio (2024)



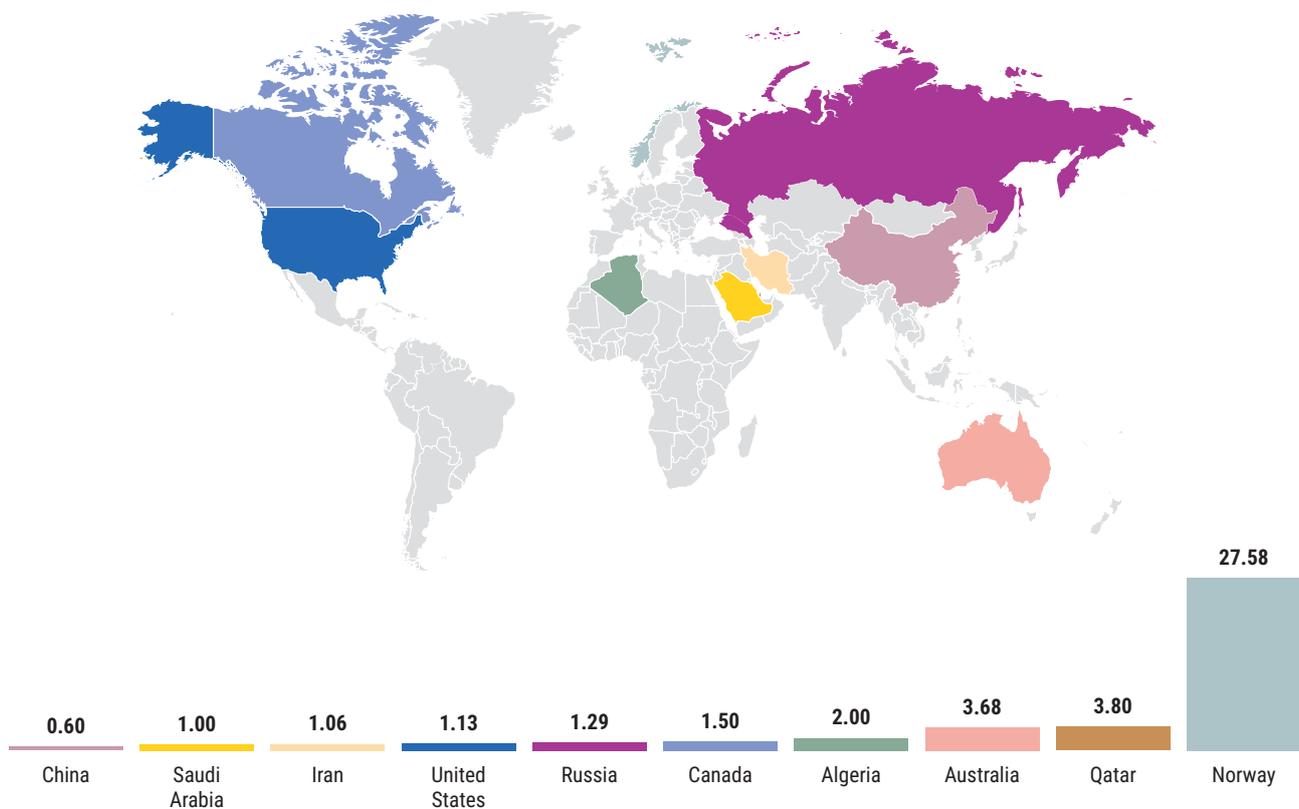
^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* and, for Italy, on Ministry for Environment and Energy Security data. All rights reserved.

Production/Consumption Ratio

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

	2010	2015	2019	2020	2021	2022	2023	2024
Norway	14.85	16.60	20.25	21.58	20.10	27.35	22.72	27.58
Qatar	4.79	4.01	3.90	3.91	3.79	3.88	3.76	3.80
Australia	1.58	1.75	3.65	3.59	3.52	3.67	3.66	3.68
Algeria	3.09	2.07	1.91	1.86	2.11	1.95	1.98	2.00
Canada	1.68	1.63	1.35	1.38	1.43	1.45	1.47	1.50
Russia	1.41	1.44	1.56	1.47	1.44	1.34	1.27	1.29
United States	0.89	0.98	1.08	1.10	1.12	1.11	1.16	1.13
Iran	1.00	1.00	1.08	1.07	1.07	1.08	1.06	1.06
Saudi Arabia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
China	0.90	0.71	0.59	0.61	0.58	0.62	0.61	0.60

The World's Top 10 (2024)



^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* data. All rights reserved.

Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	0.48	0.50	0.41	0.40	0.36	0.43	0.44	0.44
Albania	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Austria	0.17	0.15	0.10	0.09	0.07	0.08	0.08	0.08
Belarus	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
Bulgaria	0.03	0.03	0.01	0.02	0.01	0.01	0.00	0.00
Croatia	0.84	0.71	0.35	0.28	0.26	0.29	0.27	0.28
Czech Republic	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.03
Denmark	1.66	1.45	1.09	0.56	0.66	0.87	0.87	1.16
France	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Germany	0.15	0.10	0.06	0.05	0.05	0.05	0.05	0.04
Greece	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hungary	0.23	0.18	0.16	0.15	0.13	0.15	0.18	0.18
Ireland	0.05	0.03	0.47	0.36	0.29	0.26	0.23	0.21
Italy	0.10	0.10	0.06	0.06	0.05	0.04	0.04	0.04
Netherlands	1.62	1.38	0.74	0.55	0.51	0.55	0.38	0.31
Norway	14.85	16.60	20.25	21.58	20.10	27.35	22.72	27.58
Poland	0.29	0.27	0.21	0.20	0.18	0.22	0.20	0.18
Romania	0.80	0.99	0.89	0.76	0.75	0.90	0.98	0.94
Serbia	0.17	0.26	0.18	0.16	0.12	0.11	0.11	0.10
Slovakia	0.02	0.02	0.03	0.01	0.01	0.01	0.01	0.01
Slovenia	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00
Spain	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Türkiye	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.04
Ukraine	0.28	0.57	0.70	0.66	0.64	0.91	0.95	0.86
United Kingdom	0.59	0.56	0.51	0.54	0.43	0.54	0.55	0.50

^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* and, for Italy, on Ministry for Environment and Energy Security data. All rights reserved.

Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Russia and Central Asia	1.41	1.54	1.61	1.52	1.45	1.38	1.32	1.33
Russia	1.41	1.44	1.56	1.47	1.44	1.34	1.27	1.29
Azerbaijan	1.78	1.69	1.95	2.09	2.48	2.51	2.54	2.79
Georgia	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01
Kazakhstan	1.10	2.20	1.43	1.30	1.35	1.28	1.34	1.22
Kyrgyzstan	0.08	0.11	0.07	0.06	0.05	0.06	0.05	0.05
Tajikistan	0.12	1.00	0.00	0.00	0.00	0.00	0.00	0.00
Turkmenistan	2.13	3.95	3.93	3.60	2.16	2.21	2.26	2.04
Uzbekistan	1.25	1.31	1.25	1.08	1.04	1.06	0.98	0.96
	2010	2015	2019	2020	2021	2022	2023	2024
Middle East	1,27	1,26	1,25	1,24	1,24	1,25	1,23	1,23
Bahrain	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Iran	1,00	1,00	1,08	1,07	1,07	1,08	1,06	1,06
Iraq	1,00	1,00	0,65	0,39	0,50	0,51	0,50	0,52
Israel	0,61	0,98	0,94	1,30	1,56	1,72	1,89	1,94
Jordan	0,06	0,05	0,02	0,04	0,05	0,04	0,05	0,05
Kuwait	0,81	0,81	0,77	0,73	0,67	0,66	0,68	0,67
Oman	1,59	1,34	1,45	1,45	1,44	1,48	1,46	1,48
Qatar	4,79	4,01	3,90	3,91	3,79	3,88	3,76	3,80
Saudi Arabia	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Syria	0,93	1,00	1,00	1,00	1,00	1,00	1,00	1,00
United Arab Emirates	0,84	0,82	0,82	0,80	0,81	0,81	0,81	0,79
Yemen	6,57	2,97	1,00	1,00	1,00	1,00	1,00	1,00

^(*)Data source: Eni's calculations on IEA (2025) *Extended Balances* data. All rights reserved.

Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Africa	1,97	1,53	1,52	1,53	1,54	1,49	1,47	1,41
Algeria	3.09	2.07	1.91	1.86	2.11	1.95	1.98	2.00
Angola	1.00	1.00	5.23	6.06	5.00	4.53	4.92	5.00
Cameroon	1.00	1.00	3.32	2.62	3.15	3.69	4.81	3.62
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	1.30	0.85	1.08	1.07	1.08	1.05	0.94	0.79
Equatorial Guinea	4.14	3.98	3.27	3.21	2.99	3.42	2.85	2.70
Gabon	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ghana	0.00	0.56	0.70	0.80	0.85	0.86	0.83	0.82
Libya	2.38	1.75	1.46	2.11	1.36	1.28	1.25	1.12
Morocco	0.08	0.07	0.09	0.11	0.12	0.31	0.05	0.04
Mozambique	39.54	5.48	5.41	5.49	5.12	6.18	9.64	9.10
Nigeria	2.91	2.52	2.46	2.46	2.12	1.96	1.95	1.95
Rwanda	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Senegal	1.02	1.00	1.00	1.00	1.00	1.00	1.00	1.00
South Africa	0.33	0.22	0.22	0.22	0.00	0.00	0.00	0.00
Tanzania	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Tunisia	0.61	0.50	0.34	0.37	0.39	0.38	0.36	0.29

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Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Asia - Pacific	0.84	0.76	0.77	0.76	0.74	0.76	0.75	0.73
Australia	1.58	1.75	3.65	3.59	3.52	3.67	3.66	3.68
Bangladesh	1.00	1.00	0.89	0.81	0.81	0.78	0.80	0.77
Brunei	3.84	4.40	3.51	3.83	3.49	2.78	3.00	2.94
China	0.90	0.71	0.59	0.61	0.58	0.62	0.61	0.60
India	0.79	0.58	0.47	0.44	0.50	0.54	0.51	0.48
Indonesia	1.93	1.74	1.50	1.46	1.40	1.40	1.38	1.37
Japan	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Malaysia	1.64	1.54	1.57	1.52	1.42	1.45	1.50	1.43
Myanmar	7.92	4.87	5.68	4.78	4.35	3.83	3.65	3.53
New Zealand	1.03	0.99	1.00	1.00	1.03	0.97	0.99	1.01
Pakistan	1.00	0.91	0.75	0.74	0.72	0.69	0.67	0.63
Philippines	1.00	1.00	1.00	1.00	1.00	1.00	0.74	0.52
South Korea	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Taiwan	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00
Thailand	0.75	0.74	0.71	0.67	0.65	0.61	0.55	0.57
Vietnam	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Others Asia Pacific	12.04	27.66	22.93	15.64	15.82	14.24	13.39	13.39

^(*)Data source: Eni's calculations on IEA (2025) *Extended Balances* data. All rights reserved.

Production/Consumption Ratio

Countries^(*)

	2010	2015	2019	2020	2021	2022	2023	2024
Americas	0.99	1.02	1.06	1.08	1.08	1.09	1.13	1.09
Argentina	0.93	0.78	0.87	0.85	0.85	0.93	0.94	1.00
Bolivia	4.96	5.41	3.83	4.53	4.10	3.47	2.77	2.16
Brazil	0.54	0.56	0.73	0.72	0.59	0.72	0.78	0.74
Canada	1.68	1.63	1.35	1.38	1.43	1.45	1.47	1.50
Chile	0.35	0.21	0.24	0.20	0.19	0.20	0.23	0.21
Colombia	1.15	1.03	0.99	0.97	1.00	1.00	0.95	0.89
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	0.79	0.53	0.40	0.44	0.44	0.47	0.46	0.37
Peru	1.39	1.61	1.70	1.82	1.45	1.53	1.46	1.49
Trinidad and Tobago	1.95	1.85	1.92	1.89	1.54	1.66	1.66	1.65
United States	0.89	0.98	1.08	1.10	1.12	1.11	1.16	1.13
Venezuela	0.92	0.98	1.00	1.00	1.00	1.00	1.00	1.00
Others Americas	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.01

^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* data. All rights reserved.

Natural Gas Trade and Prices

EXPORTS

The World's Top 10 Exporters
Countries

IMPORTS

The World's Top 10 Importers
Countries
Imports by Country of Origin - Pipeline and LNG 2024
Imports by Country of Origin - Pipeline 2024
Imports by Country of Origin - LNG 2024

TRADED GAS

LNG - LIQUEFACTION AND REGASIFICATION CAPACITY

Liquefaction Capacity - Countries
Regasification Capacity - Countries

NATURAL GAS BALANCE - ITALY

NATURAL GAS PRICES

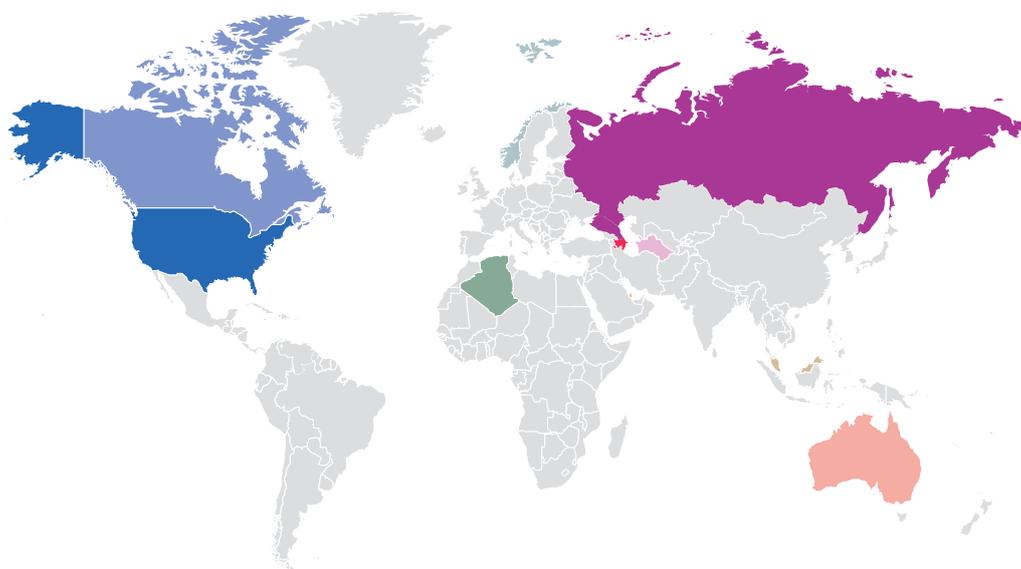
Exports

The World's Top 10 Exporters^(*)

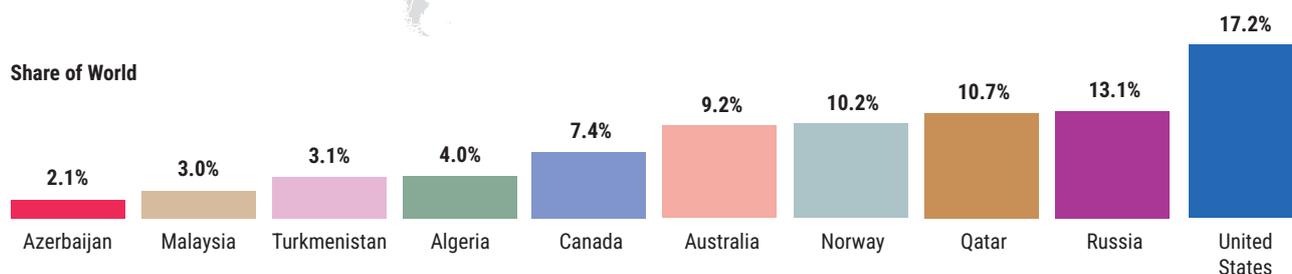
(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
United States	30.42	47.33	127.49	144.53	185.48	186.66	212.16	207.96	-2.0%	14.7%
Russia	179.31	191.86	248.35	228.22	231.71	160.57	132.94	158.85	19.5%	-0.9%
Qatar	98.76	128.23	129.04	128.45	128.20	130.32	129.15	129.09	0.0%	1.9%
Norway	102.90	112.52	111.55	108.71	111.36	122.37	115.39	123.68	7.2%	1.3%
Australia	24.33	34.15	104.18	110.34	107.86	115.92	113.52	111.54	-1.7%	11.5%
Canada	92.05	76.37	74.79	69.65	77.75	83.89	81.00	89.45	10.4%	-0.2%
Algeria	56.58	43.03	42.31	39.03	54.41	48.60	51.78	49.02	-5.3%	-1.0%
Turkmenistan	22.74	59.22	61.22	56.58	42.63	42.91	42.63	37.42	-12.2%	3.6%
Malaysia	31.20	32.70	34.31	31.79	30.15	36.19	34.69	36.60	5.5%	1.1%
Azerbaijan	6.04	7.95	11.55	13.51	18.63	22.10	24.35	25.17	3.4%	10.7%
The World's Top 10	644.33	733.37	944.80	930.81	988.17	949.54	937.62	968.76	3.3%	3.0%
Rest of the World	304.43	316.78	275.70	254.55	233.99	273.53	261.35	243.28	-6.9%	-1.6%
World	948.76	1,050.14	1,220.50	1,185.36	1,222.16	1,223.07	1,198.97	1,212.04	1.1%	1.8%

The World's Top 10 (2024)



Share of World



^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Exports

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	200.26	214.91	159.02	149.52	149.61	202.51	194.35	185.99	-4.3%	-0.5%
Belgium	3.20	1.66	4.37	3.38	2.81	8.36	7.96	4.80	-39.7%	2.9%
Bulgaria	-	0.00	0.01	0.01	-	-	-	-		
Croatia	0.46	0.35	0.07	0.05	0.12	1.04	1.12	0.95	-15.1%	5.4%
Czech Republic	0.15	-	-	-	-	-	-	-		-100.0%
Denmark	3.67	2.29	1.37	1.66	1.79	2.23	8.38	8.88	6.0%	6.5%
Finland	-	0.00	-	-	-	-	0.16	0.50	204.3%	
France	2.97	3.46	9.48	8.45	5.58	15.42	14.03	14.33	2.1%	11.9%
Germany	19.95	31.68	-	-	-	-	-	-		-100.0%
Greece	-	-	0.02	0.03	0.02	0.48	0.26	0.04	-83.5%	
Hungary	0.22	0.53	-	-	-	-	-	-		-100.0%
Italy	0.13	0.21	0.31	0.30	1.47	4.39	2.50	0.59	-76.3%	11.2%
Lithuania	-	0.09	0.50	0.50	0.13	1.93	1.84	1.00	-45.7%	
Netherlands	49.61	42.54	19.88	13.63	13.89	14.71	16.62	13.58	-18.3%	-8.8%
Norway	102.90	112.52	111.55	108.71	111.36	122.37	115.39	123.68	7.2%	1.3%
Poland	0.04	0.05	1.28	1.35	0.11	0.59	0.68	0.10	-86.1%	5.7%
Romania	-	0.00	0.01	0.13	0.69	0.90	2.09	2.21	5.5%	
Slovakia	-	-	-	-	1.31	-	-	-		
Slovenia	-	-	0.00	-	-	-	-	-		
Spain	1.17	5.12	1.14	1.19	3.06	6.13	6.64	2.95	-55.6%	6.8%
Sweden	-	-	0.03	0.03	0.06	0.01	0.01	0.02	141.5%	
Türkiye	0.62	0.60	0.73	0.55	0.37	0.56	0.86	1.70	98.4%	7.5%
Ukraine	0.01	-	-	-	-	-	-	-		-100.0%
United Kingdom	15.14	13.80	8.26	9.54	6.85	23.39	15.80	10.66	-32.6%	-2.5%

^(*) Data source: the original data are from IEA (2025) *Extended Balances* and, for Italy, from Italian Ministry of Environment and Energy Security. All rights reserved.

Exports

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	225.25	289.46	358.92	321.52	307.96	236.28	209.59	232.74	11.0%	0.2%
Russia	179.31	191.86	248.35	228.22	231.71	160.57	132.94	158.85	19.5%	-0.9%
Azerbaijan	6.04	7.95	11.55	13.51	18.63	22.10	24.35	25.17	3.4%	10.7%
Georgia	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00		
Kazakhstan	6.08	20.11	26.25	20.33	9.84	6.70	7.26	8.97	23.5%	2.8%
Turkmenistan	22.74	59.22	61.22	56.58	42.63	42.91	42.63	37.42	-12.2%	3.6%
Uzbekistan	11.08	10.22	11.55	2.88	5.15	3.99	2.42	2.34	-3.1%	-10.5%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	132.14	156.51	167.87	169.15	172.90	180.56	176.93	179.26	1.3%	2.2%
Iran	8.35	8.92	17.19	16.69	16.99	19.66	15.35	15.80	2.9%	4.7%
Israel	0.00	0.00	0.18	4.04	6.78	8.75	11.02	12.43	12.8%	
Jordan	0.00	0.00	0.29	0.29	0.00	0.00	0.00	0.00		
Oman	12.27	10.43	14.00	13.35	13.91	15.31	15.39	16.25	5.6%	2.0%
Qatar	98.76	128.23	129.04	128.45	128.20	130.32	129.15	129.09	0.0%	1.9%
United Arab Emirates	7.45	7.05	7.17	6.32	7.03	6.51	6.03	5.69	-5.6%	-1.9%
Yemen	5.30	1.89	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	106.20	84.21	93.70	91.55	102.38	95.76	96.39	90.86	-5.7%	-1.1%
Algeria	56.58	43.03	42.31	39.03	54.41	48.60	51.78	49.02	-5.3%	-1.0%
Angola	0.00	0.00	5.22	5.91	4.52	3.99	4.44	4.41	-0.7%	
Cameroon	0.00	0.00	1.57	1.40	1.51	1.66	1.88	1.62	-14.1%	
Egypt	12.33	0.24	4.83	7.01	8.99	9.41	4.80	0.99	-79.4%	-16.5%
Equatorial Guinea	4.71	5.29	4.45	3.94	4.46	5.45	4.17	4.37	4.9%	-0.5%
Libya	9.26	6.75	5.42	4.27	3.07	2.47	2.39	1.33	-44.4%	-12.9%
Mozambique	3.04	3.87	3.88	3.79	3.77	5.64	9.88	11.17	13.1%	9.7%
Nigeria	20.28	25.01	26.03	26.20	21.65	18.53	17.04	17.96	5.4%	-0.9%

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Exports

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	125.47	141.14	203.45	207.19	200.34	208.69	203.19	202.28	-0.4%	3.5%
Australia	24.33	34.15	104.18	110.34	107.86	115.92	113.52	111.54	-1.7%	11.5%
Brunei	8.83	8.36	7.62	7.65	6.75	5.77	5.64	5.94	5.2%	-2.8%
China	3.92	3.16	3.50	5.02	5.37	5.59	6.17	5.72	-7.3%	2.7%
Indonesia	41.85	32.42	22.48	22.11	19.94	19.14	18.96	18.96	0.0%	-5.5%
Malaysia	31.20	32.70	34.31	31.79	30.15	36.19	34.69	36.60	5.5%	1.1%
Myanmar	10.34	13.66	14.41	13.39	13.36	11.22	9.92	9.25	-6.7%	-0.8%
Vietnam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Others Asia Pacific	5.00	16.69	16.94	16.88	16.91	14.86	14.27	14.27	0.0%	7.8%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	159.44	163.91	237.54	246.44	288.97	299.28	318.52	320.91	0.8%	5.1%
Argentina	0.46	0.09	0.27	0.18	0.85	2.54	2.21	2.54	14.6%	13.1%
Bolivia	11.41	17.14	11.66	11.86	11.85	10.13	7.88	6.00	-23.8%	-4.5%
Canada	92.05	76.37	74.79	69.65	77.75	83.89	81.00	89.45	10.4%	-0.2%
Chile	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	-100.0%	
Colombia	1.39	0.33	0.00	0.00	0.00	0.00	0.00	0.00		-100.0%
Dominican Republic	0.00	0.00	0.04	0.06	0.06	0.04	0.00	0.00		
Mexico	0.92	0.03	0.01	0.01	0.01	0.01	0.01	0.01	-11.7%	-29.2%
Peru	2.48	5.58	6.23	6.10	3.96	5.34	4.89	5.02	2.6%	5.2%
Trinidad and Tobago	20.33	17.05	17.04	14.05	9.02	10.67	10.32	9.93	-3.8%	-5.0%
United States	30.42	47.33	127.49	144.53	185.48	186.66	212.16	207.96	-2.0%	14.7%

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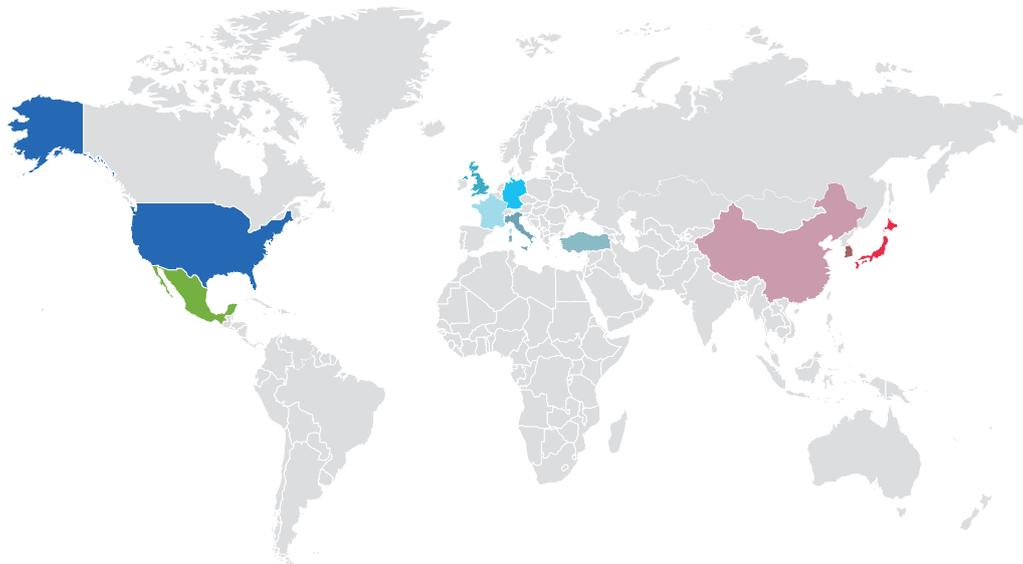
Imports

The World's Top 10 Importers^(*)

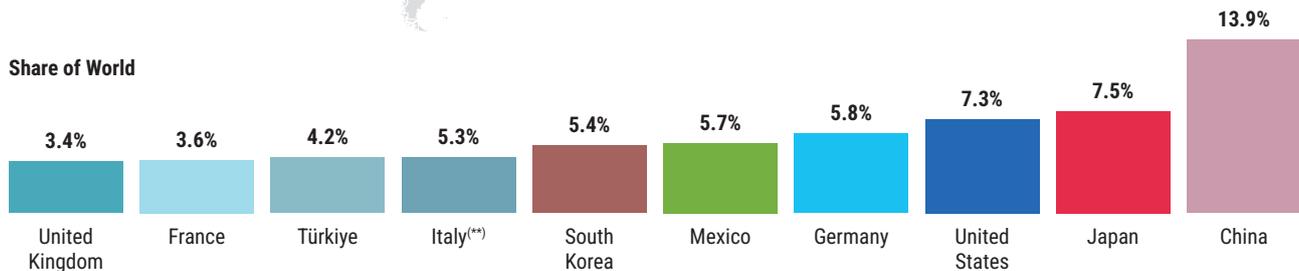
(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
China	13.18	50.93	108.59	113.43	136.04	123.48	135.69	148.86	9.7%	18.9%
Japan	86.51	102.41	94.17	94.02	87.99	86.84	79.89	80.31	0.5%	-0.5%
United States	90.98	65.83	66.37	61.77	70.46	73.59	73.45	78.91	7.4%	-1.0%
Germany	82.48	89.93	79.21	69.58	73.26	74.00	62.80	62.16	-1.0%	-2.0%
Mexico	13.23	31.58	42.94	40.73	42.36	39.44	44.02	61.09	38.8%	11.5%
South Korea	39.93	40.99	50.13	49.19	56.51	57.17	54.36	57.74	6.2%	2.7%
Italy ^(**)	71.77	58.36	67.84	63.24	69.53	69.14	58.89	56.64	-3.8%	-1.7%
Türkiye	32.78	41.74	38.96	41.48	50.59	47.11	43.51	45.00	3.4%	2.3%
France	44.08	39.25	49.59	42.20	42.26	51.80	43.13	38.93	-9.7%	-0.9%
United Kingdom	49.11	40.13	40.79	38.73	45.43	50.08	40.09	36.92	-7.9%	-2.0%
The World's Top 10	524.05	561.14	638.60	614.38	674.43	672.64	635.83	666.54	4.8%	1.7%
Rest of the World	342.91	356.65	410.79	403.28	404.11	408.47	403.23	407.19	1.0%	1.2%
World	866.96	917.79	1,049.39	1,017.66	1,078.54	1,081.11	1,039.06	1,073.73	3.3%	1.5%

The World's Top 10 (2024)



Share of World



^(*) Data source: the original data are from IEA (2025) *Extended Balances* and, for Italy, from Italian Ministry of Environment and Energy Security. All rights reserved.

^(**) The original data are from Italian Ministry of Environment and Energy Security.

Imports

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	477.00	434.91	470.44	430.88	459.02	481.01	426.78	399.82	-6.3%	-1.3%
Austria	6.40	5.25	9.87	5.62	4.13	10.75	6.27	4.72	-24.7%	-2.2%
Belarus	18.74	16.33	16.96	15.67	16.00	15.39	14.03	13.45	-4.2%	-2.3%
Belgium	20.46	15.99	20.15	18.74	18.42	21.16	20.01	16.64	-16.8%	-1.5%
Bosnia Herzegovina	0.21	0.19	0.20	0.18	0.22	0.21	0.19	0.19	0.4%	-0.6%
Bulgaria	2.23	2.64	2.57	2.55	2.86	2.58	2.27	2.39	5.5%	0.5%
Croatia	0.91	0.91	1.73	1.86	2.00	2.67	2.65	2.38	-10.3%	7.1%
Czech Republic	7.30	6.45	8.22	6.55	7.52	7.53	6.03	5.06	-16.1%	-2.6%
Denmark	0.14	0.62	1.05	2.32	2.17	2.42	7.73	7.56	-2.2%	32.8%
Estonia	0.59	0.41	0.42	0.39	0.44	0.36	0.28	0.30	8.2%	-4.6%
Finland	4.02	2.34	2.24	2.22	2.21	1.19	1.54	1.95	26.5%	-5.0%
France	44.08	39.25	49.59	42.20	42.26	51.80	43.13	38.93	-9.7%	-0.9%
Germany	82.48	89.93	79.21	69.58	73.26	74.00	62.80	62.16	-1.0%	-2.0%
Greece	3.38	2.80	4.67	5.22	5.68	5.11	4.29	5.56	29.3%	3.6%
Hungary	8.28	5.94	10.21	6.94	6.54	8.20	7.29	4.88	-33.1%	-3.7%
Ireland	4.69	3.79	2.53	3.04	3.26	3.45	3.36	3.54	5.5%	-2.0%
Italy	71.77	58.36	67.84	63.24	69.53	69.14	58.89	56.64	-3.8%	-1.7%
Latvia	0.95	1.13	1.16	0.95	1.01	0.72	0.72	0.76	5.0%	-1.6%
Lithuania	2.60	2.24	2.40	2.49	2.10	3.10	2.91	2.47	-15.0%	-0.4%
Luxembourg	1.25	0.80	0.72	0.65	0.70	0.55	0.52	0.54	5.3%	-5.8%
Malta	0.00	0.00	0.33	0.32	0.35	0.34	0.33	0.33	1.0%	-
Moldova	2.42	2.23	2.29	2.29	2.49	1.94	1.45	1.84	27.2%	-1.9%
Netherlands	19.31	27.30	26.73	27.15	23.18	29.09	30.25	26.00	-14.1%	2.1%
North Macedonia	0.10	0.12	0.26	0.29	0.37	0.25	0.32	0.29	-7.5%	8.0%
Norway	0.01	0.00	0.02	0.03	0.14	0.06	0.09	0.06	-34.8%	18.8%
Poland	9.33	10.46	15.14	15.15	16.04	13.32	14.03	14.06	0.2%	3.0%
Portugal	4.72	4.26	5.53	5.39	5.19	5.23	3.89	3.28	-15.7%	-2.6%
Romania	1.90	0.17	2.24	1.79	2.97	2.38	2.23	2.00	-10.3%	0.4%
Serbia	1.64	1.45	1.89	1.66	1.97	2.47	2.21	2.11	-5.0%	1.8%
Slovakia	5.24	3.86	5.84	3.77	4.47	5.45	3.99	3.58	-10.2%	-2.7%
Slovenia	0.90	0.69	0.77	0.77	0.81	0.71	0.69	0.77	11.8%	-1.1%
Spain	33.45	29.50	33.89	29.58	33.67	36.15	32.11	27.47	-14.4%	-1.4%
Sweden	1.53	0.76	1.03	1.36	1.12	0.68	0.82	0.82	1.0%	-4.3%
Switzerland	3.15	2.99	3.07	2.98	3.25	2.67	2.47	2.51	1.4%	-1.6%
Türkiye	32.78	41.74	38.96	41.48	50.59	47.11	43.51	45.00	3.4%	2.3%
Ukraine	30.94	13.91	9.95	7.73	6.68	2.73	3.40	2.66	-21.8%	-16.1%
United Kingdom	49.11	40.13	40.79	38.73	45.43	50.08	40.09	36.92	-7.9%	-2.0%

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Imports

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	9.64	17.05	27.50	24.38	16.54	17.09	16.95	23.02	35.8%	6.4%
Russia	3.66	7.57	7.84	7.73	7.02	6.71	3.61	9.46	162.2%	7.0%
Armenia	1.43	2.05	2.22	2.25	2.44	2.57	2.36	2.36	-0.1%	3.6%
Azerbaijan	0.00	0.00	0.00	0.00	0.00	1.37	2.52	0.48	-81.0%	-
Georgia	1.06	2.25	2.42	2.43	2.51	3.01	3.01	2.72	-9.5%	7.0%
Kazakhstan	3.08	4.90	14.56	11.50	2.10	1.07	1.16	3.54	203.7%	1.0%
Kyrgyzstan	0.24	0.21	0.26	0.28	0.33	0.36	0.39	0.48	25.1%	5.2%
Tajikistan	0.15	0.00	0.20	0.20	0.21	0.17	0.16	0.24	49.8%	3.5%
Uzbekistan	0.02	0.06	0.00	0.00	1.93	1.84	3.73	3.73	0.0%	45.6%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	31.88	32.77	33.10	37.97	37.32	38.41	37.64	39.51	5.0%	1.5%
Iran	7.97	7.59	0.35	0.27	0.46	1.32	0.00	0.00	-	-100.0%
Iraq	0.00	0.00	5.22	9.76	8.33	8.06	8.90	8.11	-8.9%	-
Israel	1.81	0.10	0.65	0.57	0.17	0.04	0.00	0.00	-	-100.0%
Jordan	2.25	1.93	3.71	3.50	3.25	3.53	3.02	3.21	6.4%	2.6%
Kuwait	2.39	3.41	4.45	5.26	6.57	7.34	7.50	8.42	12.2%	9.4%
Lebanon	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-100.0%
Oman	1.77	1.85	1.86	1.49	1.40	1.40	1.40	1.13	-19.2%	-3.2%
Syria	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-100.0%
United Arab Emirates	14.89	17.90	16.86	17.12	17.13	16.72	16.83	18.64	10.8%	1.6%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	5.76	13.64	8.87	11.28	11.70	13.20	15.72	21.01	33.6%	9.7%
Benin	0.00	0.03	0.05	0.15	0.16	0.14	0.13	0.13	0.0%	-
Egypt	0.00	5.96	0.00	2.91	3.51	5.56	7.34	12.21	66.3%	-
Ghana	0.37	0.49	0.60	0.58	0.44	0.47	0.56	0.67	20.8%	4.4%
Morocco	0.55	0.99	0.84	0.63	0.62	0.14	0.76	0.78	2.9%	2.5%
South Africa	2.74	3.49	3.49	3.41	3.24	3.17	3.24	3.32	2.4%	1.4%
Tunisia	2.10	2.66	3.80	3.50	3.59	3.57	3.56	3.76	5.6%	4.2%
Others Africa	0.00	0.02	0.10	0.10	0.13	0.15	0.12	0.12	0.0%	-

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Imports

Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	197.73	271.68	353.97	366.64	391.97	377.99	383.94	411.37	7.1%	5.4%
Australia	4.76	4.67	4.54	4.04	4.67	3.42	1.08	0.00	-100.0%	-100.0%
Bangladesh	0.00	0.00	2.88	5.05	5.35	5.97	5.05	5.50	8.9%	-
China	13.18	50.93	108.59	113.43	136.04	123.48	135.69	148.86	9.7%	18.9%
Hong Kong	3.28	2.78	2.84	4.31	4.31	4.24	4.11	4.09	-0.6%	1.6%
India	11.97	19.92	30.33	31.20	29.09	24.74	29.62	34.19	15.4%	7.8%
Japan	86.51	102.41	94.17	94.02	87.99	86.84	79.89	80.31	0.5%	-0.5%
Malaysia	7.34	8.18	7.62	8.85	8.42	10.91	8.22	11.23	36.7%	3.1%
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-
Pakistan	0.00	2.39	8.28	9.87	9.45	9.45	9.91	10.89	9.9%	-
Philippines	0.00	0.00	0.00	0.00	0.00	0.00	0.69	1.45	109.3%	-
Singapore	6.80	8.91	9.56	9.62	10.01	9.93	10.32	11.22	8.7%	3.6%
South Korea	39.93	40.99	50.13	49.19	56.51	57.17	54.36	57.74	6.2%	2.7%
Taiwan	15.20	19.83	23.10	24.79	27.19	27.98	27.86	29.53	6.0%	4.9%
Thailand	8.62	10.68	11.80	12.20	12.87	13.76	17.01	16.25	-4.5%	4.6%
Others Asia Pacific	0.14	0.00	0.12	0.06	0.07	0.10	0.11	0.11	0.0%	-1.8%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	144.94	147.73	155.49	146.51	162.00	153.42	158.03	179.01	13.3%	1.5%
Argentina	3.12	10.01	5.96	6.32	7.18	5.38	4.33	2.40	-44.6%	-1.9%
Brazil	11.65	16.95	9.03	8.85	15.53	8.08	5.96	7.44	24.8%	-3.2%
Canada	19.61	17.33	22.90	20.93	17.44	18.43	20.12	18.30	-9.0%	-0.5%
Chile	3.15	3.28	4.22	3.98	4.45	4.84	4.67	4.48	-4.0%	2.6%
Colombia	0.00	0.00	0.14	0.30	0.04	0.05	0.50	1.12	123.7%	-
Dominican Republic	0.71	1.00	1.25	1.33	1.61	1.25	1.72	1.98	15.6%	7.6%
El Salvador	0.00	0.00	0.00	0.00	0.00	0.18	0.42	0.42	0.0%	-
Jamaica	0.00	0.00	0.21	0.60	0.62	0.59	0.72	0.66	-8.9%	-
Mexico	13.23	31.58	42.94	40.73	42.36	39.44	44.02	61.09	38.8%	11.5%
Panama	0.00	0.00	0.72	0.39	0.47	0.28	0.69	0.77	11.1%	-
United States	90.98	65.83	66.37	61.77	70.46	73.59	73.45	78.91	7.4%	-1.0%
Uruguay	0.07	0.05	0.08	0.06	0.07	0.08	0.07	0.08	14.2%	1.1%
Venezuela	1.75	0.32	0.00	0.00	0.00	0.00	0.00	0.00	-	-100.0%
Others Americas	0.68	1.38	1.67	1.23	1.76	1.25	1.37	1.37	0.0%	5.2%

^(*) Data source: the original data are from IEA (2025) *Extended Balances*. All rights reserved.

Natural Gas - Imports by Country of Origin - Pipeline and LNG 2024

(billion cubic metres)

	EUROPE															RUSSIA AND CENTRAL ASIA		
Importers ▶																		
Exporters ▼	Austria	Belarus	Belgium	Czech Republic	Denmark	France	Germany	Greece	Hungary	Italy	Netherlands	Poland	Slovakia	Spain	Türkiye	United Kingdom	Russia	Uzbekistan
Europe																		
Belgium							12.4						1.7					
Bulgaria																		
France				2.1											1.3			
Germany																		
Hungary																		
Netherlands				1.7			1.3	17.4			2.4							
Norway				6.3	2.5	8.3	16.6	33.5			3.6	9.3				31.7		
Portugal															1.1			
Romania										1.0								
United Kingdom				1.2									1.8					
Russia and C. Asia																		
Russia		16.1	3.4	1.1		7.4		3.3	4.1	5.7	2.1		3.1	6.4	21.6			
Azerbaijan								1.1		10.3					11.5			
Kazakhstan																	3.3	
Turkmenistan																		4.7
Middle East																		
Iran															7.0			
Israel																		
Oman																		
Qatar				2.8						6.9				1.0		0.8		
United Arab Emirates																		
Africa																		
Algeria						4.4				23.3				11.7	5.4			
Angola																		
Cameroon																		
Equatorial Guinea																		
Libya										1.4								
Mozambique																		
Nigeria							1.0							2.2				
Asia - Pacific																		
Australia																		
Brunei																		
China																		
Indonesia																		
Malaysia																		
Myanmar																		
Papua New Guinea																		
Americas																		
Bolivia																		
Canada																		
Peru																		
Peru													1.2					
Trinidad and Tobago													1.0					
United States				1.3		8.6	4.7	1.5		5.2	14.5			5.1	5.6	7.0		
Nonspecified/Others	5.4		0.2	2.1	0.1	2.2	2.9	0.3	0.4	0.7	3.0	15.9	1.0	1.5	1.2	2.4	7.7	0.2
TOTAL BY COUNTRY	5.4	16.1	18.9	5.7	8.4	41.6	70.9	6.2	5.5	59.4	34.7	15.9	4.1	30.2	52.2	41.9	11.0	4.9

(*) Data source: IEA (2025) *Natural Gas Information*. All rights reserved.

Natural Gas - Imports by Country of Origin - Pipeline 2024

(billion cubic metres)

EUROPE

Importers ▶

Exporters ▼

	Austria	Belarus	Belgium	Czech Republic	Denmark	France	Germany	Greece	Hungary	Ireland	Italy	Lithuania	Moldova	Netherlands	Poland	Romania	Serbia	Slovakia	Spain	Switzerland	Türkiye	Ukraine	United Kingdom
Europe																							
Belgium							12.4							1.7									
Bulgaria																2.4							
France			2.1																	1.3	1.6		
Germany																					1.1		
Hungary																							1.9
Netherlands			1.7			1.3	17.4				2.4												
Norway			6.3	2.5	8.3	15.7	33.5				3.6	1.1		7.9									31.5
Portugal																				1.1			
Romania									1.0														
United Kingdom			1.2							4.0				1.8									
Russia and C. Asia																							
Russia		16.1		1.1				3.1	4.1		5.6		1.5				2.5	3.1				21.1	
Azerbaijan								1.1			10.3											11.5	
Kazakhstan																							
Turkmenistan																							
Middle East																							
Iran																						7.0	
Israel																							
Qatar																							
Africa																							
Algeria											21.3										9.4		
Libya											1.4												
Mozambique																							
Nigeria																							
Asia -Pacific																							
China																							
Indonesia																							
Malaysia																							
Myanmar																							
Americas																							
Argentina																							
Bolivia																							
Canada																							
United States												1.1											
Non-specified/Others	5.4		0.1	0.0	0.1	0.9	2.1		0.4		0.0	0.6	0.9	2.1	9.4	0.0		1.0	0.2	0.2		1.2	0.1
TOTAL BY COUNTRY	5.4	16.1	11.4	3.6	8.4	18.0	65.3	4.2	5.5	4.0	44.7	2.8	2.4	13.5	9.4	2.4	2.5	4.1	11.9	2.9	39.6	3.1	31.6

Natural Gas - Imports by Country of Origin - LNG 2024

(billion cubic metres)

	EUROPE															MIDDLE EAST			AFRICA
	Belgium	Bulgaria	Croatia	Czech Republic	Finland	France	Germany	Greece	Italy	Netherlands	Poland	Portugal	Spain	Türkiye	United Kingdom	Jordan	Kuwait	United Arab Emirates	Egypt
Importers																			
Exporters																			
Europe																			
Norway					1.3	0.9				1.4									
Russia and C. Asia																			
Russia	3.4					7.4				2.0		6.4							
Middle East																			
Oman																			
Qatar	2.8								6.9				1.0	0.8			5.4	0.9	
United Arab Emirates																			
Africa																			
Algeria						4.4			1.9				2.3	5.4					
Angola																			
Cameroon																			
Equatorial Guinea																			
Mozambique																			
Nigeria						1.0						1.9	2.2				1.6		
Asia - Pacific																			
Australia																			
Brunei																			
Indonesia																			
Malaysia																			
Papua New Guinea																			
Americas																			
Peru										1.2									
Trinidad and Tobago										1.0									
United States	1.3	1.5	1.5			8.6	4.7	1.5	5.2	14.5		1.4	5.1	5.6	7.0	1.2	1.0		3.5
Non-specified/Others	0.1	0.2	0.9	2.1	0.8	1.3	0.8	0.6	0.7	1.1	6.5	0.3	1.3	1.6	2.5	0.3	1.8	0.1	0.8
TOTAL BY COUNTRY	7.6	1.7	2.5	2.1		23.6	5.5	2.1	14.7	21.2	6.5	3.6	18.2	12.6	10.3	1.5	9.8	1.0	4.3

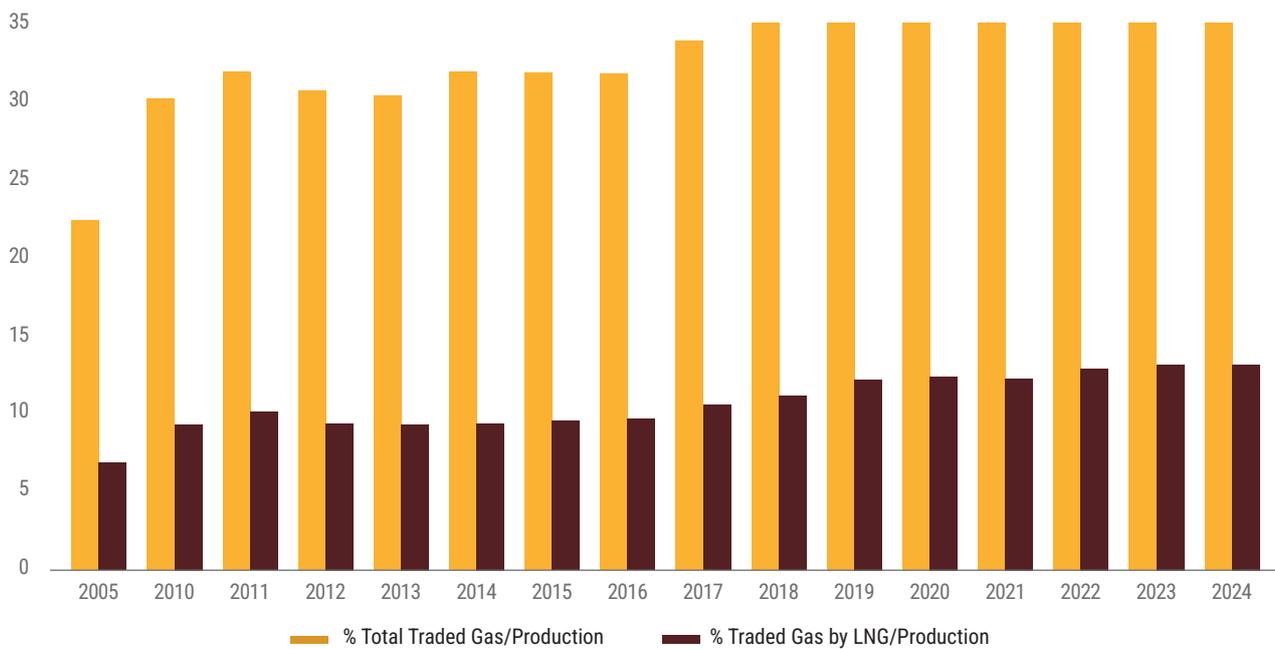
ASIA - PACIFIC											AMERICAS							
Bangladesh	China	India	Japan	Malaysia	Pakistan	Philippines	Singapore	South Korea	Taiwan	Thailand	Argentina	Brazil	Chile	Colombia	Dominican Republic	Others Americas	Non-specified/Other	TOTAL BY COUNTRY
																		3.6
	11.2		7.6					2.7										40.7
1.1	1.5	1.6	4.3					6.5										14.9
4.0	24.8	15.1	3.8		9.3		2.5	12.2	7.0	3.2								99.9
	1.1	4.0	1.1															6.2
		2.5																14.0
		1.1																2.5
		1.3																1.1
	1.2	0.8																1.3
	1.9	1.9	0.8		0.9			1.3										2.0
																		13.3
35.8			33.6	3.5			2.7	14.7	10.8	3.0								104.1
0.9			3.9					0.8										5.6
4.7			4.5					4.0	1.2	0.8								15.1
10.1			13.7					8.2	1.3	2.3								35.6
3.2			4.9					0.7	1.9									10.7
								1.2										2.4
													1.5			1.4		4.0
	6.0	7.3	7.7				1.6	7.6	3.3	3.1	1.5	3.0	1.3	0.8	2.5			109.3
1.3	1.0	1.2	1.6	8.3	2.1	1.7	0.3	1.7	5.8	3.5	0.2	0.4	0.0	0.6	0.1	0.2	3.9	57.7
6.4	103.3	36.7	87.6	11.8	12.4		7.1	61.5	31.3	15.8	1.7	3.4	2.9		2.5	1.6	3.9	543.9

Traded Gas

Total Traded Gas on Production

(percentage)

	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	78	31	7	24
2010	30	70	31	9	22
2011	32	68	32	10	22
2012	31	69	31	9	21
2013	30	70	31	9	21
2014	32	68	30	9	20
2015	32	68	30	10	20
2016	32	68	31	10	21
2017	34	66	31	11	21
2018	37	63	30	11	19
2019	41	59	30	12	18
2020	42	58	30	12	17
2021	41	59	30	12	18
2022	43	57	30	13	17
2023	46	54	29	13	16
2024	45	55	29	13	16



LNG - Liquefaction and Regasification Capacity

Liquefaction Capacity - Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	5.6							
Norway	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Russia and Central Asia	13.0	15.0	38.2	38.3	39.3	40.2	41.6	45.4
Russia	13.0	15.0	38.2	38.3	39.3	40.2	41.6	45.4
Middle East	113.2	136.5	136.5	136.5	137.0	137.7	137.8	137.8
Oman	14.2	14.2	14.2	14.2	14.7	15.3	15.5	15.5
Qatar	83.4	105.6	105.6	105.6	105.7	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	9.1
Africa	82.3	85.5	88.8	86.6	90.9	92.2	96.1	96.8
Algeria	27.9	33.0	33.0	30.8	28.9	28.9	28.9	28.9
Angola		7.1	7.1	7.1	7.1	7.1	7.1	7.1
Cameroon			3.3	3.3	3.2	3.3	3.3	3.3
Congo								0.7
Egypt	16.6	9.8	9.8	9.8	16.0	16.6	16.6	16.6
Equatorial Guinea	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Libya	2.2							
Mozambique						0.8	4.6	4.6
Nigeria	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
Asia - Pacific	114.1	126.8	210.2	212.3	213.9	214.3	215.7	219.6
Australia	28.2	45.1	121.9	123.9	123.9	123.9	123.9	123.8
Brunei	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Indonesia	42.5	27.0	25.3	25.3	25.3	25.3	26.7	30.8
Malaysia	33.7	34.9	41.4	41.4	43.1	43.4	43.4	43.4
Papua New Guinea		10.1	11.9	11.9	11.9	11.9	11.9	11.9
Americas	26.0	28.7	86.4	124.9	130.5	145.5	150.2	151.1
Argentina			0.4	0.5	0.0	0.0	0.0	0.0
Mexico								0.7
Peru	3.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Trinidad and Tobago	20.6	20.6	20.7	20.7	16.3	16.3	16.3	16.3
United States	2.0	2.0	59.4	97.7	108.2	123.2	127.9	128.1
World	354.1	398.2	565.7	604.2	617.1	635.5	646.9	656.3

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

LNG - Liquefaction and Regasification Capacity

Regasification Capacity - Countries^(*)

(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Europe	177.2	203.9	245.0	246.9	249.5	258.0	293.8	311.8
Belgium	11.4	11.4	11.4	11.4	11.4	11.4	11.4	13.9
Croatia					2.6	2.8	2.9	2.9
Finland			0.3	0.5	0.5	0.5	5.0	5.0
France	24.1	22.4	35.4	35.5	34.4	34.4	35.0	39.2
Germany						0.0	12.9	18.0
Greece	5.4	5.4	6.7	6.7	6.7	6.9	7.5	8.1
Italy	11.5	15.3	15.3	15.3	15.3	16.3	19.0	19.2
Lithuania		3.7	3.7	3.7	3.7	3.7	3.7	3.7
Malta			0.6	0.6	0.6	0.6	0.6	0.6
Netherlands		12.0	12.9	12.9	12.9	15.2	21.9	22.2
Poland		0.3	5.0	5.0	5.0	6.2	6.2	6.4
Portugal	5.6	8.3	8.3	8.3	8.3	8.3	7.4	7.3
Spain	63.1	64.2	64.2	64.2	64.2	64.2	67.2	71.2
Türkiye	12.3	12.3	32.6	34.1	35.2	38.8	44.6	45.5
United Kingdom	43.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6
Russia and Central Asia			3.6	3.7	3.7	3.7	3.7	3.7
Russia			3.6	3.7	3.7	3.7	3.7	3.7
Middle East	5.5	17.1	28.5	28.5	35.8	52.2	56.3	56.3
Bahrain						6.9	8.3	8.3
Israel		2.7	2.7	2.7	2.7	1.6		
Jordan		3.1	5.2	5.2	5.2	5.2	5.2	5.2
Kuwait	5.2	6.6	6.6	6.6	13.9	24.5	28.9	28.9
United Arab Emirates	0.3	4.7	14.0	14.0	14.0	14.0	14.0	14.0
Africa		6.0	5.2	5.2	5.2	5.2	4.7	2.0
Egypt		6.0	5.2	5.2	5.2	5.2	4.7	2.0
Asia - Pacific	434.9	569.4	693.1	712.1	749.9	774.0	808.5	848.9
Bangladesh		0.0	8.7	10.3	10.3	10.3	10.3	10.3
China	17.6	62.8	106.2	113.7	134.9	147.3	167.6	197.3
India	18.4	34.1	49.5	57.2	60.3	57.8	63.0	64.6
Indonesia		11.3	12.5	12.5	15.0	15.9	15.9	15.9
Japan	265.4	287.2	299.9	300.5	306.8	308.3	308.6	308.6
Malaysia		5.2	10.0	10.0	10.0	10.0	10.0	10.0
Myanmar				0.7	1.4			
Pakistan		4.6	12.3	12.3	12.3	12.3	12.3	12.3
Philippines							7.6	12.0
Singapore		8.2	15.1	15.1	15.1	15.1	15.1	15.1
South Korea	115.1	128.8	137.5	138.1	142.2	145.1	145.6	148.2
Taiwan	18.5	20.4	25.9	25.9	25.9	25.9	25.9	27.2
Thailand		6.8	15.7	15.7	15.7	26.0	26.0	26.0
Vietnam							0.7	1.4
Americas	188.9	245.8	262.4	271.8	279.9	282.2	285.2	292.1
Argentina	4.1	11.3	13.4	13.4	13.4	13.4	13.4	13.4
Brazil	7.7	17.0	19.0	27.2	34.9	35.3	36.7	46.9
Canada	10.3	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	7.5
Colombia		0.0	4.1	4.1	4.1	4.1	4.5	4.6
Dominican Republic	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9
El Salvador						1.7	2.9	2.9
Jamaica			5.8	5.8	5.8	5.8	5.8	5.8
Mexico	15.5	20.7	20.7	20.7	20.9	21.2	21.2	16.0
Panama			2.4	2.4	2.4	2.4	2.4	4.1
United States ^(**)	143.4	175.3	175.4	176.5	176.7	176.7	176.7	176.7
World	806.5	1,042.3	1,237.8	1,268.1	1,324.0	1,375.1	1,452.3	1,514.7

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

^(**) The United States includes Puerto Rico.

Natural Gas Balance - Italy^(*)

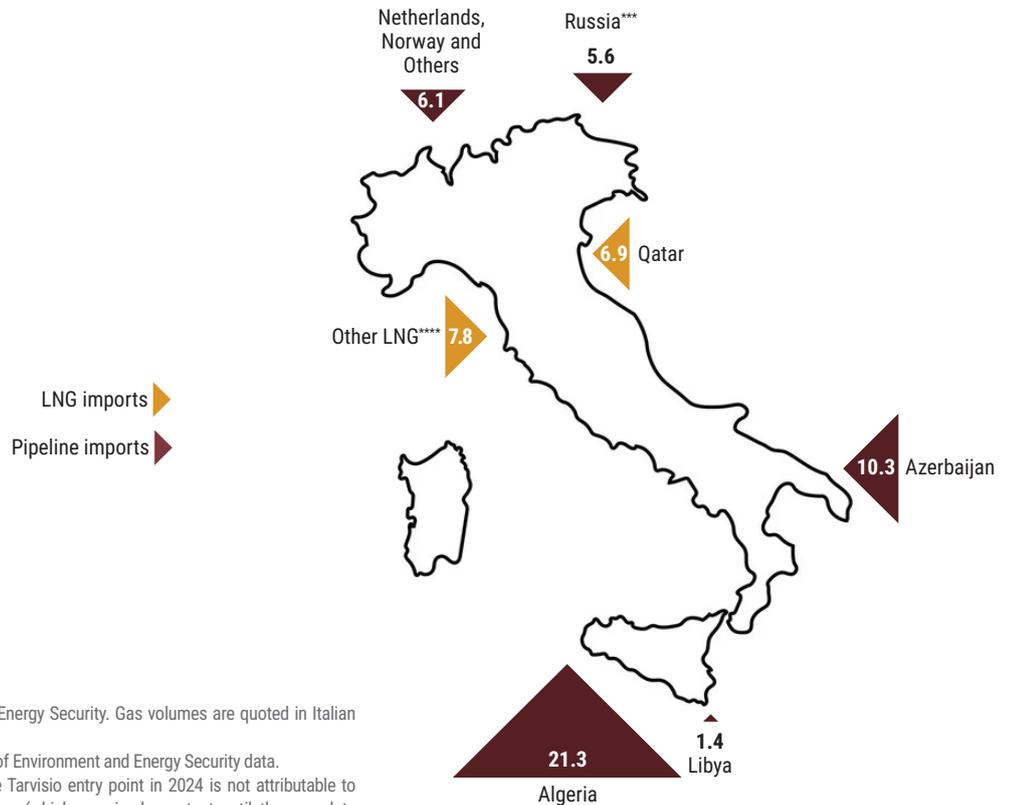
(billion cubic metres)

	2010	2015	2019	2020	2021	2022	2023	2024
Production	8.4	6.8	4.9	4.0	3.3	3.1	2.7	2.6
Imports	75.4	61.3	71.2	66.4	73.0	72.6	61.8	59.5
Exports	-0.1	-0.2	-0.3	-0.3	-1.5	-4.6	-2.6	-0.6
Stock Changes	0.5	0.3	-1.1	1.1	1.6	-2.6	-0.5	0.4
Total Primary Energy Supply	83.1	67.5	76.9	69.0	73.2	73.7	61.5	61.8

2024



Imports 2024^(**)



^(*) Data source: Italian Ministry of Environment and Energy Security. Gas volumes are quoted in Italian calorific value of 38.1 MJ/cm.

^(**) Data source: Eni's elaborations on Italian Ministry of Environment and Energy Security data.

^(***) The temporary increase in gas imports from the Tarvisio entry point in 2024 is not attributable to an increase in gas imports from Russia via Ukraine (which remained constant until the complete interruption on January 1, 2025), but rather to higher withdrawals from Austrian storage facilities, which are statistically attributed to Russia.

^(****) Of which 1.9 from Algeria and 5.2 from U.S.

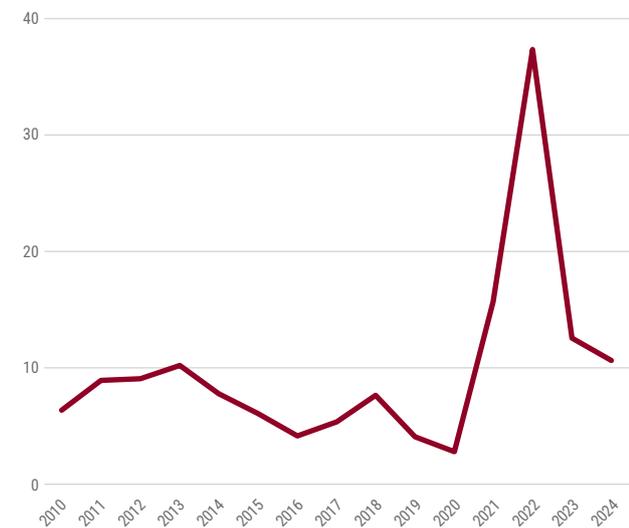
Natural Gas Prices

Natural Gas Prices

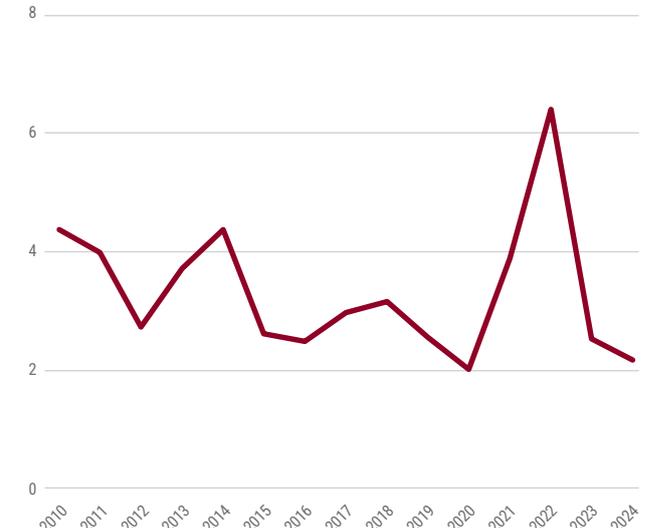
(\$/Mbtu)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
TTF	6.7	6.4	4.5	3.2	15.9	37.3	12.8	10.9	-15.2%	3.5%
Henry Hub	4.4	2.6	2.6	2.0	3.9	6.4	2.5	2.2	-13.8%	-4.8%
Japan ^(*)	7.7	7.9	5.9	4.7	18.8	33.7	13.7	12.1	-11.8%	3.2%

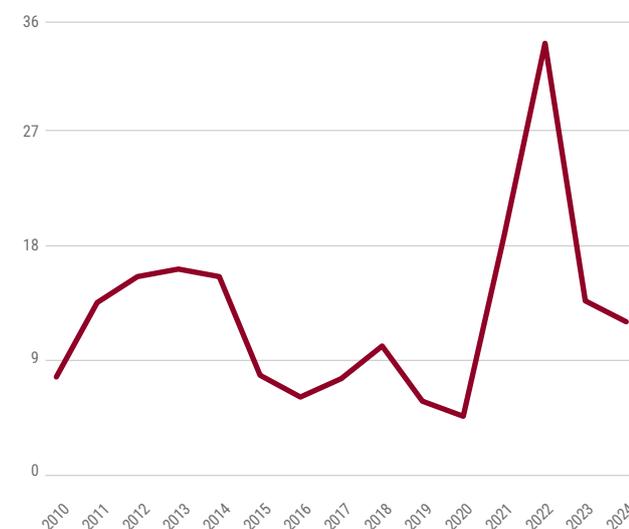
TTF
(\$/Mbtu)



Henry Hub
(\$/Mbtu)



Japan^(*)
(\$/Mbtu)



^(*) Data source: Woodmackenzie and EIA DOE.





Coal

In 2024, **global coal demand** reached approximately 8,440 Mton, marking a 1.4% increase compared to 2023. This growth was mainly driven by higher consumption in Asia, particularly in China (around +2%) and India (around +3%), partially offset by reductions observed in the European Union (about -11%) and North America (about -5%). China remains the world's largest coal consumer, accounting for over 55% of global demand, and shows a growing trend with a CAGR of 2.4% from 2010 to 2024.

In terms of **production**, China maintains its position as the global leader, contributing over 50% to worldwide coal production, with a CAGR of 2.3% in the period 2010-2024.

Coal

PRODUCTION

Areas and Aggregates

The World's Top 10 Production

CONSUMPTION

Areas and Aggregates

The World's Top 10 Consumption

Production

Areas and Aggregates^(*)

(Mton)

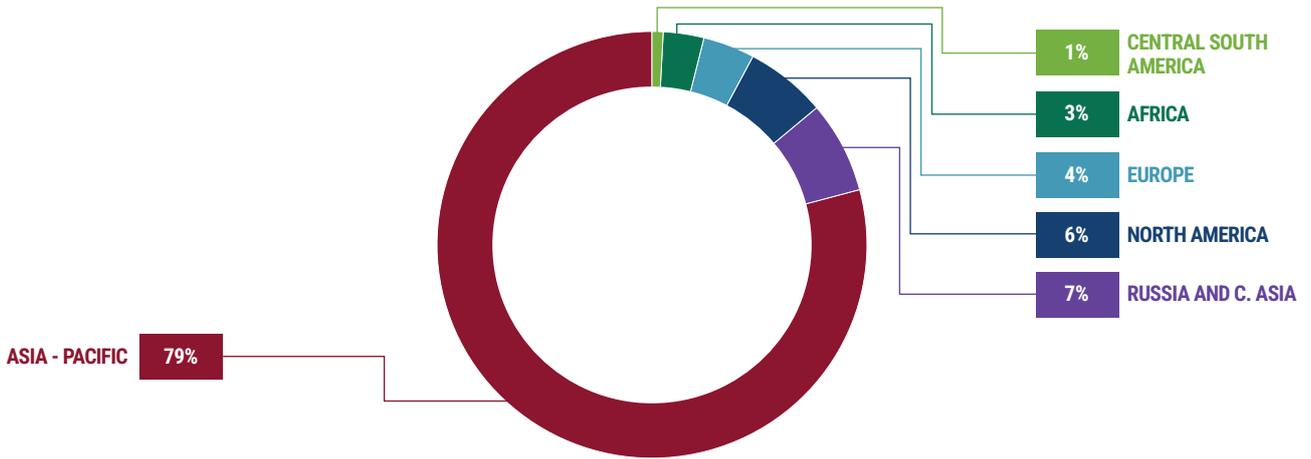
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	658	582	479	409	440	453	371	344	-7.4%	-4.5%
Russia and Central Asia	469	514	631	575	623	612	607	608	0.1%	1.9%
Middle East	1	1	2	2	2	2	2	2	-8.8%	4.3%
Africa	289	301	307	295	285	288	291	295	1.5%	0.2%
Asia - Pacific	4,715	5,277	5,705	5,658	5,972	6,384	6,728	6,934	3.1%	2.8%
Americas	1,292	1,096	896	671	722	741	726	645	-11.2%	-4.8%
- North America	1,165	957	763	582	626	643	628	556	-11.5%	-5.2%
- Central South America	127	139	133	89	96	98	99	89	-9.4%	-2.5%
World	7,425	7,772	8,019	7,610	8,044	8,480	8,726	8,828	1.2%	1.2%
European Union	459	431	328	270	299	310	246	218	-11.5%	-5.2%
MENA	1	1	2	2	2	2	2	2	-8.8%	4.3%
OECD	2,184	2,050	1,748	1,462	1,499	1,522	1,427	1,362	-4.6%	-3.3%
NON OECD	5,241	5,722	6,271	6,148	6,545	6,958	7,300	7,466	2.3%	2.6%
OPEC	6	3	3	4	4	4	4	4	-3.6%	-2.1%
NON OPEC	7,419	7,769	8,016	7,606	8,040	8,476	8,722	8,824	1.2%	1.2%

^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* data. All rights reserved.

Production

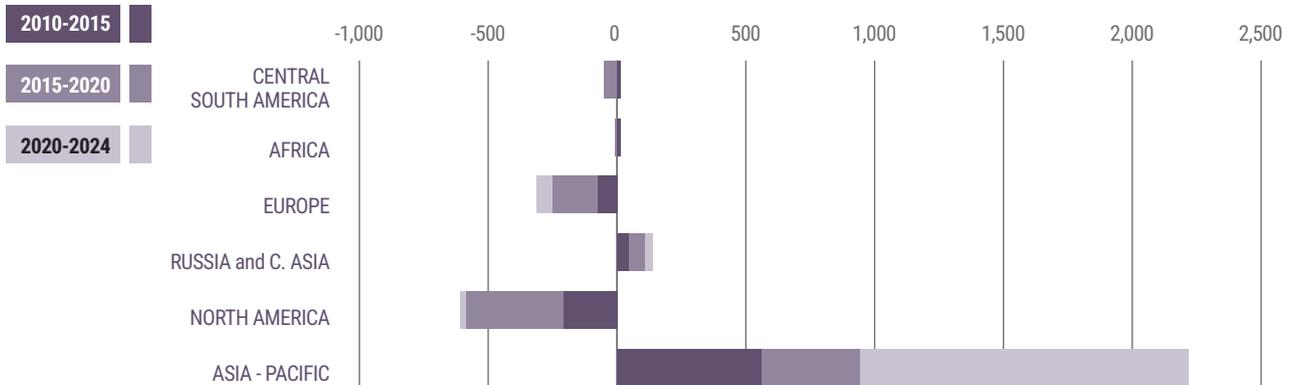
Coal Production (2024)

8,828 Mton



Coal Production Growth (2010-2024)

1,404 Mton



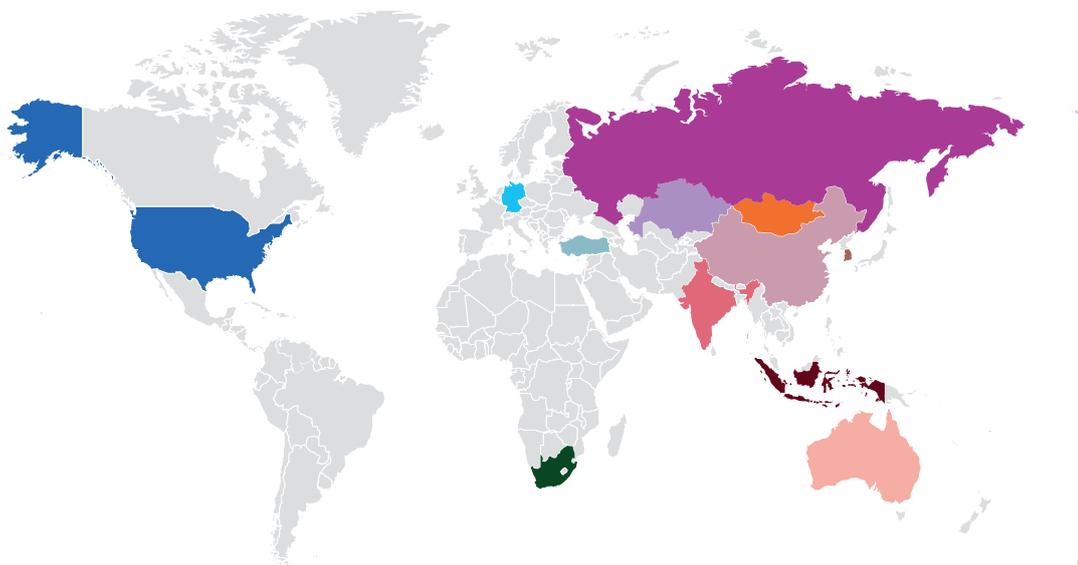
Production

The World's Top 10 Production^(*)

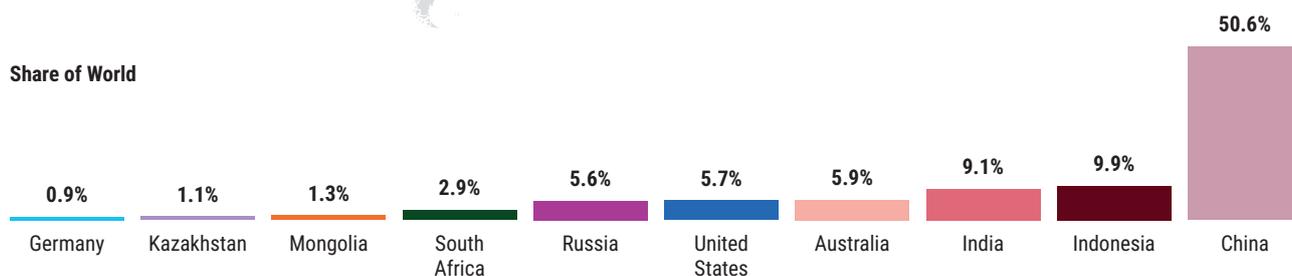
(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
China	3,269	3,537	3,719	3,777	4,024	4,277	4,424	4,470	1.0%	2.3%
Indonesia	385	501	658	599	652	714	810	874	7.8%	6.0%
India	430	531	576	556	611	695	769	805	4.7%	4.6%
Australia	476	567	561	550	512	510	482	520	8.0%	0.6%
United States	1,097	896	709	535	577	593	577	506	-12.3%	-5.4%
Russia	364	423	527	472	515	496	488	493	1.1%	2.2%
South Africa	283	284	284	276	261	256	258	260	1.0%	-0.6%
Mongolia	31	26	50	44	39	43	97	118	21.3%	9.9%
Kazakhstan	99	82	93	92	95	101	104	99	-4.7%	0.0%
Germany	166	165	117	96	113	117	90	81	-10.1%	-5.0%
The World's Top 10	6,600	7,014	7,296	6,995	7,400	7,803	8,097	8,225	1.6%	1.6%
Rest of the World	824	759	723	615	644	678	629	603	-4.2%	-2.2%
World	7,425	7,772	8,019	7,610	8,044	8,480	8,726	8,828	1.2%	1.2%

The World's Top 10 (2024)



Share of World



^(*) Data source: IEA (2025) *Extended Balances*. All rights reserved.

Consumption

Areas and Aggregates^(*)

(Mton)

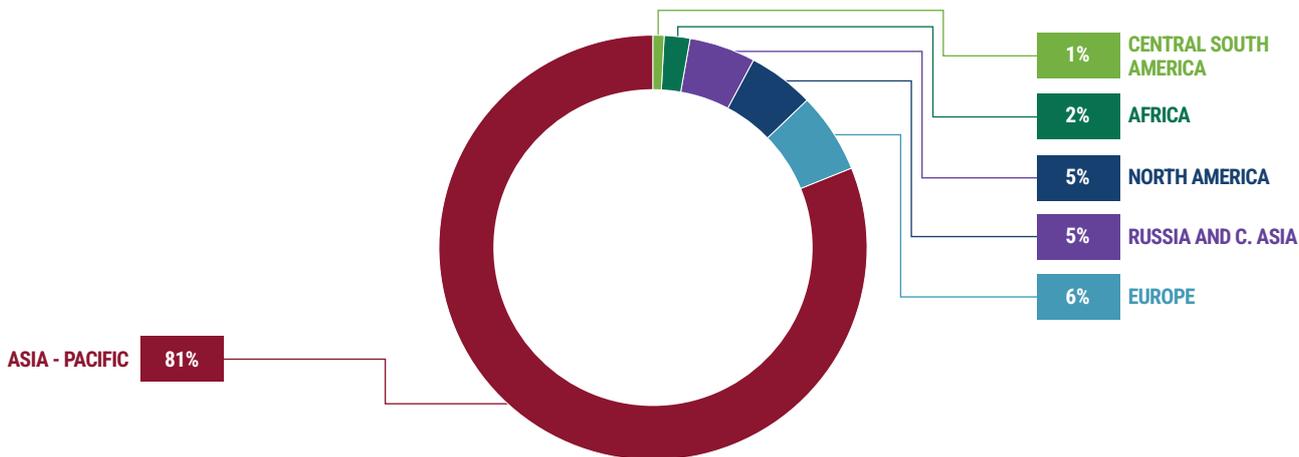
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	915	866	687	589	655	642	524	486	-7.3%	-4.4%
Russia and Central Asia	328	331	358	340	365	395	396	413	4.3%	1.7%
Middle East	18	16	15	15	15	15	13	12	-11.0%	-2.9%
Africa	213	207	228	210	211	201	203	209	3.1%	-0.1%
Asia - Pacific	4,718	5,369	5,720	5,757	6,162	6,320	6,669	6,822	2.3%	2.7%
Americas	1,177	925	697	570	642	598	519	495	-4.6%	-6.0%
- North America	1,104	838	611	497	565	527	449	425	-5.4%	-6.6%
- Central South America	73	87	86	73	77	71	70	70	-0.1%	-0.3%
World	7,368	7,714	7,706	7,480	8,050	8,171	8,324	8,436	1.4%	1.0%
European Union	642	617	458	373	432	437	335	297	-11.4%	-5.4%
MENA	24	25	32	30	32	32	30	29	-4.5%	1.4%
OECD	2,230	1,948	1,558	1,314	1,446	1,397	1,200	1,127	-6.1%	-4.8%
NON OECD	5,139	5,766	6,148	6,166	6,604	6,774	7,124	7,309	2.6%	2.5%
OPEC	4	4	6	7	9	8	8	7	-13.2%	4.0%
NON OPEC	7,364	7,710	7,700	7,473	8,041	8,163	8,316	8,429	1.4%	1.0%

^(*) Data source: Eni's calculations on IEA (2025) *Extended Balances* data. All rights reserved.

Consumption

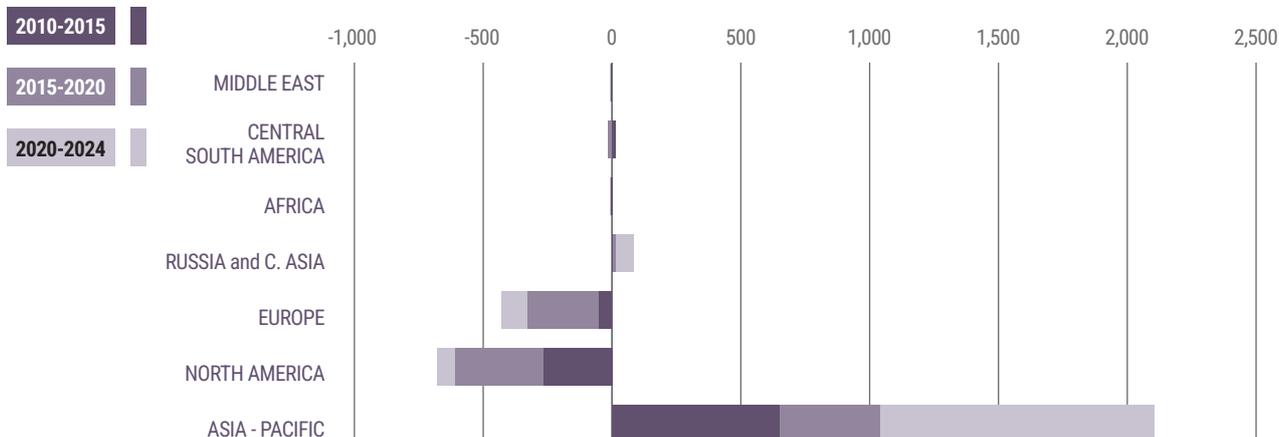
Coal Consumption (2024)

8,436 Mton



Coal Consumption Growth (2010-2024)

1,068 Mton



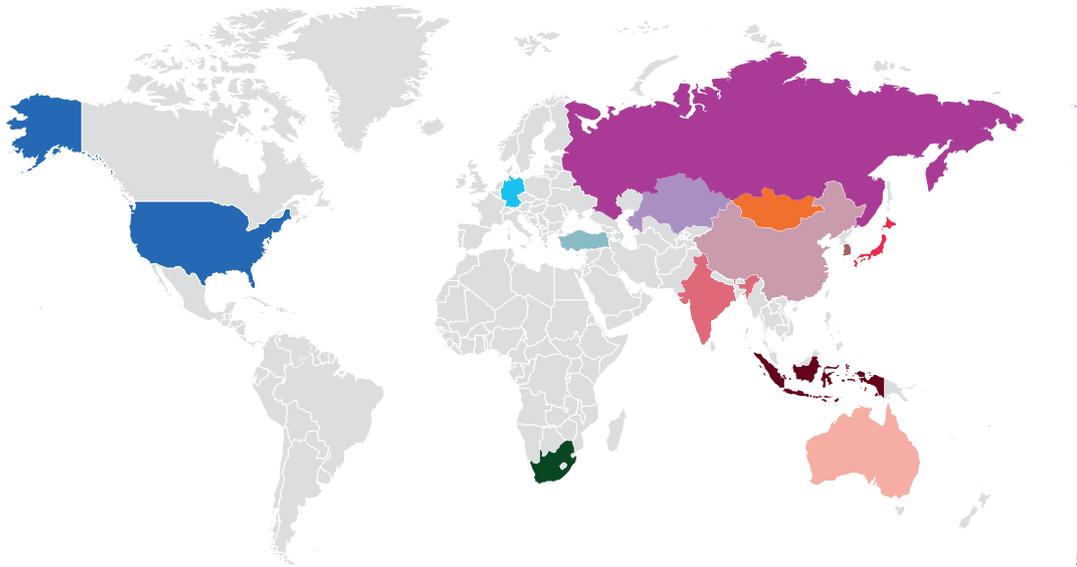
Consumption

The World's Top 10 Consumption^(*)

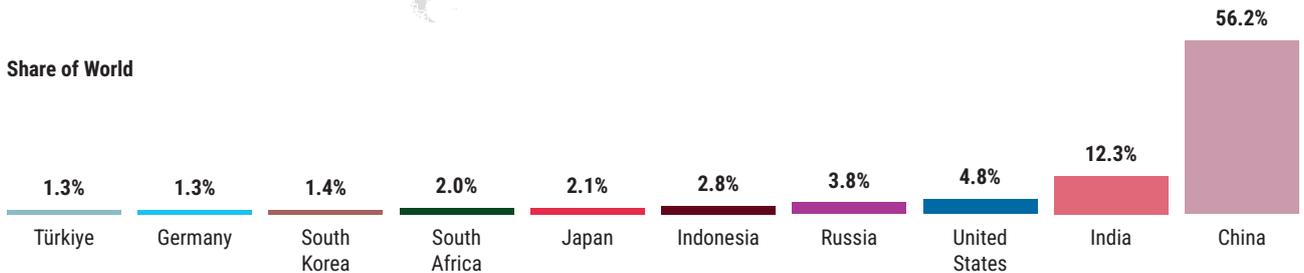
(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
China	3,386	3,768	3,913	4,017	4,295	4,393	4,660	4,742	1.8%	2.4%
India	543	747	799	755	859	919	1,002	1,034	3.2%	4.7%
United States	1,051	795	581	474	538	507	429	404	-5.7%	-6.6%
Russia	252	264	278	258	281	305	301	320	6.2%	1.7%
Indonesia	53	88	140	150	168	187	197	236	19.5%	11.3%
Japan	211	220	206	188	205	201	184	180	-1.9%	-1.1%
South Africa	197	186	196	181	178	165	166	171	3.0%	-1.0%
South Korea	128	141	144	128	130	128	124	116	-6.1%	-0.7%
Germany	228	233	168	135	161	167	127	112	-11.8%	-5.0%
Türkiye	91	91	114	105	113	116	106	110	4.0%	1.4%
The World's Top 10	6,140	6,534	6,540	6,391	6,929	7,088	7,295	7,425	1.8%	1.4%
Rest of the World	1,228	1,181	1,166	1,090	1,121	1,083	1,029	1,011	-1.7%	-1.4%
World	7,368	7,714	7,706	7,480	8,050	8,171	8,324	8,436	1.4%	1.0%

The World's Top 10 (2024)



Share of World



^(*) Data source: IEA (2025) *Extended Balances*. All rights reserved.





CO₂ emissions

In 2024, the **global energy-related CO₂ emissions** increased by 0.8%, reaching a new record of nearly 38 Gt. The increase was driven by emerging and developing Countries, while advanced economies posted a further decline.

China remains the world's largest contributor, accounting for about one-third of global emissions. Despite the economic slowdown and the real estate crisis, its emissions rose by 0.4% in 2024, supported by a rebound in industrial production and increased coal use.

India recorded the fastest growth among major economies (+5.3%), consolidating its position as the third-largest emitter globally, after China and the United States. Since 2010, its emissions have grown at an average annual rate of over 4%, indicating a structurally upward trajectory.

In the United States (first Country until 2005), emissions fell by a further 0.5% in 2024, mainly due to the closure of coal-fired power plants, replaced by natural gas and renewables. Overall, compared to 2010, the decline amounts to roughly 16%.

The comparison between OECD and non-OECD areas highlights an increasingly significant difference. From 2010 to 2024, advanced economies have reduced their emissions by nearly 17%, driven by energy efficiency, coal-to-gas switching, and the growth of renewables. In non-OECD Countries, however, emissions increased by about 38%, mainly fueled by industrialization processes.

CO₂ emissions

CO₂ EMISSIONS

Areas and Aggregates

The World's Top 10

Countries

CO₂ EMISSIONS BY SECTOR AND FUEL

World

Main countries

CO₂ emissions

Areas and Aggregates^(*)

(Gton)

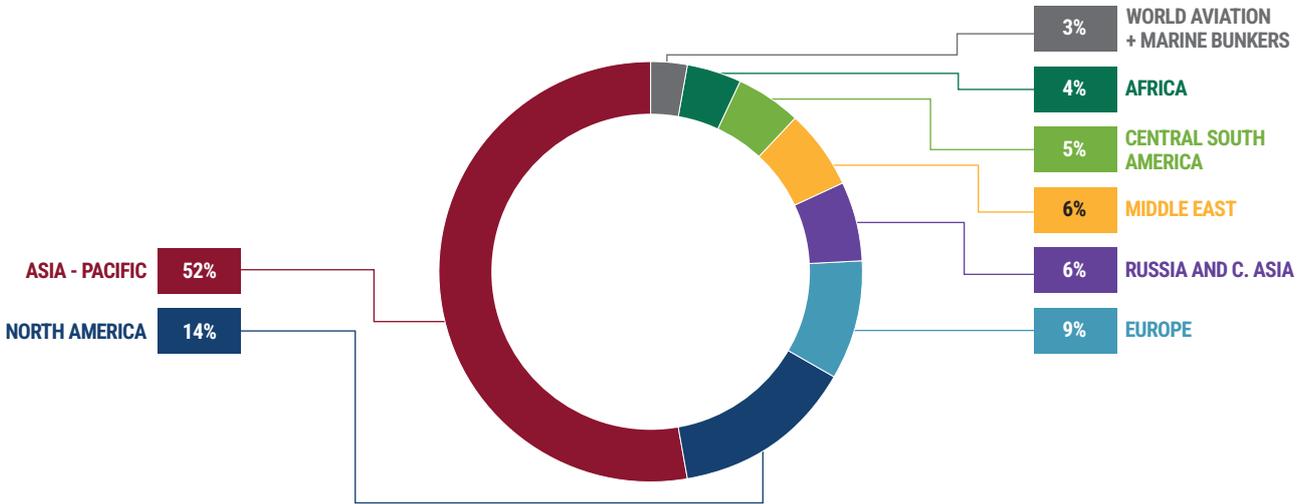
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Europe	4.4	3.7	3.8	3.5	3.7	3.5	3.3		-6.9%	-2.2%
Russia and Central Asia	2.0	1.9	2.0	2.0	2.2	2.2	2.2		2.5%	0.9%
Middle East	1.6	1.8	1.9	1.9	1.9	2.0	2.1		2.7%	2.3%
Africa	1.0	1.2	1.3	1.2	1.3	1.3	1.3		0.8%	1.7%
Asia - Pacific	13.8	16.2	17.3	17.0	17.9	18.1	18.8		3.9%	2.4%
Americas	7.5	7.2	7.0	6.2	6.7	6.8	6.6		-2.7%	-1.0%
- North America	5.9	5.5	5.4	4.8	5.1	5.2	5.0	5.1	1.1%	-1.1%
- Central South America	1.5	1.7	1.6	1.4	1.5	1.6	1.6		0.8%	0.3%
World Marine bunkers	0.5	0.5	0.6	0.3	0.3	0.5	0.6		21.8%	1.3%
World Aviation bunkers	0.7	0.7	0.7	0.6	0.7	0.7	0.7		0.0%	0.0%
World	31.4	33.2	34.5	32.7	34.6	35.1	35.6	35.8	0.8%	0.9%
World (included process emissions)	32.6	34.7	36.3	34.4	36.3	36.8	37.3	37.6	0.8%	1.0%
European Union 27	3.1	2.6	2.7	2.4	2.6	2.5	2.3	2.2	-3.6%	-2.5%
MENA	2.0	2.3	2.4	2.3	2.5	2.6	2.6		2.7%	2.3%
OECD	12.6	11.6	11.4	10.4	11.0	11.0	10.5	10.4	-0.4%	-1.3%
NON OECD	18.9	21.6	23.1	22.3	23.6	24.1	25.1	25.4	1.3%	2.1%
OPEC	1.6	1.9	1.9	1.9	2.0	2.1	2.1		2.4%	2.1%
NON OPEC	29.8	31.3	32.6	30.8	32.6	33.0	33.4		1.4%	0.9%

^(*) Data Source: IEA (2025) Greenhouse Gas Emissions from Energy. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

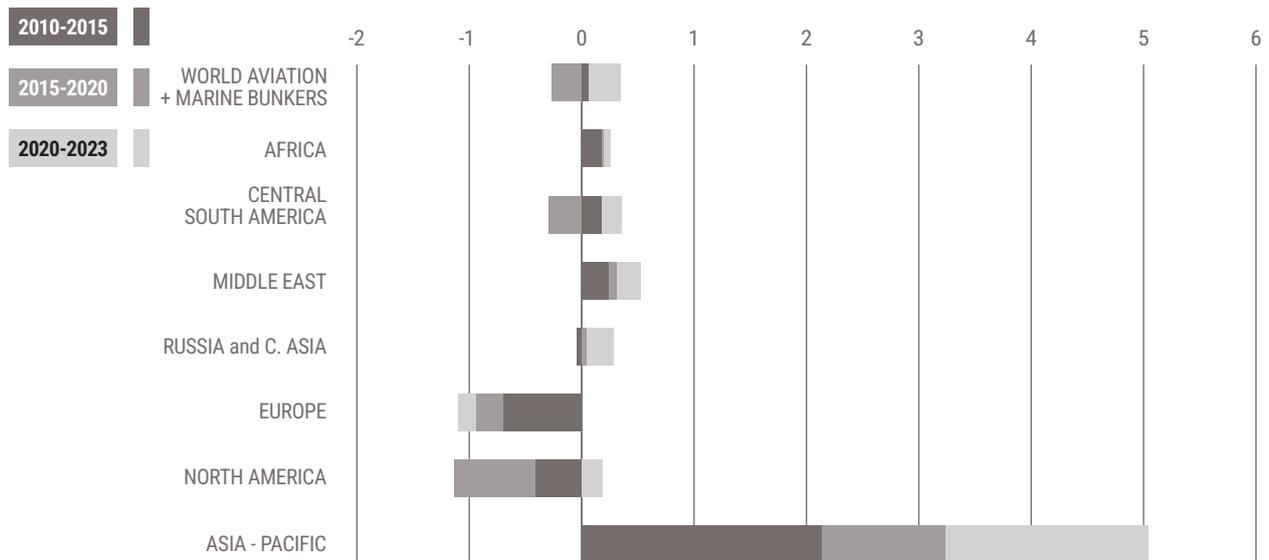
CO₂ emissions

CO₂ (2023)
35.6 Gton



CO₂ Growth (2010-2023)

4.2 Gton



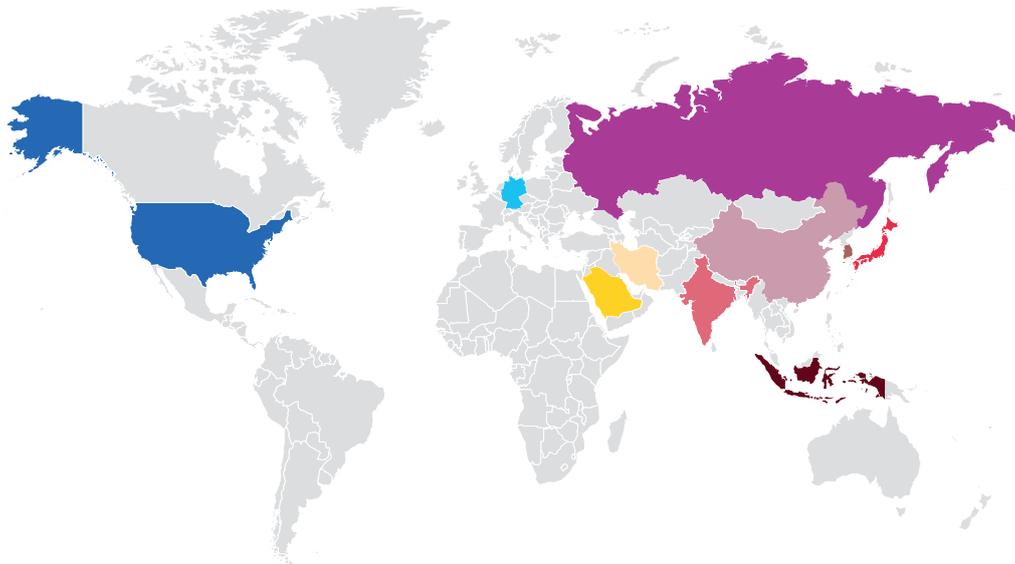
CO₂ emissions

The World's Top 10^(*)

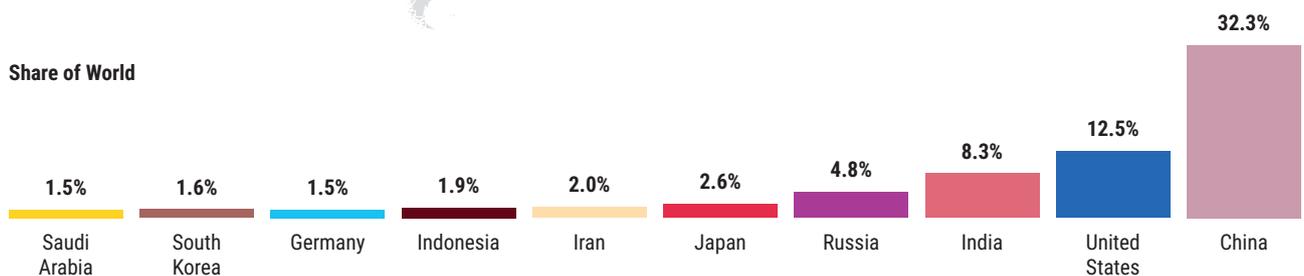
(Gton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
China	8.3	9.8	10.4	10.5	11.0	11.1	11.6	11.6	0.4%	2.4%
United States	5.4	5.0	4.8	4.3	4.6	4.7	4.5	4.5	1.1%	-1.3%
India	1.8	2.3	2.5	2.3	2.5	2.7	3.0	3.1	5.3%	4.2%
Russia	1.5	1.5	1.6	1.5	1.7	1.7	1.7	1.7	0.0%	0.7%
Japan	1.1	1.2	1.1	1.0	1.0	1.0	0.9	0.9	-3.4%	-1.6%
Iran	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.0%	2.7%
Indonesia	0.4	0.5	0.6	0.6	0.6	0.7	0.7	0.7	5.8%	4.8%
South Korea	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.1%	-0.2%
Germany	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	-6.5%	-2.7%
Saudi Arabia	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0%	1.7%
The World's Top 10	20.8	22.7	23.3	22.5	23.9	24.2	24.7	25.0	0.9%	1.3%
Rest of the World	10.6	10.5	11.2	10.2	10.7	10.8	10.8	10.9	0.6%	0.2%
World	31.4	33.2	34.5	32.7	34.6	35.1	35.6	35.8	0.8%	0.9%
World (included process emissions)	32.6	34.7	36.3	34.4	36.3	36.8	37.3	37.6	0.8%	1.0%

The World's Top 10 (2024)



Share of World



^(*) Data Source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ emissions

Countries^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Europe	4,401.3	3,708.7	3,771.2	3,456.2	3,684.9	3,542.6	3,299.1		-6.9%	-2.2%
Albania	3.9	3.8	4.1	3.4	3.9	3.6	3.4	3.6	8.0%	-0.6%
Austria	68.3	61.6	62.8	57.4	60.0	56.7	52.8	51.8	-1.8%	-2.0%
Belarus	59.5	52.6	55.4	52.5	53.1	50.5	49.7		-1.6%	-1.4%
Belgium	104.4	92.8	89.8	82.4	86.2	80.5	76.9	78.8	2.5%	-2.0%
Bosnia and Herzegovina	20.5	19.3	20.8	20.5	20.7	20.6	19.1	19.0	-0.7%	-0.6%
Bulgaria	43.9	43.5	38.1	33.1	38.7	42.9	31.3	29.9	-4.4%	-2.7%
Croatia	18.2	15.4	15.3	14.4	15.1	15.7	16.5	16.3	-1.6%	-0.8%
Cyprus	7.3	6.0	6.4	5.9	6.0	6.1	6.1	6.2	2.7%	-1.2%
Czech Republic	112.7	99.6	95.8	87.3	92.1	90.7	79.7	74.8	-6.1%	-2.9%
Denmark	47.3	32.5	28.4	26.0	27.7	26.8	24.5	23.2	-5.5%	-5.0%
Estonia	18.1	14.2	9.8	7.0	8.3	9.9	6.5	6.3	-2.9%	-7.2%
Finland	61.5	41.9	40.2	35.6	35.5	33.7	29.4	27.2	-7.6%	-5.7%
France	340.0	306.2	296.3	262.1	294.8	285.6	262.7	253.5	-3.5%	-2.1%
Germany	769.5	739.7	655.1	602.3	627.8	620.0	558.1	522.0	-6.5%	-2.7%
Gibraltar	0.4	0.3	0.4	0.3	0.3	0.3	0.3		4.3%	-2.2%
Greece	83.4	64.5	56.6	48.0	49.7	50.8	47.0	47.9	1.8%	-3.9%
Hungary	47.1	42.7	45.5	43.7	45.0	42.5	37.7	37.2	-1.3%	-1.7%
Iceland	1.9	2.0	1.6	1.4	1.6	1.6	1.6	1.6	0.5%	-1.6%
Ireland	39.2	35.4	33.9	31.9	33.7	33.0	30.2	30.0	-0.5%	-1.9%
Italy	392.0	329.7	309.3	274.2	306.8	310.3	284.1	267.1	-6.0%	-2.7%
Kosovo	8.7	8.6	8.6	8.5	8.7	8.5	7.8	8.8	12.8%	0.0%
Latvia	8.1	6.8	7.0	6.4	6.6	6.0	6.0	6.0	0.0%	-2.1%
Lithuania	12.3	10.5	11.2	11.1	11.5	11.0	10.9	11.5	5.3%	-0.5%
Luxembourg	10.7	8.8	9.1	7.5	7.9	6.8	6.4	6.2	-3.3%	-3.8%
Malta	2.6	1.7	1.7	1.6	1.6	1.8	1.8		-0.5%	-2.8%
Moldova	7.9	7.6	8.3	8.0	8.8	7.5	7.5	7.8	5.0%	-0.1%
Montenegro	2.6	2.4	2.6	2.5	2.6	2.6	2.8	2.6	-5.8%	0.0%
Netherlands	171.7	157.5	146.0	130.2	134.1	121.7	112.0	112.7	0.6%	-3.0%
North Macedonia	8.3	7.1	8.0	6.8	6.9	7.6	7.5	6.8	-9.1%	-1.4%
Norway	39.6	39.8	37.4	36.0	36.2	35.6	34.3	35.2	2.8%	-0.8%
Poland	307.5	28.3	287.1	272.4	299.4	285.2	258.3	247.8	-4.0%	-1.5%
Portugal	47.6	46.9	42.3	36.5	35.0	35.7	33.5	30.9	-7.8%	-3.0%
Romania	74.8	69.9	70.1	64.7	69.8	66.5	62.5	62.0	-0.7%	-1.3%
Serbia	46.1	44.7	45.3	45.4	44.2	45.0	43.9	42.9	-2.2%	-0.5%
Slovakia	34.6	29.4	29.6	27.6	30.6	28.1	27.4	25.8	-6.0%	-2.1%
Slovenia	15.4	12.8	13.1	12.0	12.3	12.0	11.3	12.0	6.2%	-1.8%
Spain	262.9	248.0	232.8	194.5	211.6	218.0	200.5	202.1	0.8%	-1.9%
Sweden	46.7	37.6	33.9	32.7	35.2	32.3	31.4	34.4	9.4%	-2.2%
Switzerland	42.9	37.1	35.2	33.0	34.5	31.5	30.7	30.4	-1.1%	-2.4%
Türkiye	267.8	319.0	366.4	366.2	400.8	390.0	392.3	405.6	3.4%	3.0%
Ukraine	266.0	187.4	170.4	161.4	159.6	101.3	103.8		2.5%	-7.0%
United Kingdom	477.1	392.8	339.6	301.7	320.4	306.3	289.0	276.7	-4.3%	-3.8%

^(*) Data Source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ emissions

Countries^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Russia and Central Asia	1,969.9	1,933.4	2,033.2	1,969.9	2,163.1	2,165.2	2,220.4		2.5%	0.9%
Armenia	4.0	5.1	5.9	6.3	6.9	7.0	6.7	7.0	4.6%	4.0%
Azerbaijan	23.4	30.5	33.2	32.0	34.0	36.4	38.4	37.5	-2.4%	3.4%
Georgia	5.0	8.7	9.5	9.3	9.9	11.0	11.1	10.8	-2.5%	5.7%
Kazakhstan	213.4	177.1	198.1	204.0	220.8	225.1	237.3	236.1	-0.5%	0.7%
Kyrgyzstan	6.0	9.6	9.1	8.3	9.2	9.1	9.2		1.5%	3.3%
Russia	1,538.4	1,543.2	1,602.9	1,529.1	1,672.8	1,668.6	1,703.9		2.1%	0.8%
Tajikistan	2.3	4.2	6.9	7.3	7.4	7.6	7.8		2.4%	9.8%
Turkmenistan	56.9	60.6	66.2	63.2	82.7	84.2	85.4		1.4%	3.2%
Uzbekistan	120.4	94.4	101.5	110.5	119.5	116.2	120.6		3.8%	0.0%
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Middle East	1,558.0	1,793.3	1,890.2	1,865.3	1,944.7	2,029.7	2,084.3		2.7%	2.3%
Bahrain	25.5	30.1	32.6	32.1	33.0	34.9	35.9		2.6%	2.6%
Iran	503.3	561.0	631.5	650.9	692.9	715.4	733.4		2.5%	2.9%
Iraq	89.2	99.9	148.4	140.0	154.0	174.5	186.2		6.7%	5.8%
Israel	68.4	64.0	61.7	57.7	57.0	59.6	56.4	56.9	0.8%	-1.3%
Jordan	18.8	23.7	21.6	19.4	20.2	21.7	23.9		10.3%	1.9%
Kuwait	77.2	88.4	89.4	85.6	92.2	94.3	101.7		7.9%	2.1%
Lebanon	18.3	24.6	25.5	20.9	16.1	9.7	11.6		19.6%	-3.4%
Oman	42.5	63.7	67.9	64.2	69.3	74.9	77.8		3.8%	4.8%
Qatar	59.8	84.8	91.1	88.5	90.3	94.8	94.8		-0.1%	3.6%
Saudi Arabia	423.2	535.8	502.0	492.6	506.7	537.3	539.0		0.3%	1.9%
Syria	57.4	26.0	27.8	26.5	23.7	23.2	24.9		7.3%	-6.2%
United Arab Emirates	152.1	179.7	174.2	171.9	174.5	174.2	184.3		5.8%	1.5%
Yemen	22.4	11.5	16.4	15.0	14.6	15.2	14.5		-4.4%	-3.3%

^(*) Data Source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ emissions

Countries^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Africa	1,038.3	1,205.7	1,275.9	1,227.4	1,295.3	1,282.5	1,293.4		0.8%	1.7%
Algeria	95.7	130.1	142.1	134.3	144.0	151.0	154.5		2.3%	3.8%
Angola	14.3	21.8	20.8	14.5	18.7	20.3	22.0		8.7%	3.4%
Benin	4.6	5.3	7.1	7.6	5.5	5.8	7.1		22.2%	3.4%
Cameroon	5.1	6.0	6.7	6.9	6.4	6.4	6.1		-3.4%	1.5%
Chad	1.2	1.9	1.8	1.9	2.1	2.1	2.1		1.7%	4.4%
Republic of the Congo	1.8	3.2	3.2	3.7	3.7	3.7	3.9		4.3%	5.9%
Côte d'Ivoire	6.2	9.7	10.9	10.8	14.6	15.3	16.7		9.1%	7.9%
Dem. Rep. Congo	1.9	2.8	2.2	3.1	3.3	3.5	3.5		-2.7%	4.8%
Egypt	177.1	199.8	194.8	205.4	226.2	229.8	242.3		5.5%	2.4%
Equatorial Guinea	2.9	3.3	3.1	2.8	2.9	3.2	3.3		5.1%	0.9%
Ethiopia	5.8	10.0	14.3	12.9	14.0	14.8	14.5		-2.1%	7.3%
Gabon	2.7	3.2	2.5	2.4	2.5	2.5	2.6		2.8%	-0.1%
Ghana	10.2	13.8	17.4	19.3	20.3	19.9	21.0		5.6%	5.7%
Kenya	11.5	14.2	16.6	15.7	17.4	17.7	17.7	17.9	1.3%	3.2%
Libya	52.5	47.5	47.0	40.9	46.6	47.6	48.1		1.2%	-0.7%
Madagascar	1.8	3.2	3.9	2.9	3.7	4.1	3.9		-4.3%	6.1%
Mauritania	2.4	3.5	3.9	4.1	4.3	4.4	4.6		3.5%	5.2%
Morocco	46.4	55.2	66.0	62.2	67.4	67.2	65.4	67.5	3.3%	2.7%
Mozambique	2.3	4.9	6.5	5.8	7.0	7.8	7.8		0.5%	9.7%
Namibia	2.6	3.2	3.4	3.2	3.3	3.2	3.4		5.3%	2.0%
Niger	1.4	2.0	2.1	2.1	2.3	2.9	3.7		28.0%	8.0%
Nigeria	59.5	92.3	98.5	92.9	101.6	102.4	97.5		-4.8%	3.9%
Rwanda	0.7	1.0	1.3	1.2	1.4	1.8	1.9		4.1%	8.2%
Senegal	5.5	7.5	8.3	8.0	10.1	11.3	10.5		-7.3%	5.2%
South Africa	420.3	421.4	438.9	418.7	409.5	369.2	364.7		-1.2%	-1.1%
Sudan	15.1	16.9	19.7	18.2	20.1	18.0	12.5		-30.8%	-1.5%
Tanzania	6.3	11.9	14.2	13.5	15.8	17.9	18.1		1.1%	8.5%
Tunisia	23.3	25.6	26.3	25.2	26.9	26.5	25.4		-4.1%	0.7%
Uganda	3.1	4.6	5.6	5.5	6.1	6.0	6.7		11.7%	6.0%
Zambia	2.5	4.7	7.5	7.9	7.9	9.0	9.7		7.0%	10.9%
Zimbabwe	9.2	11.6	11.5	9.4	10.3	12.3	14.3		16.5%	3.5%
Other Africa	42.5	63.7	67.9	64.2	69.3	74.9	77.8			

^(*) Data Source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ emissions

Countries^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Asia - Pacific	13,841.8	16,171.4	17,254.6	17,037.6	17,879.1	18,131.1	18,837.6		3.9%	2.4%
Australia	391.9	378.7	383.2	369.1	360.9	354.9	355.4	348.6	-1.9%	-0.8%
Bangladesh	50.0	71.7	95.3	92.4	103.7	111.4	105.8		-5.0%	5.9%
Brunei	6.9	6.0	6.7	9.4	8.9	8.6	8.6		0.6%	1.8%
China	8,349.6	9,789.3	10,393.2	10,482.3	11,042.2	11,056.8	11,561.6		4.6%	2.5%
India	1,755.9	2,303.2	2,492.3	2,320.4	2,524.0	2,745.6	2,984.6		8.7%	4.2%
Indonesia	367.2	480.9	572.7	560.8	600.4	652.3	670.7		2.8%	4.7%
Japan	1,138.9	1,159.1	1,053.8	996.0	1,011.9	987.8	943.4	911.2	-3.4%	-1.6%
Malaysia	190.9	220.4	231.6	226.0	225.6	253.4	252.5		-0.4%	2.2%
Mongolia	14.1	17.1	22.6	20.7	22.6	23.7	26.0		10.1%	4.8%
Myanmar	7.9	18.7	31.5	31.1	28.3	26.3	28.6		8.9%	10.4%
Nepal	4.1	5.7	9.7	13.3	13.9	10.1	10.8		6.4%	7.7%
New Zealand	30.4	31.5	33.0	30.7	31.1	28.7	28.3	27.9	-1.5%	-0.6%
North Korea	46.5	29.3	70.4	66.2	54.3	56.6	59.5		5.2%	1.9%
Pakistan	129.2	150.7	168.0	189.6	194.3	154.8	154.6		-0.2%	1.4%
Philippines	75.2	100.7	134.3	124.2	132.2	137.5	152.7		11.0%	5.6%
Singapore	42.4	45.4	45.1	43.7	45.5	45.8	45.5		-0.7%	0.5%
South Korea	571.7	593.6	613.6	570.3	593.3	574.9	555.4	556.0	0.1%	-0.2%
Sri Lanka	12.4	18.4	22.5	20.8	21.0	18.3	16.8		-7.9%	2.4%
Taiwan	264.2	272.8	270.4	269.5	278.7	269.5	261.7		-2.9%	-0.1%
Thailand	223.2	249.5	253.2	242.9	236.5	253.3	244.3		-3.6%	0.7%
Vietnam	126.7	165.2	283.6	293.8	280.4	286.0	292.9		2.4%	6.7%
Other Asia-Pacific	42.5	63.7	67.9	64.2	69.3	74.9	77.8		3.8%	4.8%

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^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ emissions

Countries^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Americas	7,478.0	7,240.5	6,959.6	6,235.1	6,660.3	6,778.9	6,596.9		-2.7%	-1.0%
Argentina	162.4	179.8	162.2	147.0	162.0	174.3	163.6	161.9	-1.1%	0.0%
Bolivia	13.6	18.5	20.2	17.0	20.2	21.6	22.9		6.0%	4.1%
Brazil	374.7	456.6	408.2	386.4	439.5	414.4	414.9	419.2	1.0%	0.8%
Canada	521.9	538.2	552.5	501.8	508.8	523.3	522.9	527.8	0.9%	0.1%
Chile	68.6	81.1	91.0	83.9	85.0	83.8	73.3	71.4	-2.5%	0.3%
Colombia	59.0	77.1	74.4	72.0	77.5	80.2	87.3	82.9	-5.0%	2.5%
Costa Rica	6.6	6.9	7.5	6.6	7.5	7.6	8.3	8.4	1.3%	1.7%
Cuba	27.1	28.3	24.2	21.0	21.1	21.5	19.1		-11.1%	-2.6%
Curaçao	3.0	4.6	1.4	1.2	1.3	1.3	1.3		-2.9%	-6.2%
Dominican Republic	19.1	21.6	25.9	24.4	26.7	27.6	29.4		6.7%	3.4%
Ecuador	32.4	38.2	36.9	31.3	35.3	38.4	39.8		3.7%	1.6%
El Salvador	6.0	6.6	7.4	6.0	6.9	7.8	8.6		9.8%	2.8%
Guatemala	10.4	15.0	17.9	15.6	18.3	17.0	19.0		11.5%	4.8%
Guyana	1.8	2.0	2.6	2.6	2.8	3.1	3.7		18.9%	5.9%
Haiti	2.3	3.2	3.0	3.0	3.2	2.5	1.7		-34.0%	-2.6%
Honduras	7.3	10.1	9.5	8.6	9.7	9.9	11.3		13.8%	3.4%
Jamaica	7.0	6.7	7.8	5.4	5.8	6.9	6.7		-2.8%	-0.3%
Mexico	444.0	446.8	436.9	379.6	387.1	420.1	435.8	460.4	5.6%	0.3%
Nicaragua	4.3	5.0	4.9	4.3	4.8	5.0	5.3		7.3%	1.7%
Panama	8.6	9.8	12.6	9.4	10.4	11.4	12.2		7.4%	2.7%
Paraguay	4.8	6.0	7.8	7.2	8.1	7.4	7.1		-3.8%	3.1%
Peru	41.5	49.5	52.2	42.7	52.7	56.8	57.9		1.9%	2.6%
Suriname	1.7	2.7	2.6	2.6	2.7	2.8	2.5		-12.8%	2.8%
Trinidad and Tobago	21.0	20.6	16.6	14.9	13.1	13.7	13.7		-0.4%	-3.2%
United States	5,424.8	5,000.6	4,817.7	4,321.2	4,618.2	4,678.0	4,483.3	4,531.6	1.1%	-1.3%
Uruguay	6.0	6.3	6.5	6.2	7.5	7.2	7.0		-1.7%	1.3%
Venezuela	155.6	134.9	81.1	49.1	54.6	60.4	60.6		0.4%	-7.0%
Others Americas	42.5	63.7	67.9	64.2	69.3	74.9	77.8		3.8%	4.8%

^(*) Data Source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ by sector and fuel

World CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Coal	13,880	14,703	14,830	14,334	15,207	15,270	15,566	15,706	0.9%	0.9%
Oil	10,715	11,317	11,648	10,397	11,025	11,495	11,609	11,644	0.3%	0.6%
Gas	6,066	6,455	7,216	7,183	7,569	7,480	7,570	7,752	2.4%	1.8%
Other	762	771	808	809	814	809	810	738	-8.9%	-0.2%
Total	31,424	33,246	34,501	32,724	34,615	35,054	35,556	35,840	0.8%	0.9%

World CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Electricity and heat production	12,578	13,486	14,179	13,804	14,894	15,071	15,403		2.2%	1.6%
Total final consumption	18,846	19,761	20,322	18,919	19,721	19,983	20,153		0.8%	0.5%
<i>Transport</i>	7,188	7,914	8,562	7,423	8,006	8,305	8,483		2.1%	1.3%
<i>Industry</i>	6,028	6,268	6,126	6,028	6,162	6,148	6,205		0.9%	0.2%
<i>Residential and commercial</i>	3,344	3,298	3,377	3,325	3,366	3,288	3,199		-2.7%	-0.3%
<i>Other final consumption</i>	2,286	2,280	2,258	2,143	2,186	2,243	2,266		1.0%	-0.1%
Total	31,424	33,246	34,501	32,724	34,615	35,054	35,556	35,840	0.8%	0.9%

World CO₂ emissions in power sector by fuel^(*)

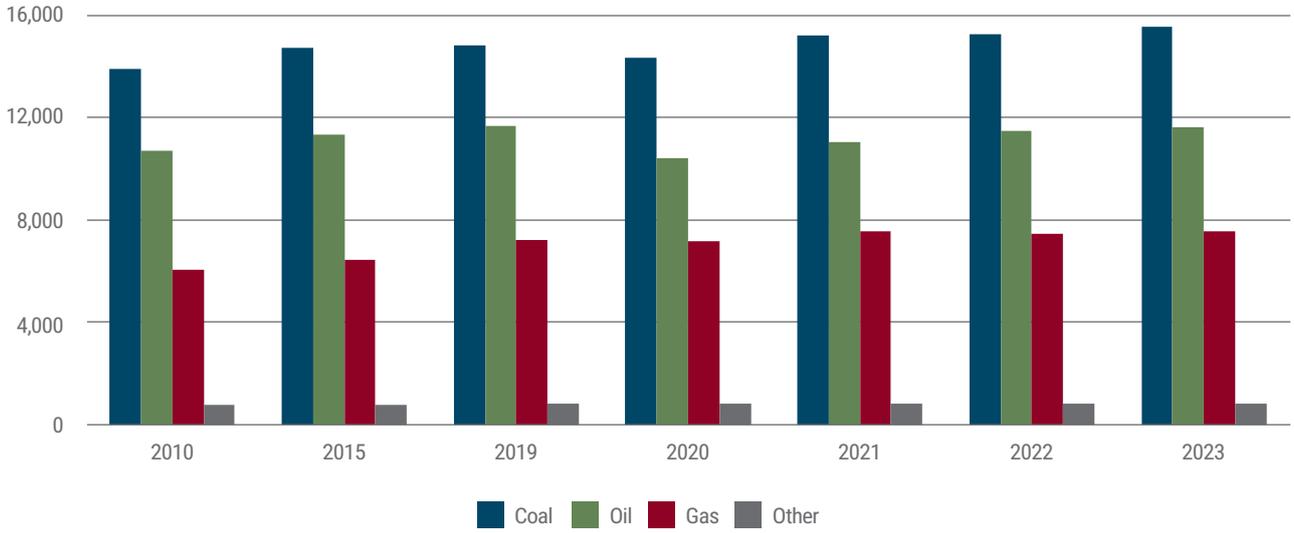
(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Coal	8,997	9,679	10,308	9,944	10,837	11,031	11,302		2.5%	1.8%
Oil	831	831	625	594	654	681	652		-4.1%	-1.8%
Gas	2,627	2,834	3,082	3,100	3,234	3,194	3,282		2.8%	1.7%
Other	123	142	164	166	168	165	166		0.5%	2.3%
Total	12,578	13,486	14,179	13,804	14,894	15,071	15,403		2.2%	1.6%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

CO₂ by sector and fuel

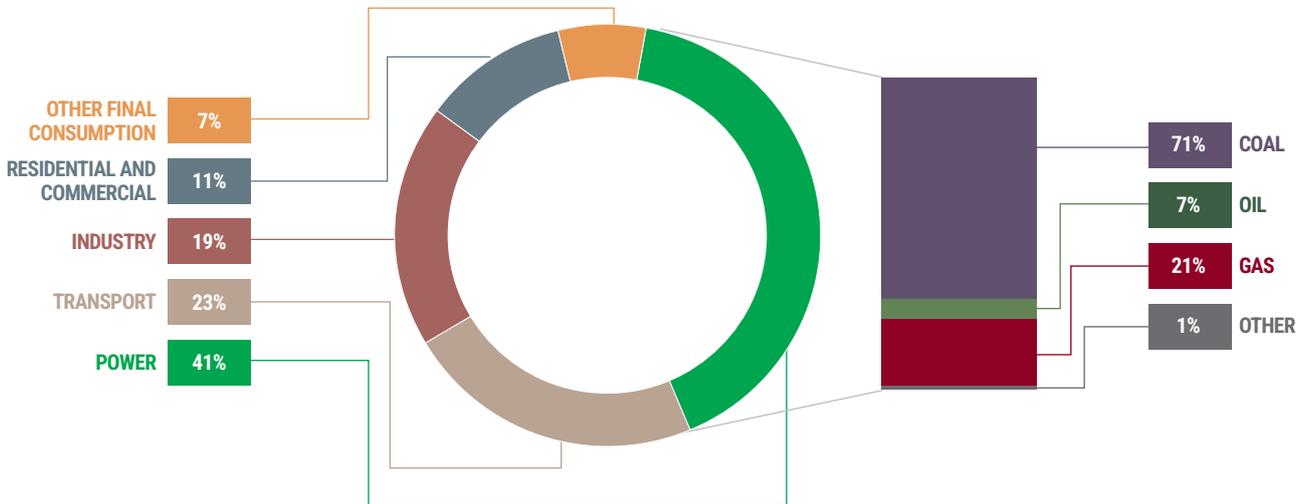
World CO₂ emissions by fuel
(Mton)



CO₂ by sector and fuel

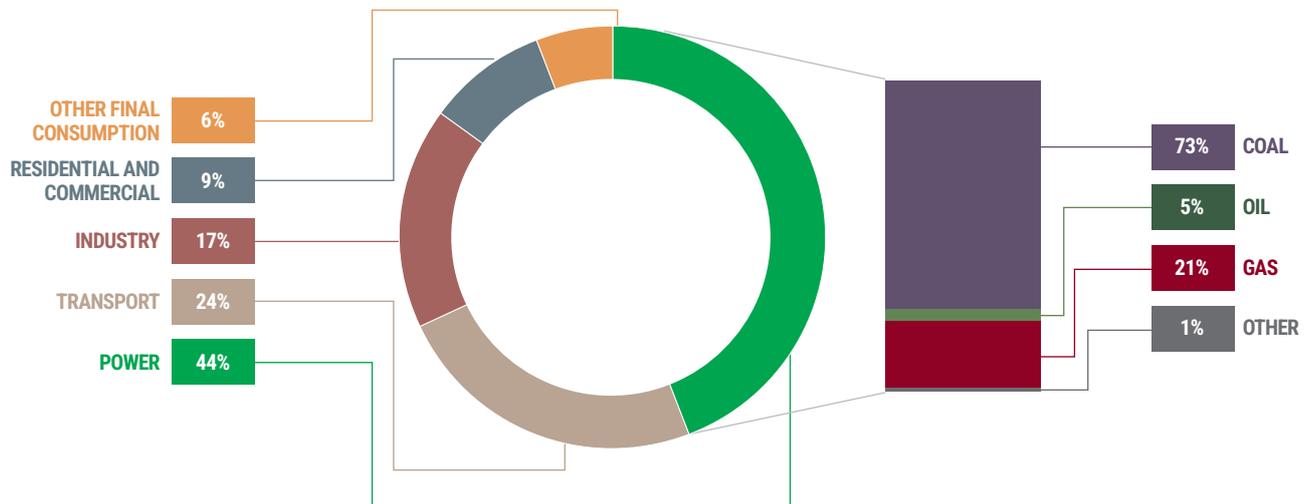
World CO₂ emissions by sector and fuel (2010)

31,424 Mton



World CO₂ emissions by sector and fuel (2023)

35,556 Mton



CO₂ by sector and fuel

The World's Top 10 CO₂ emissions by fuel^(*)

(Mton)	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	11,564	12,620	12,507	12,129	12,978	13,161	13,556	3.0%	1.2%
Oil	5,514	5,958	6,105	5,666	5,945	6,112	6,096	-0.3%	0.8%
Gas	3,362	3,737	4,328	4,347	4,587	4,590	4,713	2.7%	2.6%
Other	402	392	395	385	381	373	369	-1.0%	-0.7%
Total	20,842	22,706	23,335	22,526	23,890	24,237	24,734	2.1%	1.3%

The World's Top 10 CO₂ emissions by sector^(*)

(Mton)	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Electricity and heat production	9,289	10,233	10,872	10,672	11,642	11,911	12,338	3.6%	2.2%
Total final consumption	11,554	12,473	12,463	11,854	12,248	12,325	12,395	0.6%	0.5%
<i>Transport</i>	3,590	4,084	4,406	4,006	4,318	4,342	4,380	0.9%	1.5%
<i>Industry</i>	4,690	5,051	4,751	4,667	4,732	4,759	4,834	1.6%	0.2%
<i>Residential and commercial</i>	1,986	2,028	2,053	1,995	1,997	1,982	1,924	-2.9%	-0.2%
<i>Other final consumption</i>	1,288	1,311	1,253	1,185	1,201	1,242	1,257	1.2%	-0.2%
Total	20,842	22,706	23,335	22,526	23,890	24,237	24,734	2.1%	1.3%

The World's Top 10 CO₂ emissions in power sector by fuel^(*)

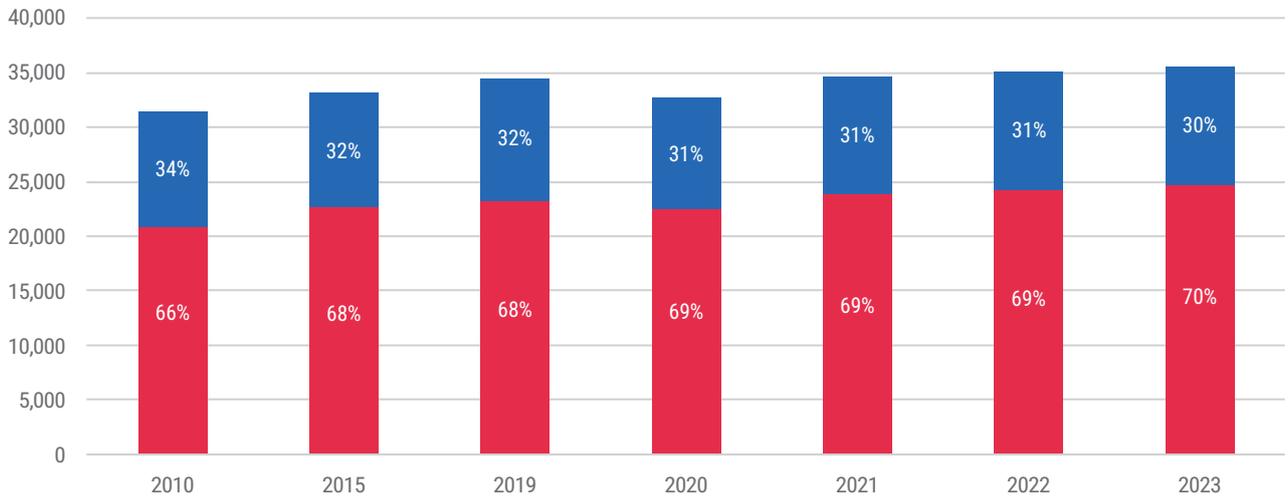
(Mton)	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	7,336	8,096	8,666	8,429	9,306	9,561	9,906	3.6%	2.3%
Oil	388	386	293	296	311	328	307	-6.4%	-1.8%
Gas	1,472	1,647	1,795	1,832	1,909	1,906	2,009	5.4%	2.4%
Other	92	105	118	116	116	116	116	0.4%	1.8%
Total	9,289	10,233	10,872	10,672	11,642	11,911	12,338	3.6%	2.2%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

CO₂ by sector and fuel

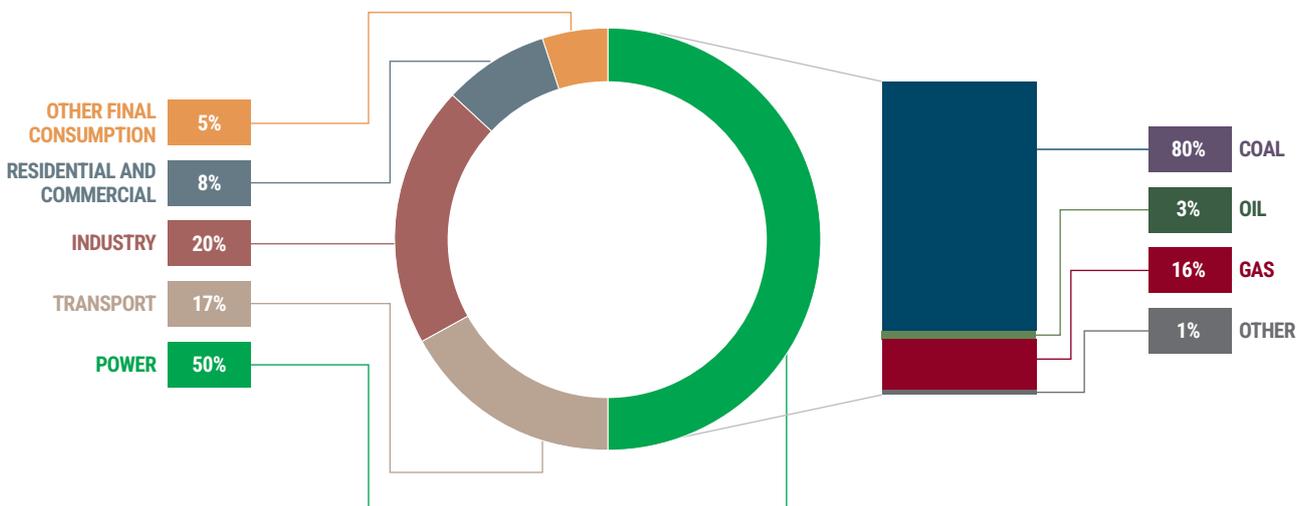
The World's Top 10 CO₂ emissions by fuel

Mton



The World's Top CO₂ emissions by sector and fuel (2023)

24,349 Mton



CO₂ by sector and fuel

China CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	6,891	7,931	8,113	8,153	8,596	8,637	9,030	4.5%	2.1%
Oil	1,069	1,361	1,581	1,595	1,636	1,617	1,682	4.0%	3.5%
Gas	236	371	595	639	726	726	780	7.4%	9.6%
Other	154	127	104	95	83	76	70	-7.8%	-5.8%
Total	8,350	9,789	10,393	10,482	11,042	11,057	11,562	4.6%	2.5%

China CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Electricity and heat production	3,647	4,520	5,429	5,573	6,149	6,276	6,696	6.7%	4.8%
Total final consumption	4,703	5,269	4,964	4,909	4,893	4,781	4,866	1.8%	0.3%
<i>Transport</i>	609	896	1,075	1,094	1,161	1,049	1,105	5.3%	4.7%
<i>Industry</i>	2,957	3,149	2,812	2,788	2,732	2,732	2,761	1.0%	-0.5%
<i>Residential and commercial</i>	582	657	562	548	527	503	494	-1.7%	-1.2%
<i>Other final consumption</i>	555	568	515	479	473	496	506	2.0%	-0.7%
Total	8,350	9,789	10,393	10,482	11,042	11,057	11,562	4.6%	2.5%

China CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	3,544	4,384	5,261	5,387	5,949	6,075	6,482	6.7%	4.8%
Oil	33	26	25	32	32	31	33	7.4%	0.2%
Gas	45	78	113	125	142	143	152	6.3%	9.8%
Other	25	32	30	29	26	27	28	3.9%	1.0%
Total	3,647	4,286	5,263	5,402	5,972	6,102	6,519	6.8%	4.6%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

CO₂ by sector and fuel

United States CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	1,991	1,472	1,078	870	999	929	766	735	-4.2%	-6.9%
Oil	2,107	2,031	2,040	1,766	1,934	1,977	1,924	1,997	3.8%	-0.4%
Gas	1,289	1,462	1,663	1,651	1,650	1,736	1,756	1,768	0.7%	2.3%
Other	38	36	37	35	35	35	36	32	-11.5%	-1.2%
Total	5,425	5,001	4,818	4,321	4,618	4,678	4,483	4,532	1.1%	-1.3%

United States CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Electricity and heat production	2,356	1,993	1,706	1,530	1,633	1,616	1,495	1,493	-0.1%	-3.2%
Total final consumption	3,069	3,008	3,112	2,791	2,985	3,062	2,988	3,039	1.7%	-0.1%
Transport	1,730	1,753	1,812	1,555	1,715	1,752	1,728		-1.4%	0.0%
Industry	470	437	443	441	449	459	444		-3.2%	-0.4%
Residential and commercial	553	519	558	518	531	559	522		-6.7%	-0.4%
Other final consumption	316	298	299	277	290	292	294		0.5%	-0.6%
Total	5,425	5,001	4,818	4,321	4,618	4,678	4,483	4,532	1.1%	-1.3%

United States CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	1,866	1,377	999	805	931	864	704	681	-3.2%	-6.9%
Oil	37	29	25	28	28	32	24	21	-12.3%	-3.9%
Gas	435	569	663	680	658	704	753	777	3.2%	4.2%
Other	18	18	18	18	17	16	15	14	-5.0%	-1.9%
Total	2,356	1,993	1,706	1,530	1,633	1,616	1,495	1,493	-0.1%	-3.2%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ by sector and fuel

India CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	1,127	1,544	1,656	1,550	1,723	1,890	2,105	11.3%	4.9%
Oil	431	561	620	559	578	639	652	2.0%	3.2%
Gas	80	70	90	84	94	88	100	13.8%	1.7%
Other	117	128	126	127	128	129	129	-0.3%	0.7%
Total	1,756	2,303	2,492	2,320	2,524	2,746	2,985	8.7%	4.2%

India CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Electricity and heat production	823	1,133	1,220	1,133	1,236	1,376	1,534	11.5%	4.9%
Total final consumption	933	1,170	1,272	1,187	1,288	1,370	1,451	5.9%	3.5%
<i>Transport</i>	206	280	331	289	317	362	373	2.9%	4.7%
<i>Industry</i>	416	548	572	534	601	631	694	10.1%	4.0%
<i>Residential and commercial</i>	211	233	241	243	245	244	247	1.0%	1.2%
<i>Other final consumption</i>	99	109	127	122	125	133	137	3.4%	2.5%
Total	1,756	2,303	2,492	2,320	2,524	2,746	2,985	8.7%	4.2%

India CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	737	1,079	1,176	1,090	1,194	1,337	1,493	11.7%	5.6%
Oil	24	18	6	6	6	6	5	-6.3%	-10.9%
Gas	61	34	36	34	32	28	30	7.6%	-5.3%
Other	1	2	3	4	4	5	5	-2.0%	12.4%
Total	823	1,133	1,220	1,133	1,236	1,376	1,534	11.5%	4.9%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

CO₂ by sector and fuel

Russia CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	407	414	433	417	435	463	476	2.7%	1.2%
Oil	303	334	318	300	326	344	344	-0.1%	1.0%
Gas	804	766	807	767	862	814	835	2.6%	0.3%
Other	25	30	45	46	49	47	50	4.4%	5.4%
Total	1,538	1,543	1,603	1,529	1,673	1,669	1,704	2.1%	0.8%

Russia CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Electricity and heat production	894	813	790	757	838	839	879	4.9%	-0.1%
Total final consumption	644	731	813	772	834	830	825	-0.7%	1.9%
<i>Transport</i>	249	246	268	246	272	277	283	2.0%	1.0%
<i>Industry</i>	179	251	276	269	286	281	280	-0.3%	3.5%
<i>Residential and commercial</i>	139	151	213	204	220	213	204	-4.3%	3.0%
<i>Other final consumption</i>	78	84	55	52	57	59	58	-1.7%	-2.3%
Total	1,538	1,543	1,603	1,529	1,673	1,669	1,704	2.1%	0.8%

Russia CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	314	273	280	264	275	309	316	2.0%	0.0%
Oil	36	32	23	20	22	22	22	1.7%	-3.6%
Gas	523	486	462	447	514	481	515	7.0%	-0.1%
Other	21	22	25	26	28	26	27	2.0%	1.8%
Total	894	813	790	757	838	839	879	4.9%	-0.1%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

CO₂ by sector and fuel

Japan CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	424	449	419	388	411	394	372	359	-3.6%	-1.2%
Oil	487	445	380	354	357	359	342	327	-4.6%	-2.8%
Gas	207	240	220	219	208	198	192	187	-2.8%	-0.7%
Other	21	25	36	35	37	37	37	39	5.6%	4.7%
Total	1,139	1,159	1,054	996	1,012	988	943	911	-3.4%	-1.6%

Japan CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Electricity and heat production	501	566	497	482	493	478	449	434	-3.3%	-1.0%
Total final consumption	638	593	557	513	519	509	495	477	-3.5%	-2.0%
<i>Transport</i>	235	217	206	185	188	191	191	191	0.0%	-1.6%
<i>Industry</i>	210	200	186	170	180	172	165	165	-4.0%	-1.8%
<i>Residential and commercial</i>	127	115	109	107	102	98	91	91	-7.1%	-2.5%
<i>Other final consumption</i>	67	61	55	51	49	49	48	48	-1.5%	-2.5%
Total	1,139	1,159	1,054	996	1,012	988	943	911	-3.4%	-1.6%

Japan CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	292	323	298	281	299	289	273	279	2.5%	-0.3%
Oil	61	60	26	25	31	32	23	17	-24.9%	-8.6%
Gas	137	170	149	154	140	133	130	115	-11.3%	-1.2%
Other	12	13	24	23	23	24	23	22	-5.0%	4.5%
Total	501	566	497	482	493	478	449	434	-3.3%	-1.0%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ by sector and fuel

Iran CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	3	5	6	5	7	7	7	1.5%	7.8%
Oil	225	212	216	202	218	240	231	-3.9%	0.2%
Gas	275	344	409	443	467	468	495	5.8%	4.6%
Other	0	0	0	0	0	0	0	1.2%	-1.2%
Total	503	561	631	651	693	715	733	2.5%	2.9%

Iran CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Electricity and heat production	133	155	166	181	195	196	205	4.4%	3.4%
Total final consumption	370	406	466	470	498	519	528	1.8%	2.8%
Transport	121	144	149	134	147	164	153	-6.5%	1.8%
Industry	83	87	108	117	129	126	133	5.3%	3.7%
Residential and commercial	122	125	146	152	151	154	164	6.1%	2.3%
Other final consumption	45	50	63	67	70	75	79	5.2%	4.5%
Total	503	561	631	651	693	715	733	2.5%	2.9%

Iran CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	1	2	2	2	2	2	2	0.1%	2.6%
Oil	42	37	44	45	47	51	52	2.6%	1.6%
Gas	89	116	120	134	146	144	151	5.0%	4.1%
Other	0	0	0	0	0	0	0	0.0%	5.0%
Total	133	155	166	181	195	196	205	4.4%	3.4%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

CO₂ by sector and fuel

Indonesia CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	104	169	263	280	304	341	353	3.8%	9.9%
Oil	181	224	220	193	202	219	217	-0.7%	1.4%
Gas	71	81	85	82	88	87	94	8.1%	2.2%
Other	11	7	6	6	6	6	6	0.8%	-4.6%
Total	367	481	573	561	600	652	671	2.8%	4.7%

Indonesia CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Electricity and heat production	127	184	252	268	297	323	328	1.8%	7.6%
Total final consumption	240	297	320	293	303	330	342	3.8%	2.8%
<i>Transport</i>	91	135	153	131	138	152	152	0.3%	4.0%
<i>Industry</i>	82	98	109	105	107	118	129	9.9%	3.6%
<i>Residential and commercial</i>	30	29	29	29	30	30	31	0.3%	0.1%
<i>Other final consumption</i>	37	35	29	28	27	30	30	1.4%	-1.6%
Total	367	481	573	561	600	652	671	2.8%	4.7%

Indonesia CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	80	139	207	227	250	278	281	1.0%	10.1%
Oil	27	15	14	10	11	10	11	7.9%	-6.9%
Gas	20	30	31	30	36	34	36	6.5%	4.6%
Other	0	0	0	0	0	1	1	11.2%	52.6%
Total	127	184	252	268	297	323	328	1.8%	7.6%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

CO₂ by sector and fuel

Germany CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	316	317	219	180	207	219	174	149	-14.2%	-5.2%
Oil	253	246	242	227	213	218	209	198	-5.6%	-1.8%
Gas	177	153	170	172	184	160	153	153	0.4%	-1.0%
Other	23	24	23	23	24	23	23	22	-1.6%	-0.3%
Total	770	740	655	602	628	620	558	522	-6.5%	-2.7%

Germany CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Electricity and heat production	340	324	241	205	235	240	195	183	-6.2%	-4.3%
Total final consumption	430	415	415	397	393	380	363	339	-6.6%	-1.7%
<i>Transport</i>	152	162	164	146	144	145	141	141	-3.0%	-0.6%
<i>Industry</i>	99	96	94	94	94	91	88	88	-3.0%	-0.9%
<i>Residential and commercial</i>	154	133	126	128	126	116	107	107	-7.2%	-2.7%
<i>Other final consumption</i>	25	25	30	29	29	29	27	27	-6.6%	0.7%
Total	770	740	655	602	628	620	558	522	-6.5%	-2.7%

Germany CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	273	273	181	144	172	183	138	123	-10.8%	-5.5%
Oil	6	4	3	3	3	4	4	4	-6.4%	-3.3%
Gas	48	33	43	45	46	41	41	44	6.5%	-0.6%
Other	14	14	13	13	13	12	12	13	2.4%	-0.5%
Total	340	324	241	205	235	240	195	183	-6.2%	-4.3%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ by sector and fuel

South Korea CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	302	319	321	286	294	281	273	258	-5.5%	-1.1%
Oil	165	165	161	154	156	151	147	151	2.8%	-0.6%
Gas	92	94	113	113	124	124	117	128	9.5%	2.4%
Other	13	16	17	18	18	18	18	19	1.6%	2.7%
Total	572	594	614	570	593	575	555	556	0.1%	-0.2%

South Korea CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Electricity and heat production	289	311	332	300	315	306	293	282	-4.0%	-0.2%
Total final consumption	282	283	281	270	278	269	262	274	4.7%	-0.2%
<i>Transport</i>	89	101	109	101	105	108	108		-0.4%	1.5%
<i>Industry</i>	93	81	71	70	75	66	63		-5.5%	-3.0%
<i>Residential and commercial</i>	53	47	47	47	46	45	42		-7.0%	-1.7%
<i>Other final consumption</i>	48	55	54	52	52	49	49		1.4%	0.3%
Total	572	594	614	570	593	575	555	556	0.1%	-0.2%

South Korea CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Coal	229	248	261	229	234	225	218	210	-4.0%	-0.6%
Oil	16	14	8	6	7	9	6	5	-8.2%	-7.5%
Gas	43	47	58	60	69	67	64	61	-4.3%	2.6%
Other	2	2	4	5	5	5	5	5	1.5%	9.1%
Total	289	311	332	300	315	306	293	282	-4.0%	-0.2%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

CO₂ by sector and fuel

Saudi Arabia CO₂ emissions by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	-	-	-	-	-	-	-		
Oil	293	379	325	315	325	348	348	0.1%	1.3%
Gas	130	156	177	177	182	189	191	0.6%	3.0%
Other	-	-	-	-	-	-	-		
Total	423	536	502	493	507	537	539	0.3%	1.9%

Saudi Arabia CO₂ emissions by sector^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Electricity and heat production	179	235	238	242	250	262	264	0.7%	3.0%
Total final consumption	244	301	264	251	256	275	275	0.0%	0.9%
<i>Transport</i>	108	150	140	125	131	141	146	4.0%	2.4%
<i>Industry</i>	101	106	78	78	77	84	77	-7.9%	-2.0%
<i>Residential and commercial</i>	16	18	21	19	19	19	23	16.5%	2.7%
<i>Other final consumption</i>	19	27	25	28	28	31	29	-7.2%	3.1%
Total	423	536	502	493	507	537	539	0.3%	1.9%

Saudi Arabia CO₂ emissions in power sector by fuel^(*)

(Mton)

	2010	2015	2019	2020	2021	2022	2023	Δ y/y (2023-2022)	CAGR (2023-2010)
Coal	-	-	-	-	-	-	-		
Oil	108	152	119	119	123	132	127	-3.9%	1.3%
Gas	71	83	119	122	127	130	137	5.4%	5.2%
Other	-	-	-	-	-	-	-		
Total	179	235	238	242	250	262	264	0.7%	3.0%

^(*) Data source: IEA (2025) *Greenhouse Gas Emissions from Energy*. All rights reserved.



Renewables

In 2024, **renewable capacity** (solar photovoltaic and wind) continued to grow at a steady pace, with an increase of 560 GW compared to 2023 – a new global record – which brings total installed capacity worldwide to nearly 3,000 GW. The share of solar and wind in the electricity generation mix has risen from 3% about ten years ago to the current 15%, while about 60% is still generated from fossil sources.

Solar photovoltaic sector remains the main driver of renewable growth in 2024. Additional capacity reached approximately 450 GW (+32% vs. 2023). China continues to lead installations (+278 GW, equal to +46% vs. 2023) with a 62% growth rate (CAGR 2024-2010), followed by the United States (+38 GW, +28% vs. 2023). By the end of 2024, global cumulative capacity exceeded 1,850 GW, with China and the United States accounting for 48% and 9% of the total, respectively.

Wind power also experienced significant growth, with capacity increasing by 114 GW in 2024 compared to 2023 (+11%), reaching 1,133 GW by the end of the year. The onshore sector accounted for about 90% of this total. China and the United States remain the main players in wind energy as well, with respective shares of 46% and 13%. Notably, China contributed about 70% of new installed capacity during the year.

Renewables

SOLAR RESOURCES MAP

SOLAR PHOTOVOLTAIC POWER CAPACITY

Areas and Aggregates

The World's Top 10

Countries

SOLAR PHOTOVOLTAIC POWER GENERATION

Areas and Aggregates

The World's Top 10

Countries

WIND RESOURCES MAP

WIND POWER CAPACITY

Areas and Aggregates

The World's Top 10

Countries

WIND POWER GENERATION

Areas and Aggregates

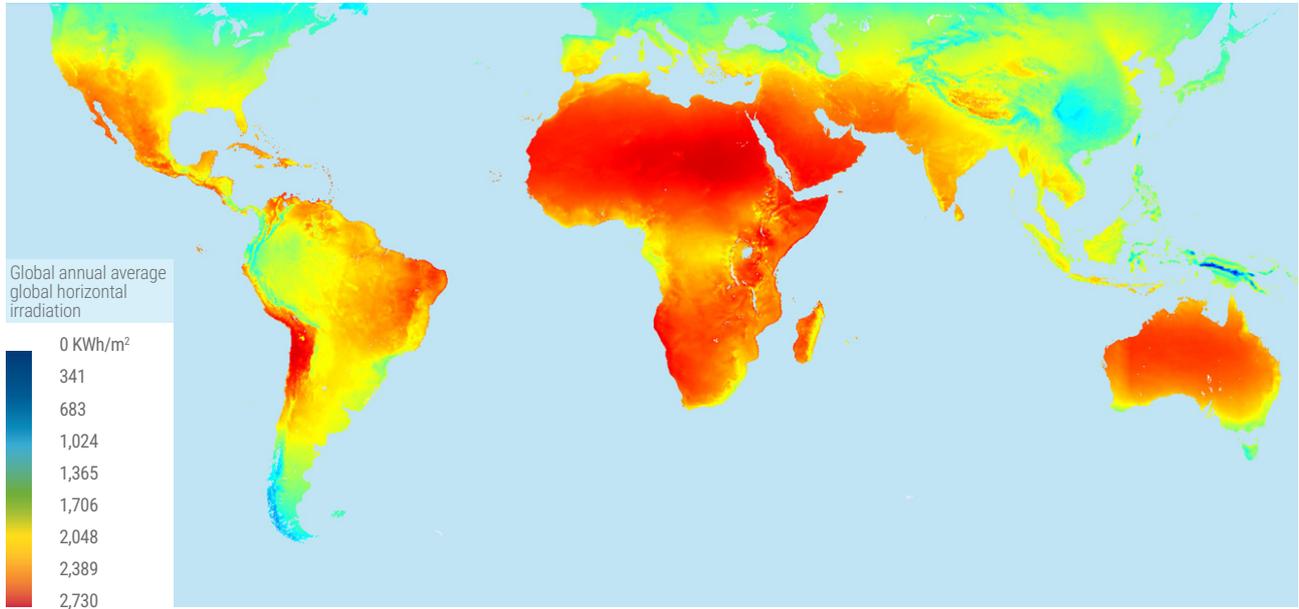
The World's Top 10

Countries

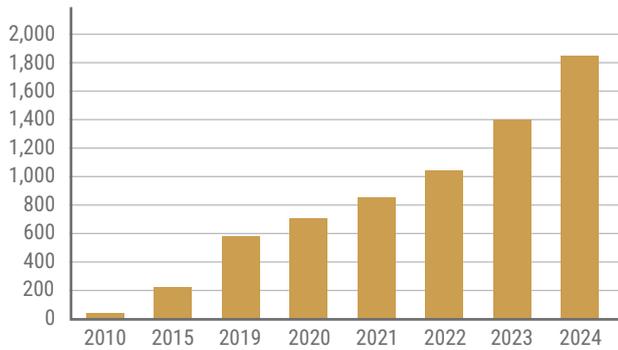
Solar Resources Map (Global Horizontal Irradiance)^(*)

(W/m²/day)

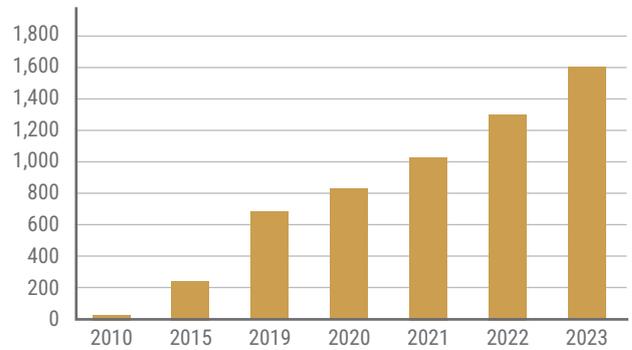
(m/s)



Solar Power Capacity (GW)

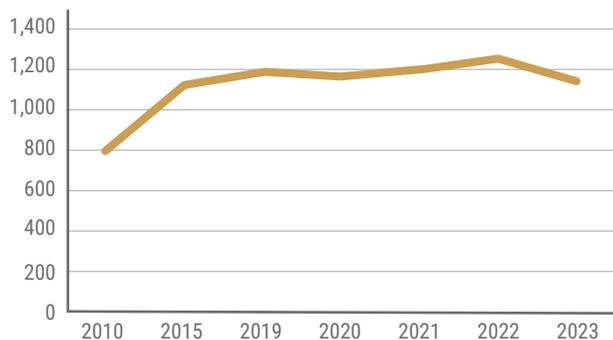


Solar Power Generation (TWh)

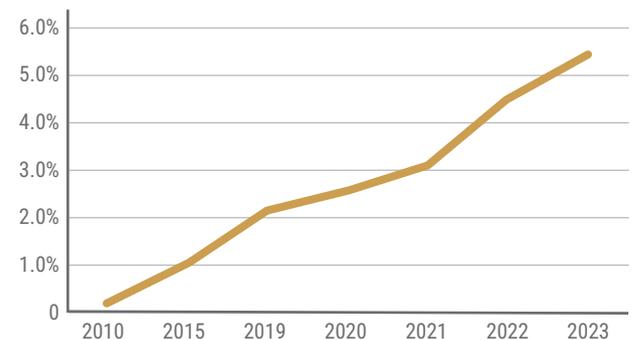


Capacity Factor

(hours per year - world average)



Share of Solar PV on Total Generation



^(*) IRENA: Global Atlas, Map data: VAISALA, 2022.

Solar Photovoltaic Power Capacity

Areas and Aggregates^(*)

(MW)

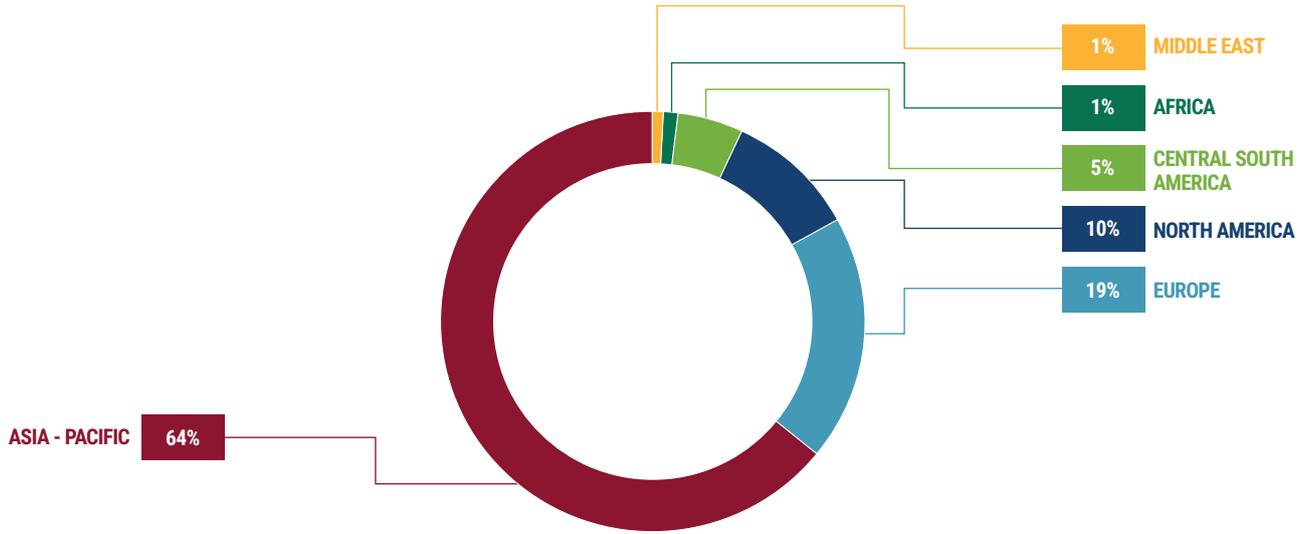
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	29,991	96,411	143,428	164,118	192,220	229,816	288,535	356,183	23.4%	19.3%
Russia and Central Asia	0	426	2,027	2,780	3,242	3,820	4,721	6,950	47.2%	104.5%
Middle East	85	1,047	5,630	7,667	9,835	13,565	18,980	22,425	18.2%	48.9%
Africa	158	1,801	6,151	7,341	8,455	11,012	14,520	17,053	17.4%	39.7%
Asia - Pacific	6,635	95,142	345,773	430,848	512,022	627,969	870,423	1,188,683	36.6%	44.9%
Americas	3,237	26,042	79,314	100,505	130,851	163,627	209,429	267,431	27.7%	37.1%
- North America	3,097	23,825	61,896	77,114	97,160	115,685	143,775	181,888	26.5%	33.8%
- Central South America	140	2,217	17,418	23,392	33,691	47,942	65,655	85,544	30.3%	58.2%
World	40,106	220,869	582,323	713,258	856,625	1,049,809	1,406,609	1,858,725	32.1%	31.5%
European Union 27	29,750	84,296	115,342	132,885	157,972	191,640	244,567	302,112	23.5%	18.0%
MENA	119	1,139	7,795	9,848	12,057	16,022	21,890	26,428	20.7%	47.1%
OECD	38,509	161,152	296,826	350,068	415,612	485,988	582,670	702,210	20.5%	23.0%
NON OECD	1,596	59,717	285,497	363,190	441,013	563,821	823,939	1,156,516	40.4%	60.1%
OPEC	20	166	2,714	3,522	4,282	5,179	9,506	11,843	24.6%	57.9%
NON OPEC	40,086	220,704	579,609	709,737	852,343	1,044,630	1,397,103	1,846,882	32.2%	31.5%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Solar Photovoltaic Power Capacity

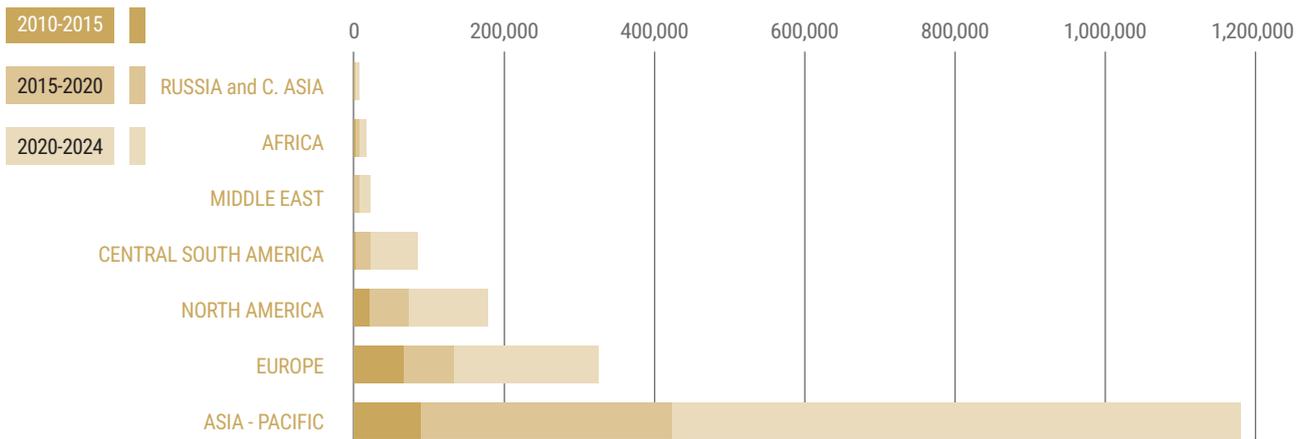
World Solar Photovoltaic Power Capacity (2024)

1,858,725 MW



World Solar Photovoltaic Power Capacity Growth (2010-2024)

1,818,620 MW



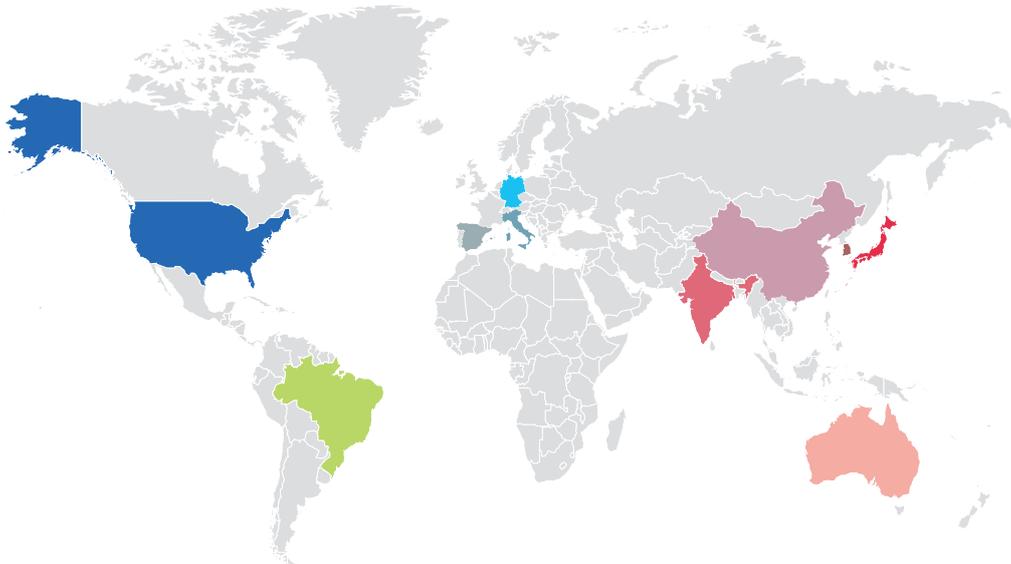
Solar Photovoltaic Power Capacity

The World's Top 10^(*)

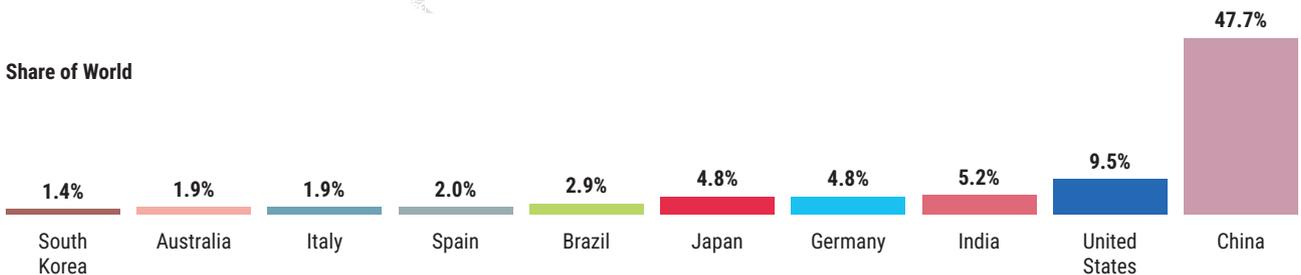
(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
China	1,022	43,538	204,575	253,414	306,403	392,462	609,351	886,120	45.4%	62.1%
United States	2,909	21,684	59,068	74,046	93,306	111,362	138,447	176,114	27.2%	34.1%
India	69	5,368	34,908	39,363	49,636	63,136	72,709	97,234	33.7%	67.9%
Germany	18,004	38,599	47,485	51,783	57,461	61,188	74,882	89,943	20.1%	12.2%
Japan	3,618	34,150	63,192	71,868	78,413	83,057	87,068	89,601	2.9%	25.8%
Brazil	3	49	4,709	8,485	14,514	25,399	37,943	53,116	40.0%	103.3%
Spain	3,902	4,737	8,842	10,171	13,752	23,934	29,616	36,285	22.5%	17.3%
Italy	3,592	18,737	20,620	21,354	22,281	24,555	29,351	36,008	22.7%	17.9%
Australia	1,088	5,033	15,450	19,770	24,394	28,884	30,672	35,862	16.9%	28.4%
South Korea	651	3,467	10,847	14,756	17,905	20,525	23,528	26,680	13.4%	30.4%
The World's Top 10	34,857	175,362	469,696	565,009	678,064	834,502	1,133,568	1,526,964	34.7%	31.0%
Rest of the World	5,248	45,507	112,627	148,250	178,560	215,307	273,041	331,761	21.5%	34.5%
World	40,106	220,869	582,323	713,258	856,625	1,049,809	1,406,609	1,858,725	32.1%	31.5%

The World's Top 10 (2024)



Share of World



^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Solar Photovoltaic Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	29,991	96,411	143,428	164,118	192,220	229,816	288,535	356,183	23.4%	19.3%
Albania	0	1	14	21	23	100	207	307	48.4%	60.7%
Austria	92	940	1,703	2,037	2,771	3,757	6,331	8,481	34.0%	38.1%
Belarus	0	6	154	160	164	273	273	265	-2.8%	
Belgium	840	3,108	4,523	5,453	5,934	6,781	8,352	9,752	16.8%	19.1%
Bosnia Herzegovina	0	8	22	35	57	102	212	212	0.0%	59.8%
Bulgaria	25	1,028	1,044	1,100	1,275	1,737	2,908	3,908	34.4%	43.5%
Croatia	0	48	85	109	138	222	463	860	85.9%	76.6%
Cyprus	7	76	151	229	315	424	581	726	25.0%	39.3%
Czech Republic	1,727	2,075	2,085	2,124	2,177	2,404	3,251	4,159	27.9%	6.5%
Denmark	7	782	1,080	1,304	1,704	3,070	3,529	3,945	11.8%	57.1%
Estonia	0	7	121	208	395	520	813	1,326	63.1%	97.0%
Finland	7	17	210	299	398	649	986	1,203	22.0%	44.4%
France	1,044	6,820	10,013	11,133	13,446	14,722	17,399	21,528	23.7%	24.1%
Germany	18,004	38,599	47,485	51,783	57,461	61,188	74,882	89,943	20.1%	12.2%
Greece	202	2,604	2,754	3,174	4,073	5,104	6,689	9,269	38.6%	31.4%
Hungary	2	172	1,400	2,131	2,968	4,235	5,910	7,699	30.3%	80.3%
Iceland	0	3	7	7	7	7	7	7	0.0%	
Ireland	1	5	102	163	247	345	888	1,340	50.9%	63.9%
Italy	3,592	18,737	20,620	21,354	22,281	24,555	29,351	36,008	22.7%	17.9%
Kosovo	0	0	10	10	14	14	20	20	0.0%	
Latvia	0	0	3	5	7	113	319	466	46.1%	
Lithuania	0	67	130	244	422	738	1,324	2,567	93.9%	106.5%
Luxembourg	29	116	160	187	277	317	394	523	32.7%	22.8%
Malta	1	74	151	180	194	209	226	233	3.3%	50.0%
Moldova	0	1	5	4	14	60	201	344	71.5%	
Montenegro	0	0	0	3	3	3	17	30	74.3%	
Netherlands	90	1,526	7,228	11,110	14,823	17,356	21,275	24,048	13.0%	49.1%
North Macedonia	0	17	17	79	79	144	506	833	64.6%	
Norway	9	15	137	143	184	341	634	782	23.5%	37.5%
Poland	0	103	1,495	3,795	7,091	11,063	16,428	20,199	23.0%	
Portugal	134	452	970	1,191	1,817	2,817	4,040	5,808	43.8%	30.9%
Romania	0	1,326	1,398	1,383	1,394	1,809	2,988	4,688	56.9%	115.6%
Serbia	3	16	23	31	52	137	197	241	22.3%	35.9%
Slovakia	19	533	590	535	537	549	593	867	46.2%	31.4%
Slovenia	12	239	278	370	461	626	1,031	1,309	27.0%	39.8%
Spain	3,902	4,737	8,842	10,171	13,752	23,934	29,616	36,285	22.5%	17.3%
Sweden	11	104	714	1,107	1,606	2,388	3,993	4,963	24.3%	54.7%
Switzerland	125	1,360	2,425	2,875	3,515	4,528	6,064	7,764	28.0%	34.3%
Türkiye	6	249	5,995	6,667	7,816	9,425	11,292	19,882	76.1%	79.1%
Ukraine	3	841	5,936	7,331	8,062	8,062	8,062	5,500	-31.8%	73.3%
United Kingdom	95	9,601	13,345	13,870	14,261	14,981	16,275	17,881	9.9%	45.4%
Others Europe	0	0	2	3	5	6	9	9	0.0%	

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Solar Photovoltaic Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	0	426	2,027	2,780	3,242	3,820	4,721	6,950	47.2%	104.5%
Russia	0	363	1,425	1,774	1,988	2,148	2,193	2,554	16.5%	143.4%
Armenia			21	51	146	235	402	485	20.8%	
Azerbaijan	0	5	33	35	48	51	282	281	-0.3%	63.0%
Georgia			3	5	18	35	64	133	107.0%	
Kazakhstan		57	542	912	1,038	1,146	1,306	1,222	-6.5%	
Uzbekistan		1	4	4	4	204	475	2,275		
Others Central Asia				0	0	0	0	0	0.0%	

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	85	1,047	5,630	7,667	9,835	13,565	18,980	22,425	18.2%	48.9%
Bahrain		5	10	10	21	46	57	66	16.6%	
Iran	0	9	346	430	456	539	595	782	31.4%	72.2%
Iraq		37	37	37	37	42	42	42	0.0%	
Israel	70	790	1,890	2,410	3,349	4,390	5,274	5,363	1.7%	36.3%
Jordan	0	57	971	1,541	1,811	1,966	1,990	2,077	4.4%	132.9%
Kuwait		3	33	33	33	50	50	50	0.0%	
Lebanon	0	11	78	92	206	869	1,081	1,081	0.0%	78.2%
Oman		2	26	129	155	655	672	672	0.0%	
Qatar		4	5	5	5	805	805	1,680	108.7%	
Saudi Arabia	2	24	59	359	389	390	2,535	4,290	69.2%	71.0%
Syria			2	12	33	60	60	60	0.0%	
United Arab Emirates	11	31	1,835	2,232	2,902	3,296	5,342	5,659	5.9%	56.4%
Yemen	1	60	254	258	258	264	283	403	42.3%	53.4%
Others Middle East	0	13	83	119	179	193	193	199	2.8%	100.1%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Solar Photovoltaic Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	158	1,801	6,151	7,341	8,455	11,012	14,520	17,053	17.4%	39.7%
Algeria		37	342	342	342	426	437	437	0.0%	
Angola		0	1	1	1	285	310	362	16.6%	
Benin		1	4	5	6	33	35	35	0.0%	
Cameroon	0	0	13	14	26	26	63	63	0.0%	86.7%
Chad	0	0	1	1	2	2	2	2	4.7%	62.2%
Congo		0	0	1	1	1	1	1	0.0%	
Côte d'Ivoire		0	4	6	8	9	40	40	0.0%	
Dem. Rep. Congo		1	10	14	18	22	25	30	19.3%	
Egypt	15	16	1,627	1,623	1,643	1,705	1,836	2,570	40.0%	44.4%
Equatorial Guinea			0	0	0	0	0	0	0.0%	
Ethiopia	0	10	12	20	21	21	21	22	1.7%	60.8%
Gabon	0	0	0	0	0	1	1	12		57.5%
Ghana		32	83	108	165	169	188	188	0.0%	
Kenya	0	30	126	146	217	318	534	609	13.9%	77.6%
Libya	4	5	5	5	6	6	8	8	0.0%	6.0%
Madagascar	0	0	23	24	24	53	58	58	0.0%	88.7%
Mauritania		18	88	88	88	89	123	157	27.6%	
Morocco	14	20	194	234	314	314	314	411	30.9%	27.6%
Mozambique		3	43	45	46	88	103	107	4.3%	
Namibia	1	15	187	187	190	238	239	239	0.0%	49.7%
Niger	6	6	14	15	15	50	83	83	0.0%	20.1%
Nigeria	1	16	52	78	111	140	181	197	8.5%	51.7%
Rwanda	0	11	22	24	25	26	28	28	0.0%	39.9%
Senegal	7	8	160	161	228	231	231	273	18.0%	29.9%
Sierra Leone	0	0	5	7	15	20	20	20	0.0%	46.9%
Somalia	0	0	2	11	19	42	46	46	0.0%	73.8%
South Africa	2	1,253	2,306	3,205	3,705	5,205	7,506	8,458	12.7%	81.7%
South Sudan		0	2	4	4	4	18	32	78.9%	
Sudan	2	20	81	118	136	190	190	190	0.0%	37.2%
Tanzania	0	13	16	17	19	20	20	20	0.0%	61.5%
Tunisia	2	28	80	96	97	199	508	775	52.6%	54.1%
Uganda	0	5	68	78	80	85	85	85	0.0%	73.4%
Zambia		1	95	96	97	98	134	196	46.3%	
Zimbabwe	0	2	12	14	28	40	46	105	127.8%	117.4%
Others Africa	104	249	472	552	759	853	1,088	1,198	10.2%	19.0%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Solar Photovoltaic Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	6,635	95,142	345,773	430,848	512,022	627,969	870,423	1,188,683	36.6%	44.9%
Afghanistan	0	19	53	52	52	54	54	54	0.0%	56.5%
Australia	1,088	5,033	15,450	19,770	24,394	28,884	30,672	35,862	16.9%	28.4%
Bangladesh	32	196	280	343	506	523	746	846	13.4%	26.3%
Brunei	1	1	1	1	5	5	5	5	2.9%	11.0%
China	1,022	43,538	204,575	253,414	306,403	392,462	609,351	886,120	45.4%	62.1%
East Timor	0	1	1	0	0	0	0	0	0.0%	7.9%
Hong Kong			89	91	95	185	333	333	0.0%	
India	69	5,368	34,908	39,363	49,636	63,136	72,709	97,234	33.7%	67.9%
Indonesia	15	79	158	166	221	306	630	942	49.4%	34.7%
Japan	3,618	34,150	63,192	71,868	78,413	83,057	87,068	89,601	2.9%	25.8%
Malaysia	1	222	829	1,483	1,583	2,131	2,145	2,305	7.5%	81.6%
Mongolia	12	14	98	103	103	103	108	143	32.1%	19.7%
Myanmar	0	21	88	84	110	181	181	216	19.3%	56.7%
Nepal	4	13	55	64	90	111	117	175	50.2%	30.3%
New Zealand	3	37	115	145	192	262	371	578	55.8%	45.6%
North Korea	1	23	65	79	102	116	129	143	10.5%	43.0%
Pakistan	9	265	756	1,052	1,437	2,185	3,212	3,719	15.8%	53.5%
Papua New Guinea	0	1	2	2	4	4	4	5	25.7%	21.0%
Philippines	1	182	1,009	1,089	1,413	1,667	1,802	2,971	64.8%	76.8%
Singapore	3	46	272	331	482	628	919	1,459	58.8%	55.2%
South Korea	651	3,467	10,847	14,756	17,905	20,525	23,528	26,680	13.4%	30.4%
Sri Lanka	7	37	350	436	624	800	958	1,450	51.4%	46.5%
Taiwan	35	884	4,150	5,817	7,700	9,724	12,418	14,281	15.0%	53.8%
Thailand	49	1,420	2,983	2,979	3,060	3,180	3,294	3,383	2.7%	35.4%
Vietnam	4	5	4,993	16,660	16,660	16,697	18,587	18,666	0.4%	81.5%
Others Asia - Pacific	10	119	456	698	831	1,043	1,081	1,510	39.7%	43.5%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Solar Photovoltaic Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	3,237	26,042	79,314	100,505	130,851	163,627	209,429	267,431	27.7%	37.1%
Argentina	4	14	446	768	1,077	1,113	1,405	1,741	23.9%	53.3%
Barbados	1	3	33	49	64	69	269	69	-74.3%	35.4%
Belize	0	1	7	7	7	7	7	7	0.0%	58.5%
Bolivia	0	6	71	121	171	172	173	177	2.2%	137.1%
Brazil	3	49	4,709	8,485	14,514	25,399	37,943	53,116	40.0%	103.3%
Canada	188	2,141	2,828	3,068	3,854	4,323	5,328	5,773	8.4%	27.7%
Chile	0	576	2,721	3,287	4,604	6,779	8,634	10,789	25.0%	202.6%
Colombia	1	1	23	83	181	480	716	1,392	94.5%	64.8%
Costa Rica	0	9	47	56	73	73	73	73	0.0%	111.7%
Cuba		18	152	214	246	267	280	292	4.3%	
Curaçao	0	10	12	13	13	13	13	14	7.5%	57.4%
Dominican Republic	0	24	335	386	584	735	1,077	1,423	32.1%	
Ecuador	0	26	28	28	28	29	31	32	0.2%	69.2%
El Salvador	0	11	410	479	543	571	647	648	0.2%	98.5%
Guatemala		85	93	94	94	97	102	102	0.0%	
Guyana	0	2	7	7	7	13	17	17	1.3%	30.5%
Haiti	1	2	3	3	3	3	4	4	0.0%	14.9%
Honduras	4	396	518	525	529	529	529	554	4.7%	42.9%
Jamaica	1	7	107	107	108	110	113	117	3.1%	40.5%
Mexico	30	295	6,230	7,141	8,910	9,339	10,893	11,975	9.9%	53.5%
Nicaragua		1	16	16	16	17	18	36	94.7%	
Panama		43	225	235	498	529	646	743	15.0%	
Paraguay	0	0	0	0	0	1	1	1	0.0%	65.6%
Peru	13	135	335	335	332	332	447	528	18.0%	30.6%
Suriname		5	6	6	7	7	8	10	18.5%	
Trinidad and Tobago	3	4	4	4	4	4	4	5	12.6%	3.6%
United States	2,909	21,684	59,068	74,046	93,306	111,362	138,447	176,114	27.2%	34.1%
Uruguay	0	64	254	258	266	280	301	330	9.7%	73.9%
Venezuela	2	3	3	3	3	3	3	4	41.5%	5.7%
Others Americas	77	428	624	683	809	971	1,299	1,346	3.6%	22.6%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Solar Photovoltaic Power Generation

Areas and Aggregates^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Europe	22,623	104,629	145,085	172,264	195,043	245,248	293,964	349,936	19.0%	21.6%
Russia and Central Asia		459	2,215	3,696	4,252	5,476	6,019		9.9%	
Middle East	95	1,433	9,931	13,625	16,806	22,122	32,173		45.4%	56.5%
Africa	233	2,511	10,720	12,433	14,112	15,122	16,549		9.4%	38.8%
Asia - Pacific	5,588	98,023	392,075	467,907	588,471	742,174	929,913		25.3%	48.2%
Americas	3,381	37,660	126,175	161,303	209,148	265,248	325,477		22.7%	42.1%
- North America	3,312	34,932	97,696	119,974	153,268	189,549	221,507	280,474	26.6%	37.3%
- Central South America	69	2,728	28,479	41,329	55,880	75,698	103,970		37.3%	75.6%
World	31,920	244,715	686,203	831,228	1,027,832	1,295,390	1,604,095		23.8%	35.2%
European Union 27	22,489	95,262	118,011	139,804	159,074	206,037	246,974	295,280	19.6%	20.2%
MENA	308	1,695	15,438	19,604	22,734	28,235	38,818		37.5%	45.1%
OECD	30,727	181,893	352,515	428,127	510,512	623,103	721,570	851,248	18.0%	26.8%
NON OECD	1,194	62,822	333,688	403,102	517,320	672,287	882,524		31.3%	66.2%
OPEC	30	261	5,250	7,280	8,343	10,558	16,683		58.0%	62.6%
NON OPEC	31,890	244,454	680,953	823,949	1,019,489	1,284,832	1,587,412		23.6%	35.1%

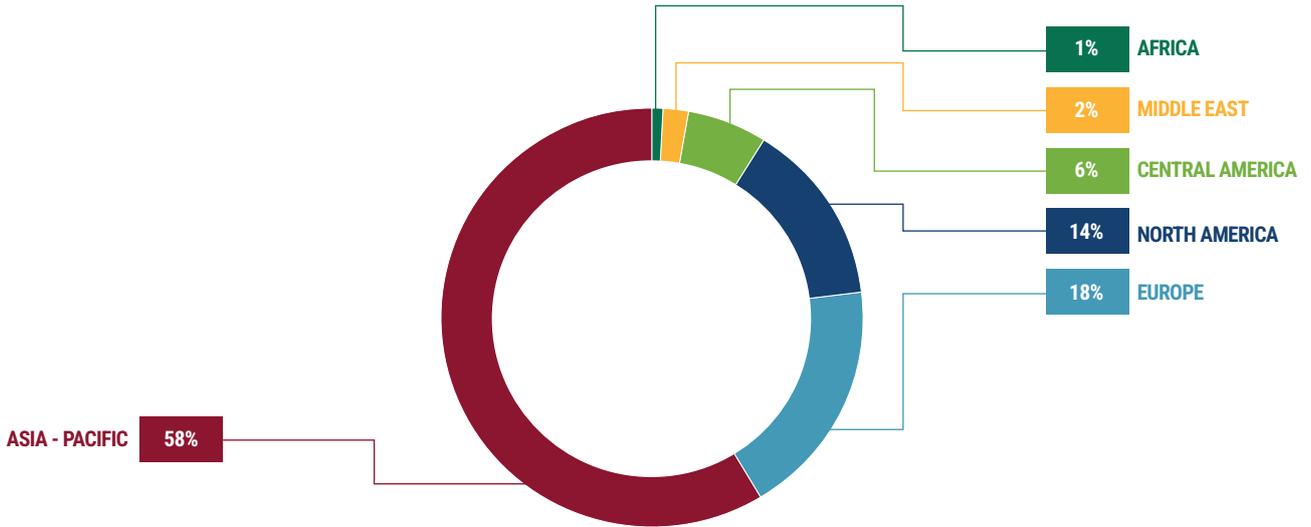
^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

Solar Photovoltaic Power Generation

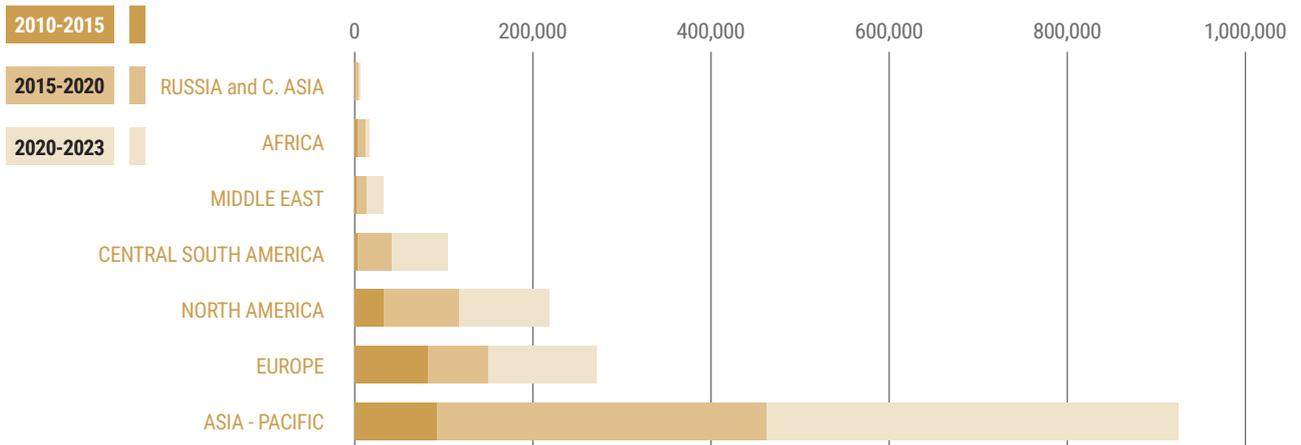
World Solar Photovoltaic Power Generation (2023)

1,604,095 GWh



World Solar Photovoltaic Power Generation Growth (2010-2023)

1,572,174 GWh



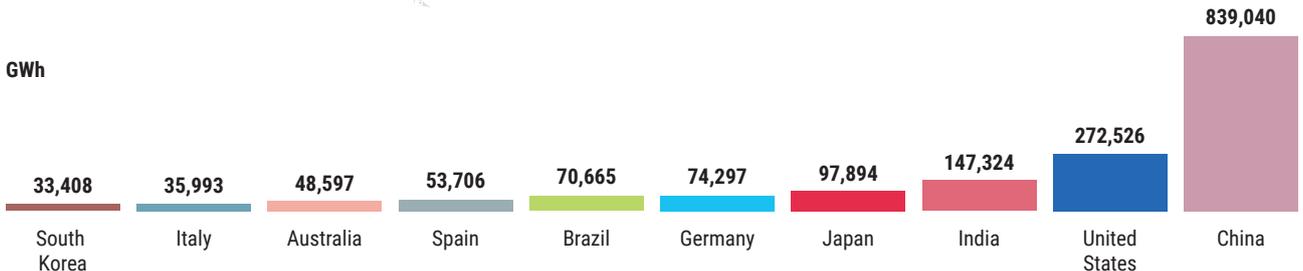
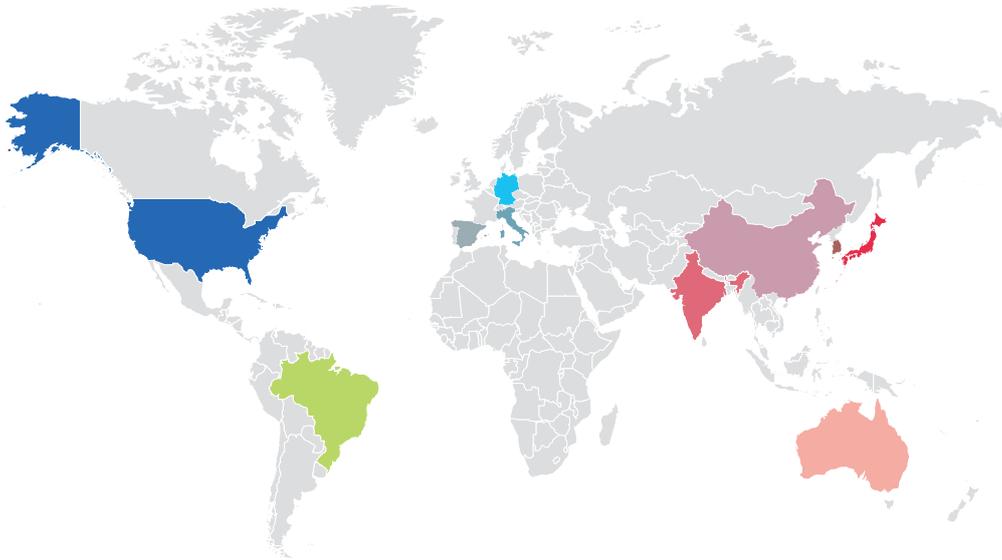
Solar Photovoltaic Power Generation

The World's Top 10^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
China	699	39,500	224,300	260,500	327,000	427,270	584,150	839,040	43.6%	65.9%
United States	3,063	32,091	93,944	115,902	148,153	183,812	214,436	272,526	27.1%	37.8%
India	54	10,401	51,387	62,042	75,646	103,582	118,528	147,324	24.3%	76.0%
Japan	3,543	34,803	69,382	79,087	86,081	92,604	96,459	97,894	1.5%	26.8%
Germany	11,729	38,726	44,383	49,496	50,472	61,022	63,576	74,297	16.9%	14.1%
Brazil		59	6,655	10,748	16,752	30,126	50,633	70,665	39.6%	
Spain	6,425	8,266	9,420	15,675	21,922	31,187	43,421	53,706	23.7%	16.4%
Australia	386	5,019	14,843	21,028	27,712	34,682	41,965	48,597	15.8%	41.3%
Italy	1,906	22,942	23,689	24,942	25,039	28,121	30,711	35,993	17.2%	23.4%
South Korea	772	3,975	12,996	17,967	23,395	28,918	29,903	33,408	11.7%	30.9%
The World's Top 10	28,577	195,782	550,997	657,386	802,173	1,021,325	1,273,783	1,673,450	31.4%	33.7%
Rest of the World	3,344	48,933	135,205	173,842	225,660	274,066	330,312		20.5%	38.8%
World	31,920	244,715	686,203	831,228	1,027,832	1,295,390	1,604,095		23.8%	32.3%

The World's Top 10 (2024)



^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

Solar Photovoltaic Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Europe	22,623	104,629	145,085	172,264	195,043	245,248	293,964	349,936	19.0%	21.6%
Albania	0	0	22	32	41	161	297	720		
Austria	89	937	1,702	2,043	2,774	3,783	6,395	7,645	19.5%	37.5%
Belarus	0	8	181	176	172	287	287		0.1%	
Belgium	584	3,057	4,252	5,113	5,623	6,879	7,820	8,000	2.3%	20.6%
Bosnia Herzegovina	0	0	30	45	72	114	253	597		
Bulgaria	15	1,382	1,417	1,469	1,467	2,094	3,521	5,044	43.3%	51.5%
Croatia	0	57	83	96	149	152	413	695	68.3%	
Cyprus	6	127	218	296	468	602	831	1,083	30.5%	44.3%
Czech Republic	616	2,264	2,316	2,294	2,250	2,626	2,892	3,593	24.2%	13.4%
Denmark	6	604	963	1,181	1,309	2,203	3,363	3,776	12.3%	58.4%
Estonia	0	0	74	245	354	596	721	1,005	39.4%	
Finland	5	11	147	218	298	392	716	1,155	61.2%	47.5%
France	620	7,754	12,165	13,189	15,357	19,628	21,823	23,624	8.3%	29.7%
Germany	11,729	38,726	44,383	49,496	50,472	61,022	63,576	74,297	16.9%	14.1%
Gibraltar	0	0	0	0	0	0	0	0		
Greece	158	3,900	4,429	4,447	5,251	7,140	8,894	9,467	6.4%	34.0%
Hungary	1	141	1,497	2,459	3,796	4,732	6,925	9,136	31.9%	94.1%
Iceland	0	0	0	0	0	0	0	0	0.0%	
Ireland	0	2	34	55	85	149	646	714	10.4%	68.6%
Italy	1,906	22,942	23,689	24,942	25,039	28,121	30,711	35,993	17.2%	23.4%
Kosovo	0	0	11	10	16	14	9	13	48.9%	
Latvia	0	0	3	5	7	75	239	536		
Lithuania	0	73	91	129	191	342	688	1,397	102.9%	
Luxembourg	21	104	130	161	180	276	294	485	65.1%	25.1%
Malta	1	95	195	237	256	289	309	327	5.7%	51.2%
Moldova	0	2	3	4	10	53	163	279	71.1%	
Montenegro	0	0	0	2	3	3	17	43		
Netherlands	56	1,108	5,399	8,567	11,304	16,657	19,578	21,267	8.6%	52.8%
North Macedonia	0	23	23	24	51	101	355	371	4.3%	
Norway	0	0	13	82	109	173	358	534	49.3%	
Poland	0	57	711	1,958	3,934	8,310	11,107	15,231	37.1%	
Portugal	211	796	1,342	1,716	2,237	3,519	5,160	7,079	37.2%	28.5%
Romania	0	1,982	1,778	1,733	1,703	1,988	2,227	3,400	52.7%	
Serbia	0	11	14	13	14	16	47	121		
Slovakia	17	506	589	663	671	650	605	695	14.9%	30.3%
Slovenia	13	274	303	368	453	646	984	1,783	81.1%	42.1%
Spain	6,425	8,266	9,420	15,675	21,922	31,187	43,421	53,706	23.7%	16.4%
Sweden	9	97	679	1,051	1,526	1,980	3,114	4,147	33.2%	55.0%
Switzerland	94	1,119	2,178	2,599	2,842	3,858	4,624	5,903	27.7%	34.4%
Türkiye	0	194	9,250	10,950	13,943	16,888	22,091	26,278	19.0%	
Ukraine	0	477	2,933	5,969	6,565	4,201	4,599	5,009	8.9%	
United Kingdom	40	7,533	12,418	12,552	12,133	13,344	13,889	14,790	6.5%	52.5%

(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

(**) When 2024 data is missing, the figure refers to the latest available years.

Solar Photovoltaic Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Russia and Central Asia		459	2,215	3,696	4,252	5,476	6,019		9.9%	
Russia		335	1,279	2,022	2,225	2,556	2,710		6.0%	
Armenia		1	61	137	294	524	733	975	32.9%	
Azerbaijan		5	44	47	55	61	81	556		
Kazakhstan		118	831	1,490	1,629	1,900	1,873	1,920	2.5%	
Uzbekistan					49	436	622		42.8%	
Others Central Asia					1	0	0			
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Middle East	95	1,433	9,931	13,625	16,806	22,122	32,173		45.4%	56.5%
Bahrain			10	18	39	83	104		24.2%	
Iran		1	673	584	622	835	921		10.3%	
Iraq		57	57	57	57	61	61		0.0%	
Israel	70	1,115	2,609	3,525	4,574	5,352	7,540	10,793	43.1%	43.3%
Jordan		2	2,059	2,521	3,290	3,447	3,571		3.6%	
Kuwait		5	20	20	20	19	20		5.2%	
Lebanon	1	17	116	133	309	1,262	1,550		22.8%	76.0%
Oman		4	17	211	254	1,073	1,101		2.6%	
Saudi Arabia						594	1,882			
United Arab Emirates	18	61	3,434	4,942	5,991	7,455	13,313		78.6%	66.2%
Yemen	2	116	492	499	499	511	533		4.3%	53.7%
Others Middle East	4	55	445	1,116	1,150	1,428	1,578		10.5%	58.4%

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^(**) When 2024 data is missing, the figure refers to the latest available years.

Solar Photovoltaic Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Africa	233	2,511	10,720	12,433	14,112	15,122	16,549		9.4%	38.8%
Algeria		58	675	665	640	649	686		5.8%	
Angola					19	387	400		3.4%	
Benin		5	8	7	17	33	52		56.5%	
Cameroon			19	47	61	75	88		18.6%	
Congo			0	1	1	1	1		16.1%	
Côte d'Ivoire			11	17	21	24	38		56.7%	
Dem. Rep. Congo		2	12	17	22	26	30	31	2.7%	
Egypt	206	168	4,430	4,945	4,753	4,893	5,272		7.7%	28.3%
Ethiopia		18	20	32	34	34	34		0.0%	
Gabon		2	0	0	1	1	1		0.0%	
Ghana		3	52	57	122	162	148	181	22.3%	
Kenya	3	50	92	88	167	384	492	460	-6.3%	43.3%
Libya	6	8	8	8	9	10	10		0.0%	3.7%
Madagascar		1	38	41	43	62	233			
Mauritania		35	149	145	145	119	123		3.5%	
Morocco		1	395	390	534	584	612	586	-4.3%	
Mozambique		3	33	72	71	74	85		14.3%	
Namibia	2	13	356	403	419	452	452	452	0.0%	47.3%
Niger	3	4	24	24	24	24	37		53.9%	21.2%
Nigeria		16	54	78	108	151	212	213	0.7%	
Rwanda		18	32	34	36	37	39		4.9%	
Senegal	3	4	329	385	552	594	582		-2.0%	50.0%
South Africa		1,946	3,255	4,071	5,189	4,963	5,259	5,204	-1.0%	
South Sudan		2	5	7	6	7	21			
Tanzania		23	28	30	34	36	35	35	0.0%	
Tunisia	1	36	119	150	215	319	487		52.6%	61.0%
Uganda	5	17	122	131	141	145	144		-0.7%	29.5%
Zambia			129	163	161	159	164	146	-10.9%	
Zimbabwe			5	9	10	16	16		4.9%	
Others Africa	4	78	322	415	556	705	797		13.1%	50.3%

(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

(**) When 2024 data is missing, the figure refers to the latest available years.

Solar Photovoltaic Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Asia - Pacific	5,588	98,023	392,075	467,907	588,471	742,174	929,913		25.3%	48.2%
Australia	386	5,019	14,843	21,028	27,712	34,682	41,965	48,597	15.8%	41.3%
Bangladesh	44	266	374	459	613	866	1,270	1,455	14.5%	28.4%
Brunei		2	2	2	4	5	6		9.7%	
China	699	39,500	224,300	260,500	327,000	427,270	584,150	839,040	43.6%	65.9%
Hong Kong	1	4	17	52	120	210	282		34.1%	54.3%
India	54	10,401	51,387	62,042	75,646	103,582	118,528	147,324	24.3%	76.0%
Indonesia	1	5	118	171	193	444	713		60.7%	65.8%
Japan	3,543	34,803	69,382	79,087	86,081	92,604	96,459	97,894	1.5%	26.8%
Malaysia	0	276	1,414	2,054	2,037	3,392	3,417		0.7%	
Mongolia	8	8	117	117	165	186	196	258	32.1%	28.2%
Myanmar		7	35	81	86	159	159		0.0%	
Nepal	6	18	84	84	86	103	106		2.5%	24.7%
New Zealand	4	37	128	161	210	284	370	607	64.0%	43.6%
North Korea	1	29	53	53	65	65	65		0.0%	37.9%
Pakistan	0	208	730	739	812	936	1,078		15.2%	
Philippines	2	141	1,263	1,391	1,487	1,842	2,564	3,831	49.4%	71.6%
Singapore	5	69	410	499	727	948	1,386	1,746	26.0%	51.9%
South Korea	772	3,975	12,996	17,967	23,395	28,918	29,903	33,408	11.7%	30.9%
Sri Lanka	17	21	299	387	545	720	859		19.3%	35.2%
Taiwan	22	850	4,016	6,075	7,970	10,677	12,909	14,903	15.4%	59.3%
Thailand	20	2,378	5,146	5,031	5,015	5,070	5,346	5,421	1.4%	49.2%
Vietnam			4,818	9,575	27,791	28,397	27,222	26,020	-4.4%	
Others Asia-Pacific	3	7	147	355	710	815	960		17.8%	55.0%

(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

(**) When 2024 data is missing, the figure refers to the latest available years.

Solar Photovoltaic Power Generation

Countries^(*)

(GWh)

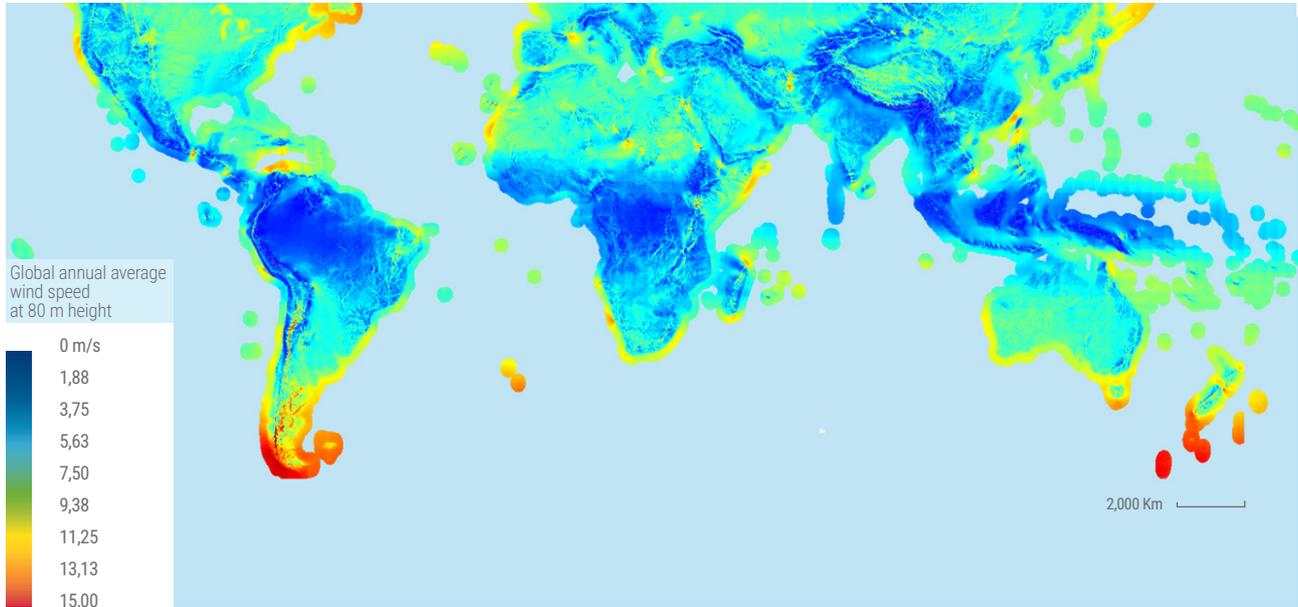
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Americas	3,381	37,660	126,175	161,303	209,148	265,248	325,477		22.7%	42.1%
Argentina	0	15	800	1,345	2,203	2,941	3,280	3,980	21.4%	
Bolivia	1	10	194	338	355	355	375		5.6%	56.2%
Brazil	0	59	6,655	10,748	16,752	30,126	50,633	70,665	39.6%	
Canada	249	2,841	3,752	4,072	5,115	5,737	7,071	7,948	12.4%	28.1%
Chile	0	1,261	6,419	7,971	10,411	15,406	18,306	20,818	13.7%	
Colombia	8	9	137	201	333	518	1,242	2,058	65.8%	48.7%
Costa Rica	0	3	68	70	82	81	82	89	7.9%	
Cuba	0	29	207	192	196	173	168		-2.8%	
Curaçao	0	10	12	13	14	14	16		9.9%	
Dominican Republic	0	32	267	353	500	808	1,181		46.3%	
Ecuador	0	36	38	38	37	39	41		5.1%	
El Salvador	0	7	490	902	1,076	1,124	1,204		7.1%	
Guatemala	1	163	244	231	240	230	256		11.3%	54.0%
Guyana	0	2	9	12	14	18	18		0.0%	
Haiti	0	3	5	5	5	6	6		0.0%	
Honduras	2	441	1,176	1,113	1,140	1,038	1,094		5.4%	62.4%
Jamaica	0	0	90	124	132	131	133		1.5%	
Mexico	31	274	10,060	15,986	20,387	20,535	23,560	24,274	3.0%	61.0%
Nicaragua	0	2	26	26	27	26	27		4.3%	
Panama	0	16	295	317	586	703	872		24.0%	
Peru	20	285	838	855	877	896	957	1,262	32.0%	34.5%
Suriname	0	9	12	12	13	13	13		0.0%	
Trinidad and Tobago	4	6	6	6	6	6	6		0.0%	3.5%
United States	3,063	32,091	93,944	115,902	148,153	183,812	214,436	272,526	27.1%	37.8%
Uruguay	0	49	424	462	483	503	492	519	5.6%	
Venezuela	2	7	9	9	9	9	8		-2.2%	11.7%
Others Americas	0	0	0	0	0	0	0			

^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

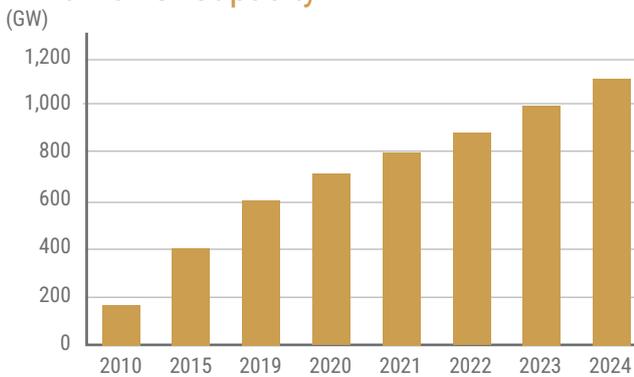
^(**) When 2024 data is missing, the figure refers to the latest available years.

Wind Resources Map (Average Wind Speed at 80 m height)^(*)

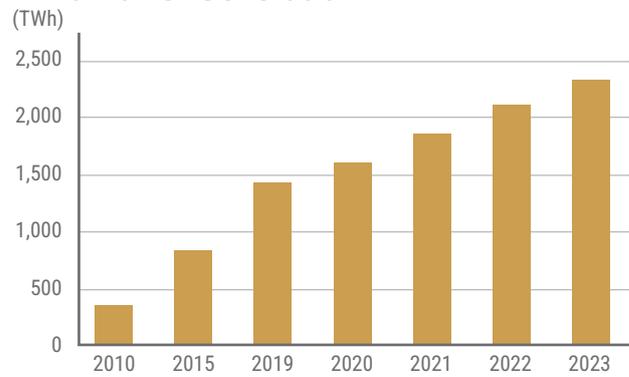
(m/s)



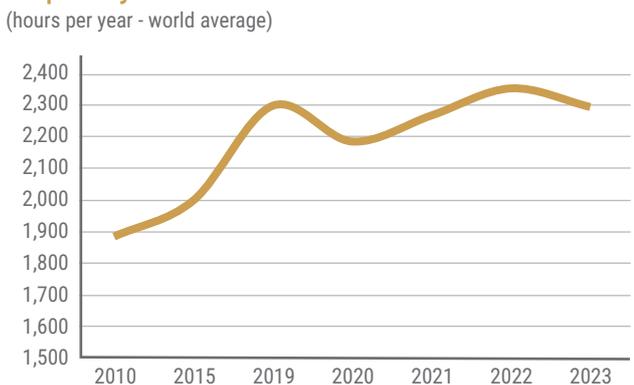
Wind Power Capacity



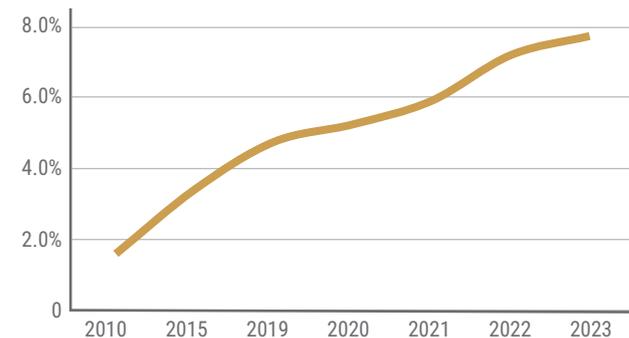
Wind Power Generation



Capacity Factor



Share of Wind on Total Power Generation



^(*) IRENA: Global Atlas, Map data: VAISALA, 2022.

Wind Power Capacity

Areas and Aggregates^(*)

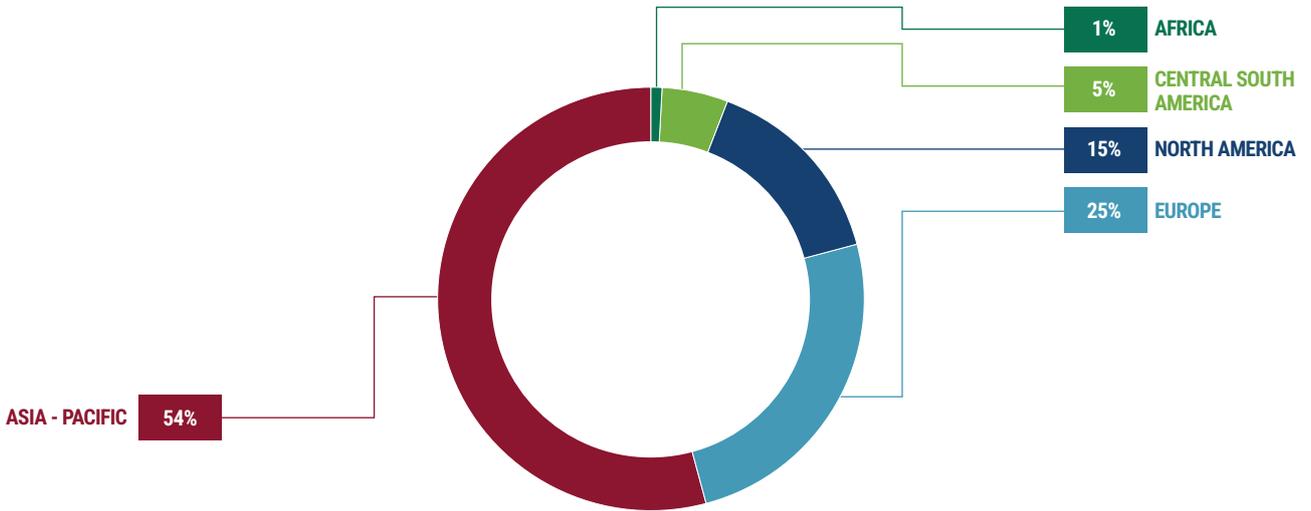
(MW)	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	86,231	147,517	203,701	216,729	232,113	251,728	269,045	283,108	5.2%	8.9%
Russia and Central Asia	15	186	572	1,617	2,824	3,477	4,064	4,678	15.1%	51.0%
Middle East	104	286	785	934	1,039	1,582	1,910	1,921	0.6%	23.2%
Africa	865	3,320	5,529	6,515	6,910	7,746	8,866	9,575	8.0%	18.7%
Asia - Pacific	48,523	166,799	266,011	342,407	395,642	438,363	521,173	608,724	16.8%	19.8%
Americas	45,103	98,277	146,469	165,161	185,781	200,112	213,288	224,650	5.3%	12.2%
- North America	43,102	83,787	116,890	132,010	146,730	156,738	163,657	170,177	4.0%	10.3%
- Central South America	2,001	14,490	29,579	33,151	39,050	43,374	49,631	54,474	9.8%	26.6%
World	180,841	416,385	623,067	733,362	824,308	903,008	1,018,346	1,132,657	11.2%	14.0%
- Onshore Wind	177,785	404,652	594,804	699,022	770,040	840,381	944,091	1,049,778	11.2%	13.5%
- Offshore Wind	3,055	11,733	28,263	34,340	54,268	62,627	74,255	82,879	11.6%	26.6%
European Union 27	78,928	127,177	167,143	177,074	187,936	203,621	218,860	231,271	5.7%	8.0%
MENA	933	2,088	3,397	4,004	4,405	5,038	6,131	6,770	10.4%	15.2%
OECD	134,091	239,446	336,969	368,206	399,780	432,164	458,713	484,156	5.5%	9.6%
NON OECD	46,750	176,939	286,098	365,156	424,528	470,844	559,633	648,501	15.9%	20.7%
OPEC	95	218	381	384	386	818	940	951	1.2%	17.9%
NON OPEC	180,746	416,167	622,686	732,979	823,923	902,190	1,017,406	1,131,706	11.2%	14.0%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Wind Power Capacity

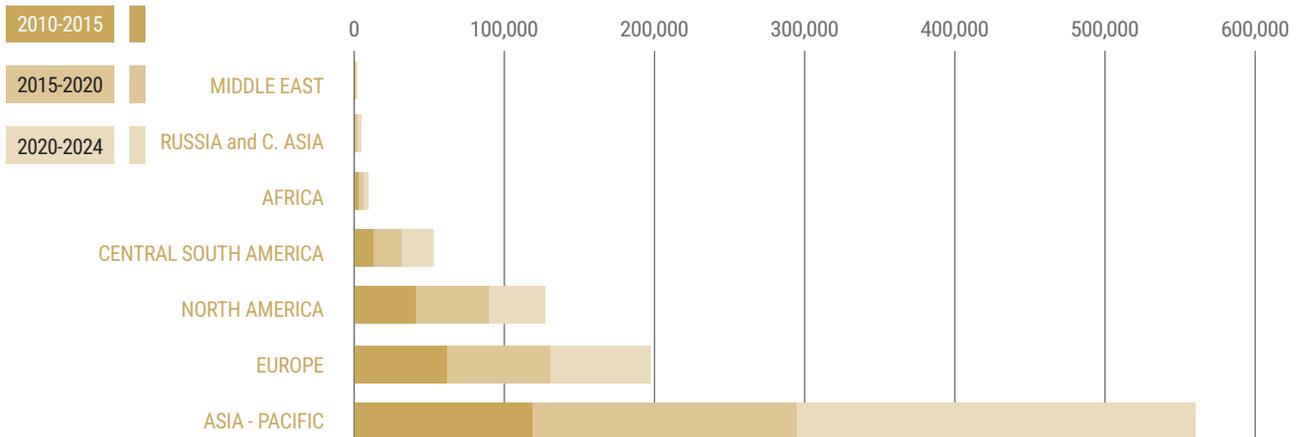
World Wind Power Capacity (2024)

1,132,657 MW



World Wind Power Capacity Growth (2010-2024)

951,816 MW



Wind Power Capacity

Onshore - Area and aggregates^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	83,301	136,511	181,763	191,830	205,726	221,665	235,319	246,267	4.7%	8.1%
Russia and Central Asia	15	186	572	1,617	2,824	3,477	4,064	4,678	15.1%	51.0%
Middle East	104	286	785	934	1,039	1,582	1,910	1,921	0.6%	23.2%
Africa	865	3,320	5,529	6,515	6,910	7,746	8,866	9,575	8.0%	18.7%
Asia - Pacific	48,398	166,072	259,716	332,995	367,801	405,841	480,685	562,857	17.1%	19.2%
Americas	45,103	98,277	146,440	165,131	185,739	200,071	213,247	224,479	5.3%	12.1%
- North America	43,102	83,787	116,861	131,980	146,689	156,697	163,616	170,005	3.9%	10.3%
- Central South America	2,001	14,490	29,579	33,151	39,050	43,374	49,631	54,474	9.8%	26.6%
World	177,785	404,652	594,804	699,022	770,040	840,381	944,091	1,049,778	11.2%	13.5%
European Union 27	77,342	121,266	155,095	162,560	172,808	187,487	199,881	210,436	5.3%	7.4%
MENA	933	2,088	3,397	4,004	4,405	5,038	6,131	6,770	10.4%	15.2%
OECD	131,135	228,371	314,863	343,083	373,165	401,736	424,615	446,613	5.2%	9.1%
NON OECD	46,650	176,281	279,941	355,939	396,875	438,645	519,476	603,165	16.1%	20.1%
OPEC	95	218	381	384	386	818	940	951	1.2%	17.9%
NON OPEC	177,690	404,434	594,423	698,639	769,654	839,563	943,151	1,048,827	11.2%	13.5%

Offshore - Area and aggregates^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	2,930	11,006	21,938	24,899	26,386	30,064	33,726	36,841	9.2%	19.8%
Russia and Central Asia										
Middle East										
Africa										
Asia - Pacific	125	727	6,296	9,412	27,841	32,522	40,487	45,867	13.3%	52.5%
Americas		0	29	29	41	41	41	171		
- North America		0	29	29	41	41	41	171		
- Central South America										
World	3,055	11,733	28,263	34,340	54,268	62,627	74,255	82,879	11.6%	26.6%
European Union 27	1,587	5,911	12,048	14,514	15,128	16,134	18,979	20,835	9.8%	20.2%
MENA										
OECD	2,955	11,075	22,106	25,123	26,615	30,428	34,098	37,543	10.1%	19.9%
NON OECD	100	658	6,157	9,217	27,653	32,199	40,157	45,336	12.9%	54.8%
OPEC										
NON OPEC	3,055	11,733	28,263	34,340	54,268	62,627	74,255	82,879	11.6%	26.6%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

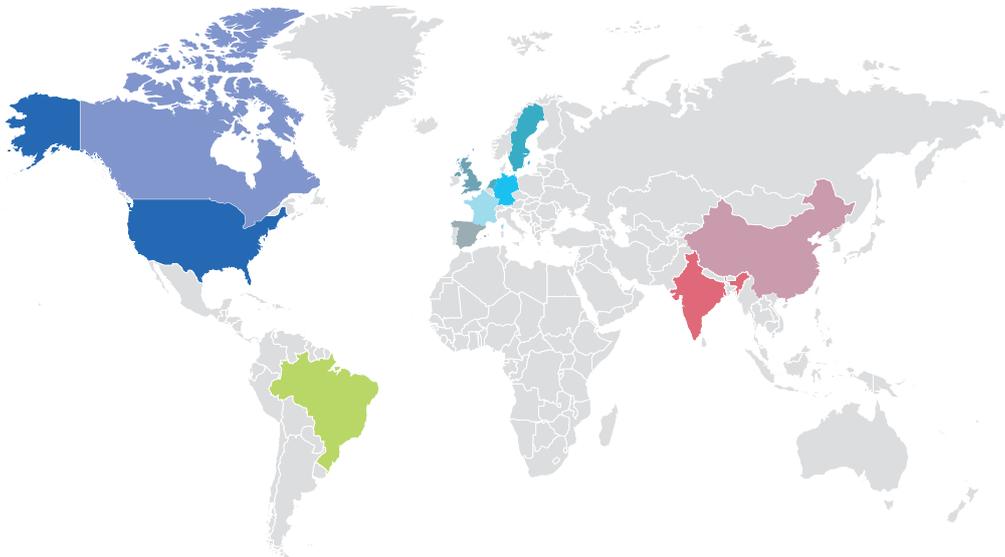
Wind Power Capacity

The World's Top 10^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
China	29,633	131,048	209,582	281,993	328,973	365,964	441,895	521,266	18.0%	22.7%
United States	39,135	72,573	103,670	118,478	132,852	141,501	147,520	152,653	3.5%	10.2%
Germany	26,903	44,580	60,742	62,201	63,711	66,202	69,486	72,823	4.8%	7.4%
India	13,184	25,088	37,505	38,559	40,067	41,930	44,736	48,163	7.7%	9.7%
Brazil	931	7,682	15,457	17,217	21,002	24,196	29,113	32,959	13.2%	29.0%
Spain	5,421	14,305	23,887	24,458	25,748	28,761	30,163	32,146	6.6%	13.6%
United Kingdom	20,693	22,943	25,590	26,819	27,908	30,114	30,868	31,811	3.1%	3.1%
France	5,912	10,298	16,427	17,535	18,551	20,835	23,132	24,592	6.3%	10.7%
Canada	3,967	11,214	13,220	13,532	13,878	15,237	16,137	17,524	8.6%	11.2%
Sweden	2,017	5,819	8,681	9,976	12,116	14,279	16,224	17,239	6.3%	16.6%
The World's Top 10	147,796	345,550	514,761	610,767	684,807	749,019	849,274	951,176	12.0%	14.2%
Rest of the World	33,045	70,835	108,306	122,595	139,501	153,989	169,072	181,481	7.3%	12.9%
World	180,841	416,385	623,067	733,362	824,308	903,008	1,018,346	1,132,657	11.2%	14.0%

The World's Top 10 (2024)



^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Wind Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	86,231	147,517	203,701	216,729	232,113	251,728	269,045	283,108	5.2%	8.9%
Austria	1,016	2,489	3,224	3,226	3,422	3,633	3,896	4,035	3.6%	10.4%
Belarus	2	22	112	112	112	120	122	122	0.0%	34.6%
Belgium	903	2,181	3,864	4,673	4,948	5,303	5,454	5,599	2.7%	13.9%
Bosnia Herzegovina		0	87	87	135	135	135	219	62.2%	
Bulgaria	488	699	703	703	704	704	704	704	0.0%	2.7%
Croatia	79	418	646	801	987	987	1,160	1,191	2.7%	21.4%
Cyprus	82	158	158	158	158	158	158	158	0.0%	4.8%
Czech Republic	213	281	339	339	339	339	343	356	3.9%	3.7%
Denmark	3,802	5,077	6,111	6,259	7,004	7,084	7,277	7,621	4.7%	5.1%
Estonia	108	300	316	317	316	316	337	572	69.7%	12.6%
Finland	197	1,005	2,284	2,586	3,257	5,677	6,946	8,360	20.4%	30.7%
France	5,912	10,298	16,427	17,535	18,551	20,835	23,132	24,592	6.3%	10.7%
Germany	26,903	44,580	60,742	62,201	63,711	66,202	69,486	72,823	4.8%	7.4%
Greece	1,298	2,091	3,589	4,119	4,649	4,702	5,232	5,357	2.4%	10.7%
Hungary	293	329	323	323	324	324	324	324	0.0%	0.7%
Iceland		3	2	2	2	2	4	4	0.0%	
Ireland	1,390	2,451	4,126	4,307	4,339	4,536	4,739	4,942	4.3%	9.5%
Italy	5,794	9,137	10,679	10,871	11,254	11,821	12,307	12,992	5.6%	5.9%
Kosovo	1	1	34	34	34	68	137	137	0.0%	42.1%
Latvia	30	68	78	78	77	82	128	128	0.0%	10.9%
Lithuania	133	436	534	540	671	946	1,284	1,828	42.4%	20.6%
Luxembourg	44	64	136	153	136	165	207	210	1.4%	11.9%
Malta		0	0	0	0	0	0	0	0.0%	
Moldova		1	35	41	67	115	141	123	-13.3%	
Montenegro			118	118	118	118	118	118	0.0%	
Netherlands	2,237	3,391	4,484	6,648	7,646	8,700	10,734	11,679	8.8%	12.5%
North Macedonia		37	37	37	37	37	74	74	0.0%	
Norway	425	867	2,914	4,030	5,049	5,062	5,064	5,152	1.7%	19.5%
Poland	1,108	4,886	5,838	6,298	6,967	8,150	9,343	10,059	7.7%	17.1%
Portugal	3,796	4,937	5,223	5,122	5,427	5,538	5,538	5,583	0.8%	2.8%
Romania	389	3,130	3,038	3,013	3,015	3,015	3,027	3,096	2.3%	16.0%
Serbia		10	398	398	398	398	510	604	18.4%	
Slovakia	3	3	4	4	4	4	4	4	0.0%	2.1%
Slovenia		3	3	3	3	3	3	3	0.0%	
Spain	20,693	22,943	25,590	26,819	27,908	30,114	30,868	31,811	3.1%	3.1%
Sweden	2,017	5,819	8,681	9,976	12,116	14,279	16,224	17,239	6.3%	16.6%
Switzerland	42	60	75	87	88	88	88	102	15.6%	6.6%
Türkiye	1,320	4,503	7,591	8,832	10,607	11,396	11,806	12,973	9.9%	17.7%
Ukraine	88	514	1,258	1,402	1,761	1,761	1,761			
United Kingdom	5,421	14,305	23,887	24,458	25,748	28,761	30,163	32,146	6.6%	13.6%
Others Europe	4	20	13	19	23	48	66	68	3.0%	22.2%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Wind Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Russia and Central Asia	15	186	572	1,617	2,824	3,477	4,064	4,678	15.1%	51.0%
Russia	10	103	197	1,041	2,050	2,280	2,532	2,567	1.4%	48.6%
Armenia	3	3	3	3	3	3	3	3	0.0%	0.7%
Azerbaijan	2	8	66	66	66	64	67	67	0.2%	28.5%
Georgia			21	21	21	21	21	21	0.0%	
Kazakhstan		72	284	486	684	1,108	1,440	1,520	5.6%	
Uzbekistan			1	1	1	1	1	501		
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Middle East	104	286	785	934	1,039	1,582	1,910	1,921	0.6%	23.2%
Bahrain	1	1	1	1	1	3	3	3	0.0%	10.3%
Iran	95	153	305	308	310	342	365	376	3.1%	10.3%
Israel	6	6	27	27	27	136	343	343	0.0%	33.5%
Jordan	1	118	384	529	632	632	631	631	0.0%	54.7%
Kuwait		2	12	12	12	12	12	12	0.0%	
Lebanon		3	3	3	3	3	3	3	0.0%	
Oman			50	50	50	50	50	50	0.0%	
Saudi Arabia			3	3	3	403	403	403	0.0%	
Syria	1	1	1	1	1	1	1	1	0.0%	0.0%
Others Middle East		2			0	0	99	99	0.0%	
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Africa	865	3,320	5,529	6,515	6,910	7,746	8,866	9,575	8.0%	18.7%
Algeria		10	10	10	10	10	10	10	0.0%	
Chad			1	1	1	1	1	1	0.0%	
Egypt	555	755	1,132	1,380	1,640	1,643	1,890	2,199	16.3%	10.3%
Ethiopia		324	324	324	324	404	324	404	24.7%	
Ghana		0	0	0	0	0	0	0	0.0%	
Kenya	6	26	336	336	436	436	436	436	0.0%	36.4%
Madagascar	0	0	0	0	0	0	0	0	0.0%	0.2%
Mauritania		34	34	34	34	34	137	137	0.0%	
Morocco	221	797	1,225	1,435	1,471	1,558	2,076	2,395	15.4%	18.6%
Namibia	0	0	6	6	6	6	6	6	0.0%	27.0%
Senegal			55	159	159	159	159	159	0.2%	
Somalia		3	4	4	4	4	4	4	0.0%	
South Africa	10	1,079	2,094	2,516	2,495	3,163	3,442	3,442	0.0%	51.6%
Tanzania				2	2	2	2	2	0.0%	
Tunisia	54	240	245	245	245	245	245	245	0.0%	11.5%
Others Africa	19	51	62	62	82	81	134	134	0.0%	15.0%

^(*) Data source: Eni's estimates on "IRENA (2025), Renewable Energy Statistics 2025, International Renewable Energy Agency, Abu Dhabi", data.

Wind Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Asia - Pacific	48,523	166,799	266,011	342,407	395,642	438,363	521,173	608,724	16.8%	19.8%
Afghanistan		0	0	0	0	0	0	0	0.0%	
Australia	1,864	4,318	7,881	10,207	10,555	11,966	12,908	15,288	18.4%	16.2%
Bangladesh	2	3	3	3	3	3	3	63		28.4%
China	29,633	131,048	209,582	281,993	328,973	365,964	441,895	521,266	18.0%	22.7%
Hong Kong			1	1	1	1	1	1	0.0%	
India	13,184	25,088	37,505	38,559	40,067	41,930	44,736	48,163	7.7%	9.7%
Indonesia	0	1	154	154	154	154	152	152	0.0%	54.7%
Japan	2,294	2,809	3,951	4,119	4,262	4,483	5,369	5,858	9.1%	6.9%
Mongolia	1	51	156	156	156	156	155	156	0.9%	47.5%
Myanmar		0	0	0	0	0	0	0	0.0%	
Nepal		0	0	0	0	0	0	0	0.0%	
New Zealand	540	689	691	691	914	948	1,046	1,263	20.7%	6.3%
North Korea	0	1	1	2	2	2	2	2	0.0%	14.5%
Pakistan	6	308	1,236	1,236	1,335	1,845	1,845	1,845	0.0%	50.6%
Philippines	33	427	443	443	443	443	443	443	0.0%	20.4%
Singapore			0	0	0	0	0	0	0.0%	
South Korea	367	853	1,494	1,645	1,709	1,946	2,165	2,261	4.5%	13.9%
Sri Lanka	34	131	128	179	252	252	267	267	0.0%	15.9%
Taiwan	476	647	845	937	1,094	1,581	2,677	3,890	45.3%	16.2%
Thailand	6	234	1,507	1,507	1,545	1,545	1,544	1,544	0.0%	49.4%
Vietnam	31	136	375	518	4,118	5,065	5,888	6,185	5.0%	46.0%
Others Asia - Pacific	52	54	57	57	57	77	77	77	0.0%	2.8%

^(*) Data source: Eni's estimates on "IRENA (2025), *Renewable Energy Statistics 2025*, International Renewable Energy Agency, Abu Dhabi", data.

Wind Power Capacity

Countries^(*)

(MW)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Americas	45,103	98,277	146,469	165,161	185,781	200,112	213,288	224,650	5.3%	12.2%
Argentina	1	188	1,609	2,624	3,292	3,310	3,706	4,320	16.6%	80.2%
Barbados	0	0	0	0	0	1	1	1	0.0%	27.2%
Belize	0	0	0	0	0	0	0	0	0.0%	0.0%
Bolivia		3	27	27	128	128	135	135	0.0%	
Brazil	931	7,682	15,457	17,217	21,002	24,196	29,113	32,959	13.2%	29.0%
Canada	3,967	11,214	13,220	13,532	13,878	15,237	16,137	17,524	8.6%	11.2%
Chile	163	910	1,999	2,293	3,140	3,824	4,533	4,717	4.1%	27.2%
Colombia	18	18	18	18	18	34	34	34	0.0%	4.6%
Costa Rica	120	278	411	394	390	390	408	402	-1.3%	9.1%
Cuba	16	16	16	16	16	16	16	16	2.8%	0.4%
Curaçao	12	30	47	47	47	47	47	70	47.6%	13.4%
Dominican Republic		86	370	370	370	417	417	433	3.7%	
Ecuador	2	21	21	21	21	21	71	71	0.0%	27.4%
El Salvador				36	54	54	54	54	0.0%	
Guatemala		76	107	107	107	107	107	107	0.0%	
Guyana	0	0	0	0	0	0	0	0	0.0%	10.4%
Haiti			0	0	0	0	0	0	0.0%	
Honduras		156	239	239	239	239	239	239	0.0%	
Jamaica	42	42	102	102	102	102	102	102	0.0%	6.6%
Mexico	519	3,271	6,541	6,995	7,469	7,634	7,318	7,318	0.0%	20.8%
Nicaragua	63	186	186	186	186	186	186	186	0.0%	8.0%
Panama		205	270	270	270	336	336	336	0.0%	
Peru	1	240	372	409	409	539	1,015	1,151	13.4%	69.7%
Trinidad and Tobago		0	0	0	0	0	0	0	0.0%	
United States	39,135	72,573	103,670	118,478	132,852	141,501	147,520	152,653	3.5%	10.2%
Uruguay	41	857	1,524	1,524	1,524	1,524	1,524	1,524	0.0%	29.6%
Venezuela		50	50	50	50	50	50	50	0.0%	
Others Americas	73	175	210	205	214	218	218	248	13.7%	9.1%

^(*) Data source: Eni's estimates on IRENA (2025), *Renewable Energy Statistics 2025*, International Renewable Energy Agency, Abu Dhabi, data.

Wind Power Generation

Areas and Aggregates^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)	CAGR (2024-2010)
Europe	154,063	319,537	463,102	514,579	500,717	556,240	613,369	626,906	2.2%	10.5%
Russia and Central Asia	12	288	1,231	2,458	5,235	8,039	8,707		8.3%	66.0%
Middle East	174	381	1,727	2,475	2,793	4,520	4,742		4.9%	28.9%
Africa	2,353	8,462	18,440	19,487	22,766	24,372	28,404		16.5%	21.1%
Asia - Pacific	77,001	245,613	518,772	580,348	788,013	910,199	1,056,397		16.1%	22.3%
Americas	108,409	259,658	426,297	482,396	547,018	616,642	620,859		0.7%	14.4%
- North America	103,872	219,956	331,073	377,579	420,107	478,744	466,447	505,145	-2.6%	12.2%
- Central South America	4,537	39,702	95,224	104,817	126,911	137,898	154,411		12.0%	31.2%
World	342,012	833,938	1,429,569	1,601,743	1,866,543	2,120,012	2,332,477		10.0%	15.9%
European Union 27	139,892	263,741	367,978	398,787	387,468	422,617	479,106	487,567	1.8%	9.3%
MENA	2,470	5,425	11,194	12,796	14,121	16,024	18,326		14.4%	16.7%
OECD	270,223	561,495	834,605	938,496	976,040	1,096,693	1,145,189	1,201,780	4.4%	11.7%
NON OECD	71,789	272,444	594,965	663,247	890,503	1,023,320	1,187,288		16.0%	24.1%
OPEC	163	354	750	883	998	2,439	2,546		4.4%	23.5%
NON OPEC	341,849	833,584	1,428,819	1,600,860	1,865,544	2,117,573	2,329,931		10.0%	15.9%

^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

Wind Power Generation

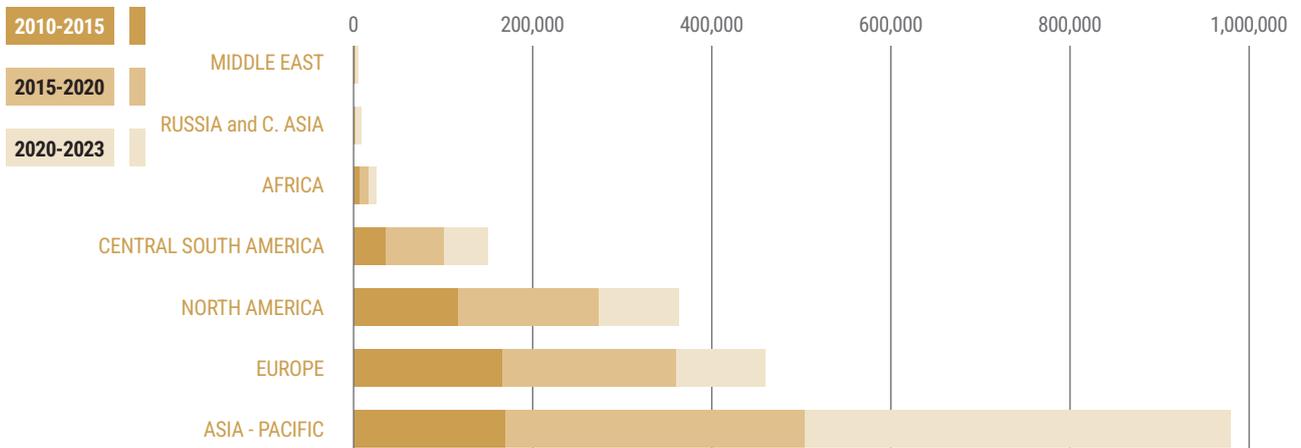
World Wind Power Generation (2023)

2,332,477 GWh



World Wind Power Generation Growth (2010-2023)

1,990,465 GWh



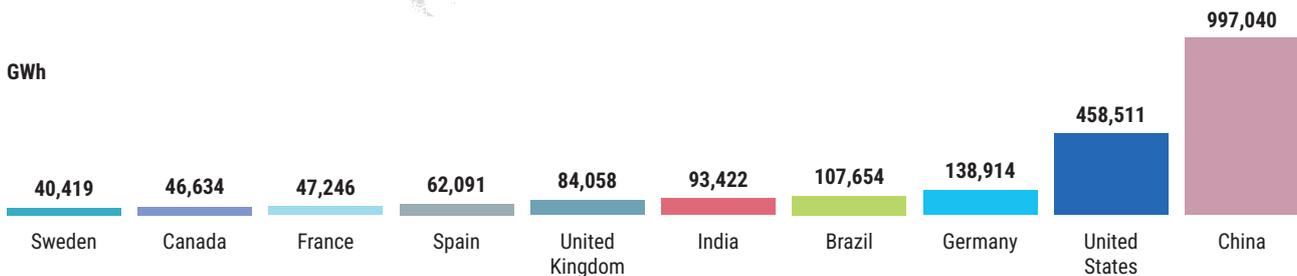
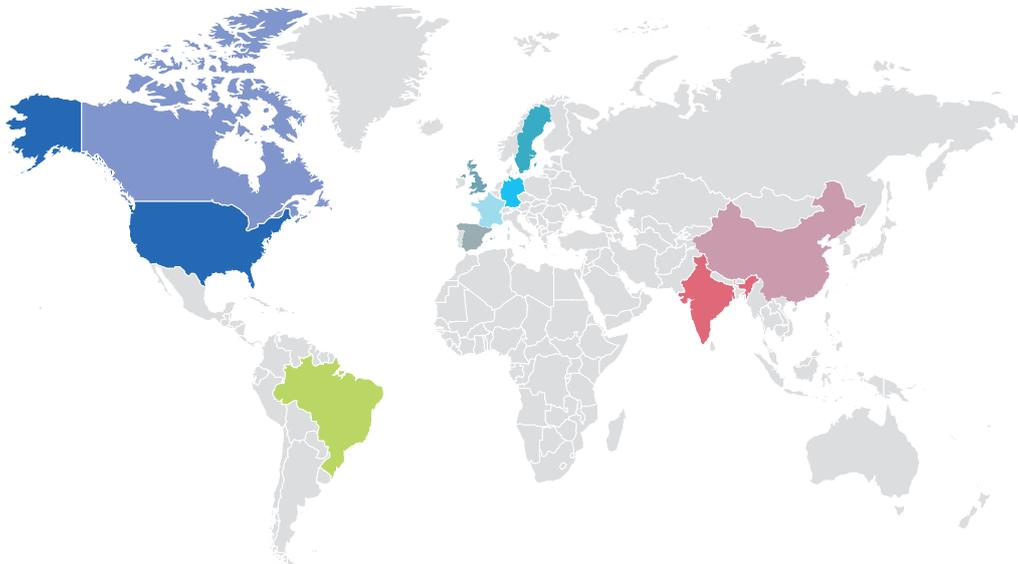
Wind Power Generation

The World's Top 10^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
China	44,622	185,766	406,032	466,474	656,102	762,672	885,870	997,040	12.5%	24.8%
United States	95,148	192,992	298,200	341,818	382,814	439,270	425,941	458,511	7.6%	11.9%
Germany	38,547	80,624	125,894	132,102	114,169	124,816	140,538	138,914	-1.2%	9.6%
Brazil	2,177	21,626	55,986	57,051	72,286	81,632	95,801	107,654	12.4%	32.1%
India	19,657	35,075	70,949	67,308	75,453	80,502	93,465	93,422	0.0%	11.8%
United Kingdom	10,286	40,275	63,835	75,623	64,924	80,542	82,309	84,058	2.1%	16.2%
Spain	44,271	49,325	55,647	56,444	62,061	62,784	64,275	62,091	-3.4%	2.4%
France	9,945	21,849	35,416	40,658	37,628	38,963	51,489	47,246	-8.2%	11.8%
Canada	8,724	26,964	32,873	35,761	37,293	39,474	40,506	46,634	15.1%	12.7%
Sweden	3,487	16,322	19,847	27,526	27,244	33,253	34,245	40,419	18.0%	19.1%
The World's Top 10	276,864	670,818	1,164,679	1,300,766	1,529,974	1,743,908	1,914,438	2,075,988	8.4%	15.5%
Rest of the World	65,149	163,121	264,890	300,977	336,568	376,104	418,039		11.1%	15.4%
World	342,012	833,938	1,429,569	1,601,743	1,866,543	2,120,012	2,332,477		10.0%	15.9%

The World's Top 10 (2024)



(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

(**) When 2024 data is missing, the figure refers to the latest available years.

Wind Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Europe	154,063	319,537	463,102	514,579	500,717	556,240	613,369	626,906	2.2%	10.5%
Austria	2,064	4,840	7,450	6,792	6,740	7,242	8,037	9,257	15.2%	11.3%
Belarus	1	26	178	194	168	180	183		1.7%	49.3%
Belgium	1,296	5,574	9,755	12,819	11,998	12,353	15,444	13,975	-9.5%	18.5%
Bosnia Herzegovina			254	262	382	391	356	393	10.4%	
Bulgaria	681	1,452	1,317	1,477	1,434	1,499	1,584	1,377	-13.1%	5.2%
Croatia	139	796	1,467	1,721	2,062	2,138	2,587	2,558	-1.1%	23.1%
Cyprus	32	222	239	240	246	224	208	203	-2.8%	14.2%
Czech Republic	335	573	700	699	602	641	702	717	2.2%	5.6%
Denmark	7,809	14,133	16,150	16,330	16,054	19,022	19,393	20,553	6.0%	7.2%
Estonia	277	715	687	844	733	668	683	1,164	70.4%	10.8%
Finland	294	2,327	6,025	8,256	8,507	12,022	15,043	19,405	29.0%	34.9%
France	9,945	21,849	35,416	40,658	37,628	38,963	51,489	47,246	-8.2%	11.8%
Germany	38,547	80,624	125,894	132,102	114,169	124,816	140,538	138,914	-1.2%	9.6%
Greece	2,714	4,621	7,266	9,310	10,483	10,883	11,022	11,935	8.3%	11.2%
Hungary	534	693	729	655	664	610	646	659	2.0%	1.5%
Iceland		11	7	7	6	6	7	6	-14.3%	
Ireland	2,861	6,682	10,185	11,740	9,940	11,393	11,863	11,556	-2.6%	10.5%
Italy	9,126	14,844	20,202	18,762	20,927	20,494	23,640	22,306	-5.6%	6.6%
Kosovo	1	0	91	90	0	363	402	345	-14.2%	51.8%
Latvia	49	147	154	177	141	190	271	276	1.9%	13.1%
Lithuania	224	810	1,499	1,552	1,362	1,512	2,536	3,448	36.0%	21.6%
Luxembourg	55	102	281	351	314	312	495	473	-4.5%	16.6%
Malta			0	0	0	0	0	0	0.0%	
Moldova		2	43	51	77	140	192	256	33.3%	
Montenegro			295	315	320	325	312	293	-5.9%	
Netherlands	3,994	7,550	11,508	15,278	18,123	21,566	29,525	33,500	13.5%	16.4%
North Macedonia		121	102	117	103	108	158	166	5.2%	
Norway	879	2,515	5,525	9,913	11,770	14,810	13,965	14,545	4.2%	22.2%
Poland	1,664	10,858	15,107	15,800	16,234	19,780	24,176	24,764	2.4%	21.3%
Portugal	9,182	11,607	13,667	12,299	13,216	13,244	13,145	14,397	9.5%	3.3%
Romania	306	7,063	6,773	6,945	6,576	6,997	7,548	6,364	-15.7%	24.2%
Serbia			898	976	1,085	949	1,068	1,354	26.8%	
Slovakia	6	6	6	4	5	4	4	4	0.0%	-2.9%
Slovenia		6	6	6	6	6	6	7	3.8%	
Spain	44,271	49,325	55,647	56,444	62,061	62,784	64,275	62,091	-3.4%	2.4%
Sweden	3,487	16,322	19,847	27,526	27,244	33,253	34,245	40,419	18.0%	19.1%
Switzerland	37	110	146	145	145	150	169	171	1.2%	11.5%
Türkiye	2,916	11,652	21,731	24,828	31,437	34,945	34,109	36,627	7.4%	19.8%
Ukraine	51	1,084	2,020	3,271	2,833	714	1,033	1,125	8.9%	24.7%
United Kingdom	10,286	40,275	63,835	75,623	64,924	80,542	82,309	84,058	2.1%	16.2%

(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

(**) When 2024 data is missing, the figure refers to the latest available years.

Wind Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Russia and Central Asia	12	288	1,231	2,458	5,235	8,039	8,707		8.3%	66.0%
Russia	4	148	331	1,241	3,311	5,548	4,777		-13.9%	72.5%
Armenia	7	3	3	2	1	2	2	1	-47.4%	-11.7%
Azerbaijan	1	5	105	96	91	83	55	51	-8.2%	32.4%
Georgia			85	91	83	88	86	78	-9.9%	
Kazakhstan		132	707	1,029	1,747	2,319	3,786	4,454	17.6%	
Uzbekistan			16		1		7			
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Middle East	174	381	1,727	2,475	2,793	4,520	4,742		4.9%	25.0%
Bahrain			1	1	1	5	5		0.0%	
Iran	163	221	616	754	737	713	761		6.7%	14.1%
Iraq										
Israel	8	7	190	204	178	317	530	1,320		28.7%
Jordan	3	121	875	1,379	1,596	1,748	1,647		-5.8%	42.0%
Kuwait		25	36	33	29	34	35		5.2%	
Lebanon		6								
Oman			9	103	119	115	115		0.0%	
Qatar										
Saudi Arabia					132	1,588	1,588		0.0%	
Syria			1	1	1	1	1		0.0%	
United Arab Emirates		1			0	0	60			
	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Africa	2,353	8,462	18,440	19,487	22,766	24,372	28,404		16.5%	21.1%
Algeria		19	10	8	12	16	14		-14.0%	
Egypt	1,498	2,058	4,233	5,257	5,784	5,811	6,686		15.1%	12.2%
Ethiopia		759	609	818	561	529	685		29.4%	
Kenya	17	60	1,563	1,331	1,985	2,143	2,008	1,798	-10.5%	39.5%
Morocco	659	2,519	4,723	4,592	5,107	5,356	6,546	9,351	42.9%	20.9%
Namibia	1	1	18	22	22	22	22	22	0.0%	24.5%
Senegal			23	217	400	396	382		-3.3%	
South Africa	34	2,484	6,624	6,611	8,308	9,641	11,587	10,987	-5.2%	51.1%
Tunisia	139	448	500	465	425	322	338		5.1%	7.1%
Others Africa	5	114	136	166	164	138	136		-1.3%	28.9%

^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

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Wind Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Asia-Pacific	77,001	245,613	518,772	580,348	788,013	910,199	1,056,397		16.1%	22.3%
Australia	5,052	11,467	17,712	20,396	24,535	29,108	31,385	30,992	-1.3%	13.8%
Bangladesh	3	4	5	5	5	5	5	5	0.0%	3.8%
China	44,622	185,766	406,032	466,474	656,102	762,672	885,870	997,040	12.5%	24.8%
Hong Kong	1	1	1	1	1	1	1		-21.9%	-2.7%
India	19,657	35,075	70,949	67,308	75,453	80,502	93,465	93,422	0.0%	11.8%
Indonesia	4	4	484	475	437	356	481		35.1%	44.5%
Japan	4,016	5,580	7,617	8,970	9,412	9,295	10,492	11,984	14.2%	8.1%
Mongolia	1	154	476	476	581	510	505	510	0.9%	56.1%
Nepal				1	1	6	6		0.0%	
New Zealand	1,637	2,364	2,255	2,305	2,642	2,865	3,238	3,957	22.2%	6.5%
Pakistan		786	2,882	2,900	4,584	4,086	4,086		0.0%	
Philippines	62	748	1,042	1,026	1,270	1,030	1,308	1,239	-5.3%	23.9%
South Korea	817	1,342	2,681	3,151	3,182	3,372	3,397	3,384	-0.4%	10.7%
Sri Lanka	53	343	348	350	653	723	818		13.2%	23.4%
Taiwan	1,026	1,526	1,892	2,309	2,257	3,543	6,238	10,329	65.6%	17.9%
Thailand		329	3,670	3,220	3,552	3,036	3,519	3,514	-0.2%	
Vietnam	50	124	724	982	3,344	9,090	11,583	12,530	8.2%	48.4%

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^(**) When 2024 data is missing, the figure refers to the latest available years.

Wind Power Generation

Countries^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023) ^(**)	CAGR (2024-2010) ^(**)
Americas	108,409	259,658	426,297	482,396	547,018	616,642	620,859		0.7%	14.4%
Argentina	25	593	4,997	9,412	12,940	14,168	14,481	16,171	11.7%	58.8%
Bolivia	1	12	70	64	120	439	479		9.2%	60.8%
Brazil	2,177	21,626	55,986	57,051	72,286	81,632	95,801	107,654	12.4%	32.1%
Canada	8,724	26,964	32,873	35,761	37,293	39,474	40,506	46,634	15.1%	12.7%
Chile	332	2,115	4,897	5,602	7,628	8,893	9,391	10,881	15.9%	28.3%
Colombia	39	68	63	10	62	133	203	453		19.1%
Costa Rica	359	1,080	1,796	1,459	1,573	1,369	1,461	1,240	-15.2%	9.3%
Cuba	12	21	44	69	69	69	69		0.0%	14.4%
Curaçao	63	124	208	191	197	189	174		-8.0%	8.1%
Dominican Republic		290	813	1,169	1,239	1,215	1,129		-7.1%	
Ecuador	3	99	86	77	62	61	209			38.6%
Guatemala		107	331	313	324	314	344		9.6%	
Honduras		665	818	707	775	686	770		12.2%	
Jamaica	53	125	272	280	264	272	232		-14.7%	12.0%
Mexico	1,239	8,745	16,894	19,900	21,286	20,517	20,907	19,953	-4.6%	22.0%
Nicaragua	163	865	730	550	656	562	665		18.4%	11.4%
Panama		419	725	584	530	577	887		53.7%	
Peru	1	595	1,654	1,813	1,822	1,931	2,355	3,914	66.2%	80.6%
United States	95,148	192,992	298,200	341,818	382,814	439,270	425,941	458,511	7.6%	11.9%
Uruguay	70	2,065	4,752	5,476	4,991	4,783	4,765	4,751	-0.3%	35.2%
Venezuela		88	88	88	88	88	88		0.0%	
Others Americas			0	0	0	0	0		0.0%	

^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.



Power Generation

Focus On

Hydroelectric and nuclear power are long-established electricity generation methods. In recent years, these technologies have maintained stable generation capacity, unlike wind and solar, which have seen significant growth. In 2024, hydroelectric and nuclear consolidated their shares in the electricity mix at about 15% and 10%, respectively.

In 2023, **global hydroelectric generation** amounted to around 4,200 TWh, a decrease of 2% compared to 2022. The declines in Asia-Pacific (-6%) and the Americas (-4%) were only partially offset by the significant growth in Europe (+14%). The trend was the opposite for **nuclear power**, which reached 2,740 TWh worldwide, marking a 2% increase over the previous year. Growth was driven by the Asia-Pacific region (+6%), particularly Japan (+50%), where several plants resumed operation after the Fukushima disaster, as well as the Middle East (+47.2%), thanks to a new plant entering operation in the United Arab Emirates.

In 2024, the world's leading country for hydroelectric generation was China, producing about 1,360 TWh (+10% compared to 2023), followed by Brazil (422 TWh, -1% vs. 2023) and Canada (343 TWh, -5% vs. 2023).

In 2024, the top country for nuclear generation was the United States with about 810 TWh (+1%), followed by China (451 TWh, +4%) and France (380 TWh, +12%).

Power Generation

Focus On

HYDROELECTRIC GENERATION

Areas and Aggregates

The World's Top 10

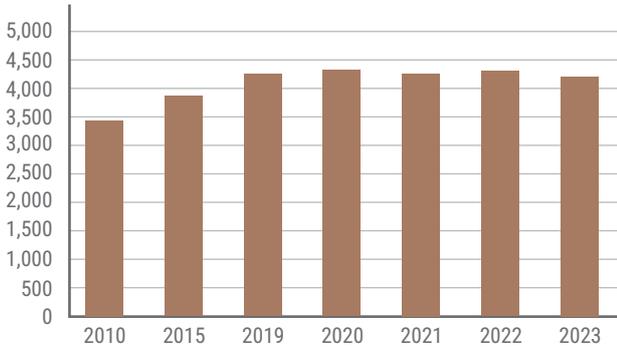
NUCLEAR GENERATION

Areas and Aggregates

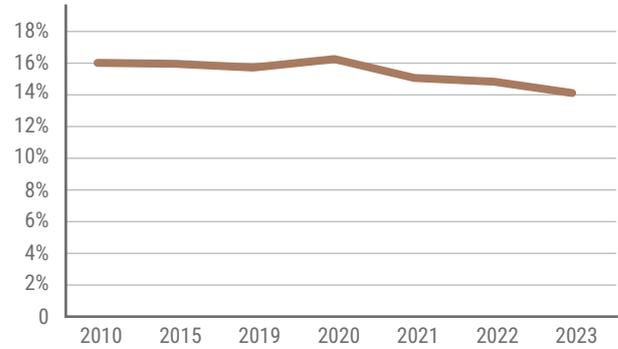
The World's Top 10

Hydro Power Generation

(TWh)

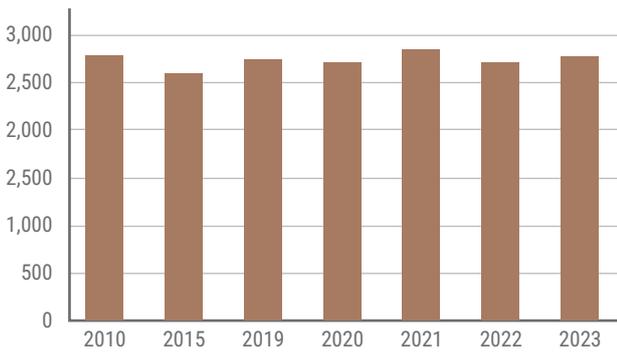


Share of hydro on total generation

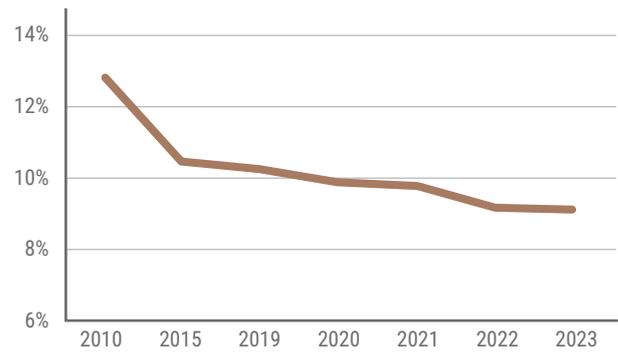


Nuclear Power Generation

(TWh)



Share of Nuclear on total generation



Hydroelectric Generation

Areas and Aggregates^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)**	CAGR (2024-2010)**
Europe	639,030	629,570	622,717	655,105	644,670	554,241	631,091	683,314	8.3%	0.5%
Russia and Central Asia	225,577	224,487	257,073	270,438	273,937	259,197	262,418		1.2%	1.2%
Middle East	17,816	17,605	37,788	28,064	16,997	20,825	19,647		-5.7%	0.8%
Africa	106,253	117,533	137,065	143,686	146,956	154,271	158,271		2.6%	3.1%
Asia - Pacific	1,100,571	1,559,064	1,793,222	1,843,521	1,849,029	1,902,239	1,782,026		-6.3%	3.8%
Americas	1,352,431	1,339,078	1,409,177	1,404,242	1,348,650	1,435,280	1,379,231		-3.9%	0.2%
- North America	613,616	633,173	671,531	673,645	635,870	654,287	607,456	587,193	-3.3%	-0.3%
- Central South America	738,815	705,905	737,647	730,597	712,781	780,993	771,776		-1.2%	0.3%
World	3,441,677	3,887,338	4,257,042	4,345,056	4,280,239	4,326,053	4,232,684		-2.2%	1.6%
European Union	371,825	335,992	320,259	347,179	348,447	276,156	329,853	368,646	11.8%	-0.1%
MENA	34,554	33,249	54,307	43,796	32,501	36,665	35,490		-3.2%	0.2%
OECD	1,404,429	1,441,741	1,471,695	1,503,682	1,457,859	1,341,153	1,397,539	1,441,289	3.1%	0.2%
NON OECD	2,037,248	2,445,596	2,785,348	2,841,375	2,822,380	2,984,901	2,835,144		-5.0%	2.4%
OPEC	102,674	105,995	120,853	117,065	107,039	110,332	105,158		-4.7%	0.2%
NON OPEC	3,339,003	3,781,343	4,136,190	4,227,991	4,173,200	4,215,721	4,127,526		-2.1%	1.5%

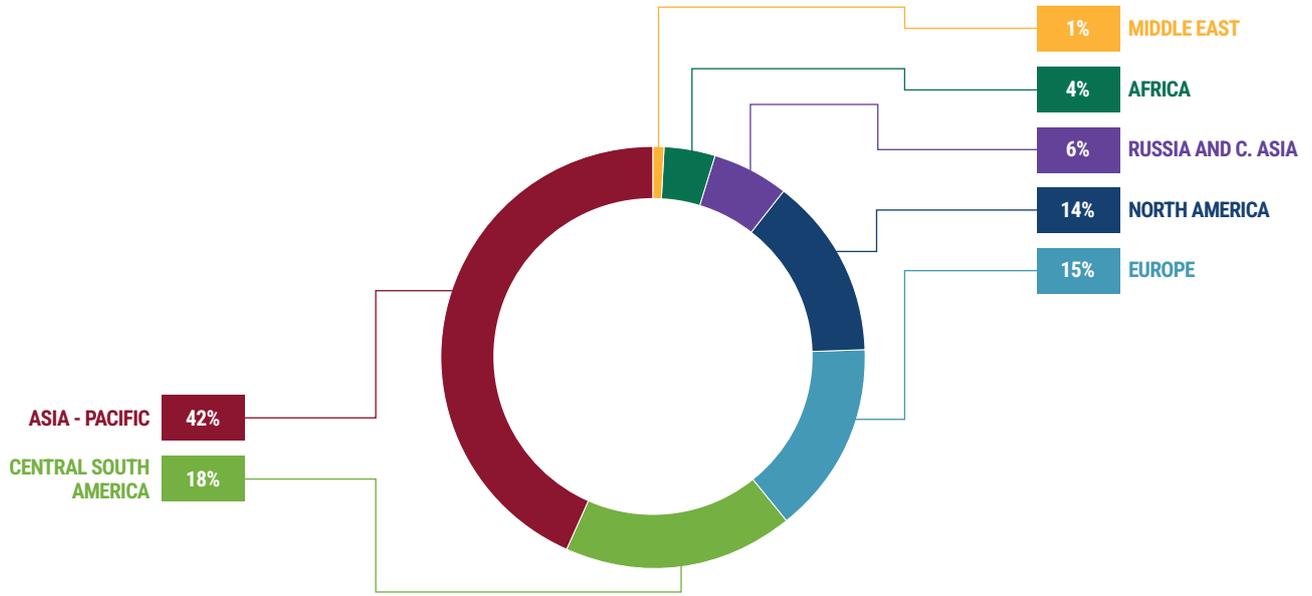
^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

Hydroelectric Generation

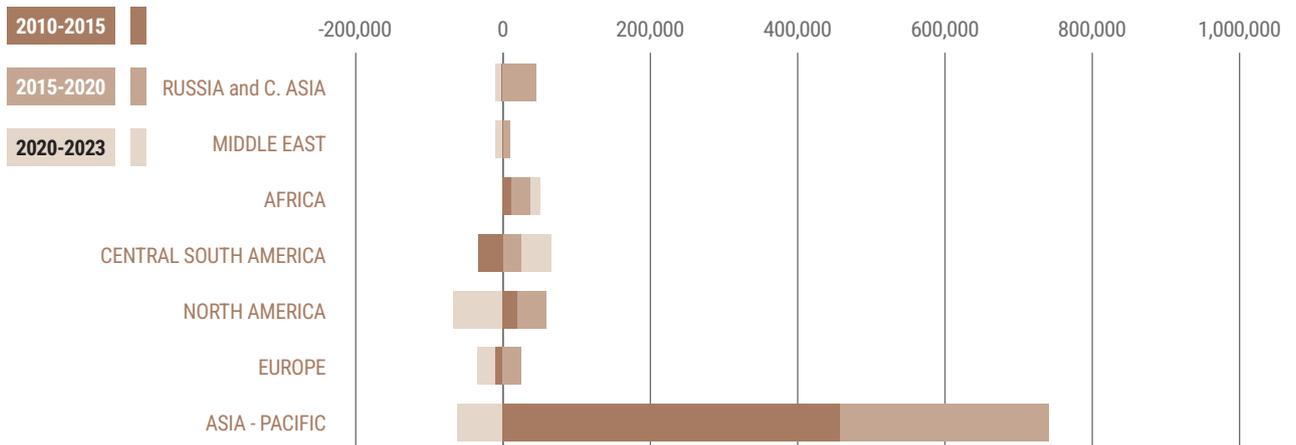
Hydroelectric Generation (2023)

4,232,684 GWh



Hydroelectric Generation Growth (2010-2023)

791,006 GWh



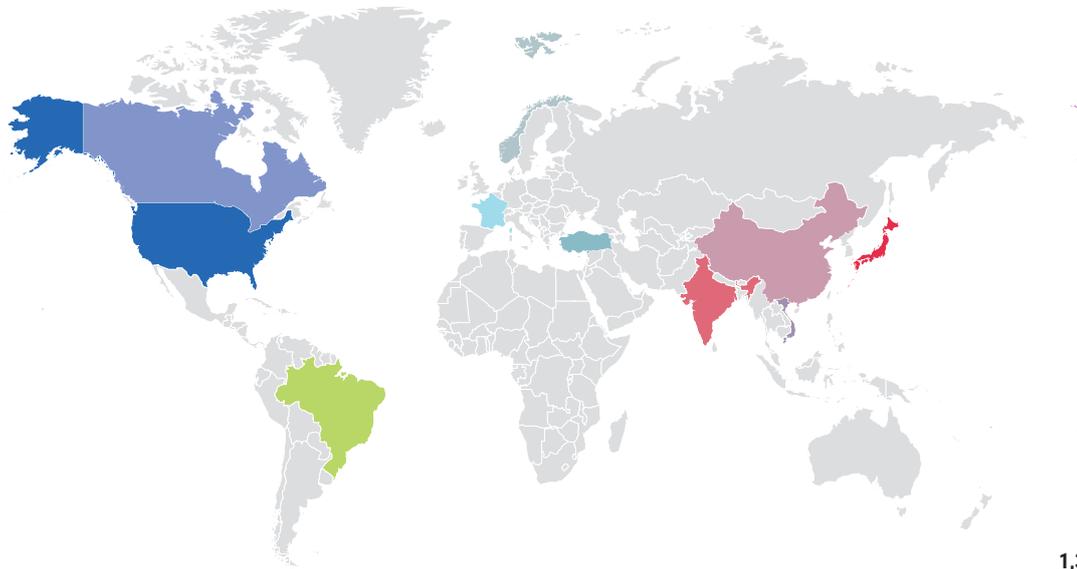
Hydroelectric Generation

The World's Top 10^(*)

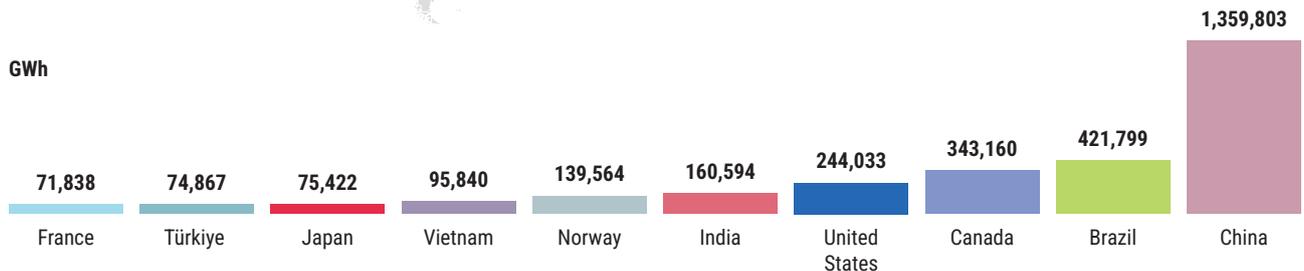
(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)**	CAGR (2024-2010)**
China	711,383	1,114,470	1,272,516	1,321,762	1,299,999	1,302,319	1,230,646	1,359,803	10.5%	4.7%
Brazil	403,289	359,743	397,877	396,381	362,818	427,114	425,996	421,799	-1.0%	0.3%
Canada	351,350	382,155	381,732	386,506	382,391	397,686	360,699	343,160	-4.9%	-0.2%
United States	262,266	251,018	289,799	287,139	253,479	256,601	246,757	244,033	-1.1%	-0.5%
India	124,922	136,495	172,467	160,898	162,447	173,560	143,890	160,594	11.6%	1.8%
Norway	116,739	137,302	125,289	141,805	143,965	128,240	136,714	139,564	2.1%	1.3%
Vietnam	27,550	56,123	66,117	72,892	78,553	95,929	80,595	95,840	18.9%	9.3%
Japan	83,800	87,118	79,993	78,807	78,792	77,022	75,154	75,422	0.4%	-0.7%
Türkiye	51,796	67,146	88,823	78,094	55,927	66,802	64,002	74,867	17.0%	2.7%
France	61,202	55,556	56,914	62,594	59,616	45,521	56,657	71,838	26.8%	1.2%
The World's Top 10	2,194,297	2,647,126	2,931,527	2,986,878	2,877,987	2,970,794	2,821,110	2,986,920	5.9%	2.2%
Rest of the World	1,247,380	1,240,211	1,325,515	1,358,178	1,402,252	1,355,260	1,411,573		4.2%	1.0%
World	3,441,677	3,887,338	4,257,042	4,345,056	4,280,239	4,326,053	4,232,684		-2.2%	1.6%

The World's Top 10 (2024)



GWh



^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

Nuclear Generation

Areas and Aggregates^(*)

(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)**	CAGR (2024-2010)**
Europe	1,032,101	967,737	930,942	834,317	889,155	749,706	748,376	767,366	2.5%	-2.1%
Russia and Central Asia	172,905	198,258	211,182	218,501	225,370	226,218	219,709		-2.9%	1.9%
Middle East		2,914	6,757	7,318	14,425	26,550	39,076		47.2%	
Africa	12,099	12,237	13,252	9,903	12,738	10,594	8,544		-19.3%	-2.6%
Asia - Pacific	582,021	423,478	647,655	649,006	730,417	745,474	791,177		6.1%	2.4%
Americas	957,162	965,447	980,324	957,282	941,685	924,305	933,599		1.0%	-0.2%
- North America	929,589	932,097	944,527	921,345	904,180	890,908	897,123	901,620	0.5%	-0.2%
- Central South America	27,573	33,350	35,797	35,938	37,505	33,397	36,476		9.2%	2.2%
World	2,756,288	2,570,071	2,790,111	2,676,326	2,813,791	2,682,846	2,740,481		2.1%	0.0%
European Union 27	854,470	786,676	765,338	683,512	731,701	609,255	619,601	649,263	4.8%	-1.9%
MENA		2,914	6,757	7,318	14,425	26,550	39,076		47.2%	
OECD	2,288,371	1,970,960	1,985,510	1,861,142	1,914,321	1,787,140	1,831,285	1,883,301	2.8%	-1.4%
NON OECD	467,917	599,111	804,602	815,185	899,470	895,706	909,196		1.5%	5.2%
OPEC		2,914	6,757	7,318	14,425	26,550	39,076		47.2%	
NON OPEC	2,756,288	2,567,157	2,783,355	2,669,009	2,799,366	2,656,296	2,701,405		1.7%	-0.2%

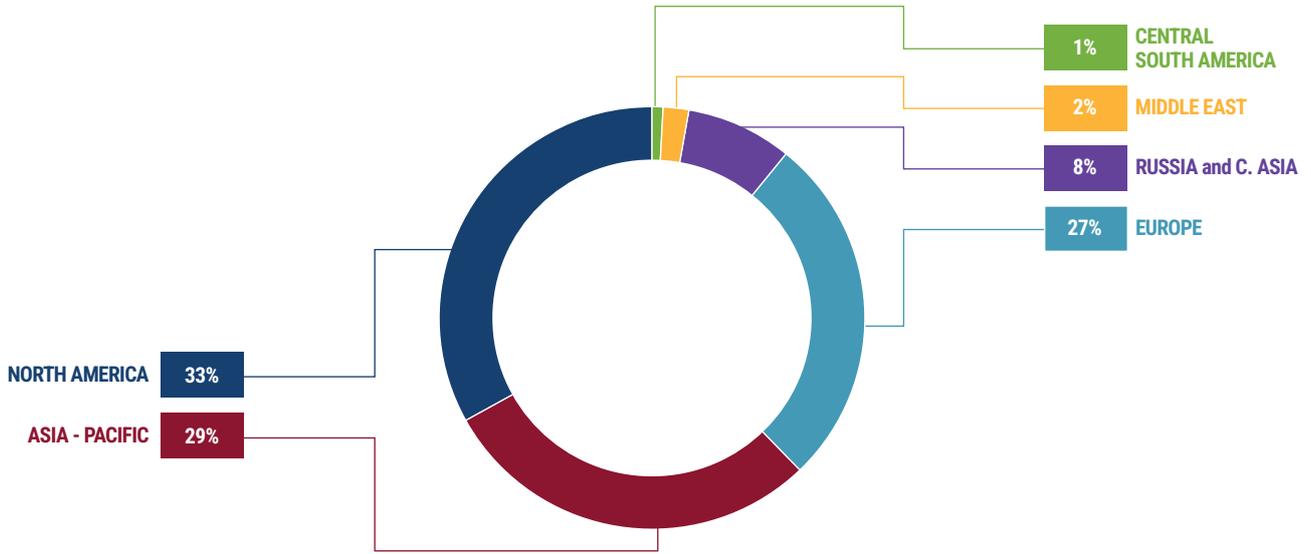
^(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

^(**) When 2024 data is missing, the figure refers to the latest available years.

Nuclear Generation

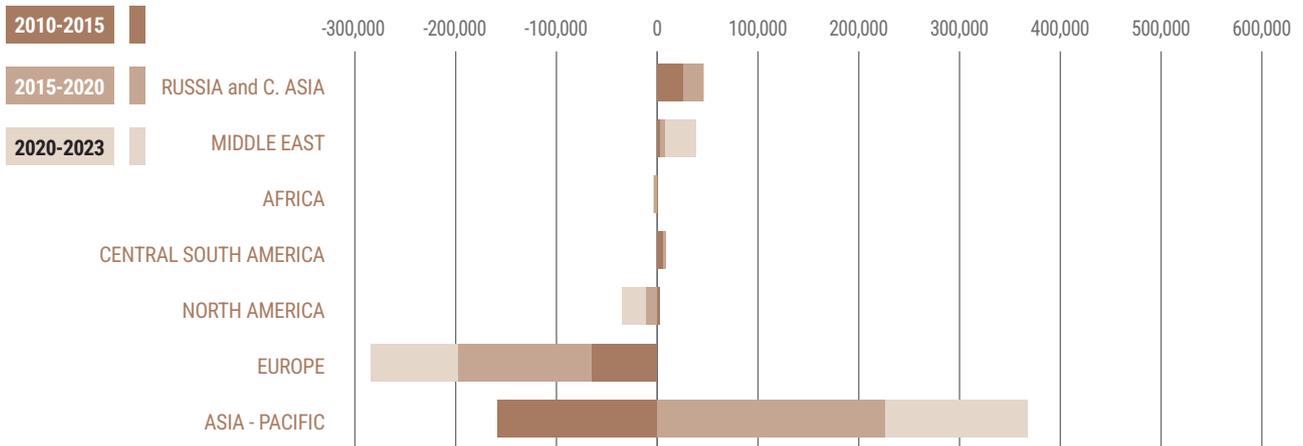
Nuclear Power Generation (2023)

2,740,481 GWh



Nuclear Power Generation Growth (2010-2023)

15,807 GWh



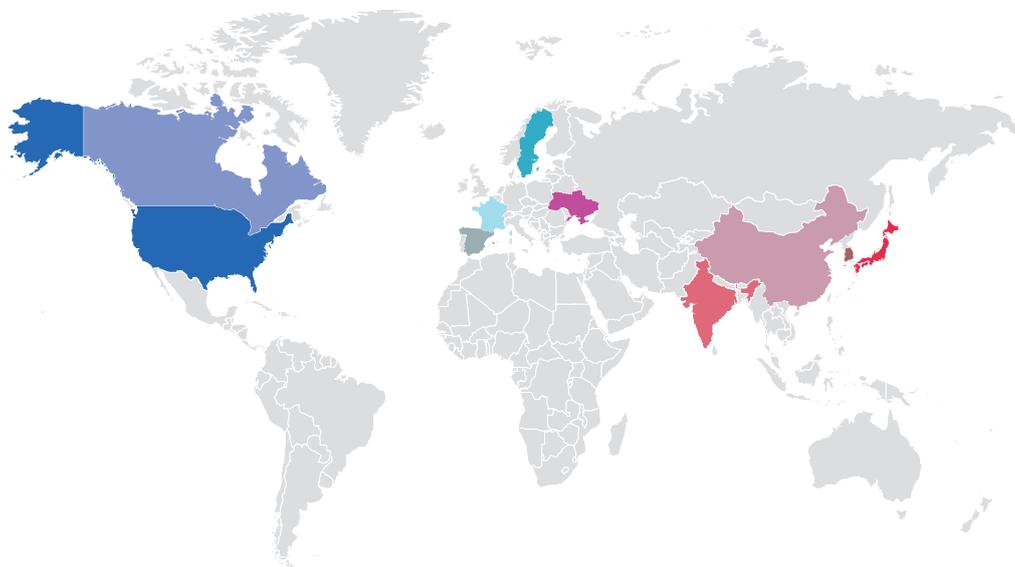
Nuclear Generation

The World's Top 10^(*)

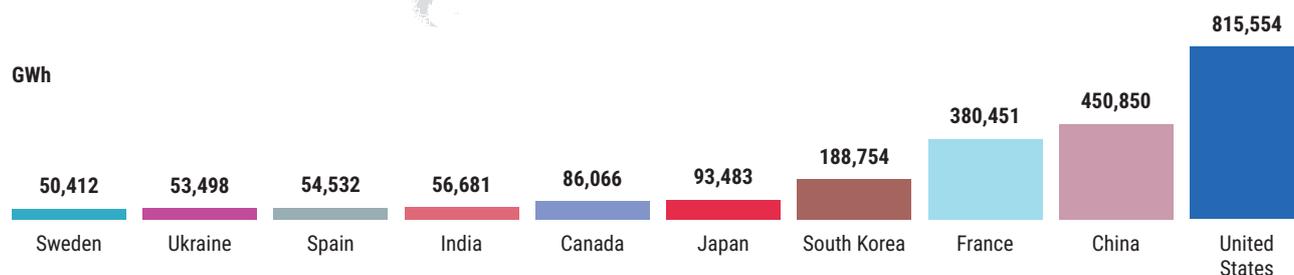
(GWh)

	2010	2015	2019	2020	2021	2022	2023	2024	Δ y/y (2024-2023)**	CAGR (2024-2010)**
United States	838,931	830,288	843,330	823,150	811,551	803,669	808,076	815,554	0.9%	-0.2%
China	73,880	170,789	348,355	366,255	407,523	417,775	434,720	450,850	3.7%	13.8%
France	428,521	437,428	399,012	353,833	379,361	294,731	338,202	380,451	12.5%	-0.8%
South Korea	148,596	164,762	145,910	160,184	158,015	176,054	180,494	188,754	4.6%	1.7%
Japan	288,230	9,437	63,779	38,752	70,805	56,070	84,055	93,483	11.2%	-7.7%
Canada	90,658	101,809	101,197	98,195	92,629	87,239	89,047	86,066	-3.3%	-0.4%
India	26,266	37,414	46,472	43,029	47,112	45,861	47,937	56,681	18.2%	5.6%
Spain	61,990	57,196	58,349	58,299	56,564	58,590	56,873	54,532	-4.1%	-0.9%
Ukraine	89,152	87,627	83,003	76,203	86,206	62,069	51,990	53,498	2.9%	-3.6%
Sweden	57,828	56,348	66,130	49,198	52,965	51,944	48,470	50,412	4.0%	-1.0%
The World's Top 10	2,104,052	1,953,098	2,155,536	2,067,097	2,162,732	2,054,002	2,139,864	2,230,281	4.2%	0.4%
Rest of the World	652,236	616,973	634,575	609,230	651,059	628,845	600,617		-4.5%	-0.6%
World	2,756,288	2,570,071	2,790,111	2,676,326	2,813,791	2,682,846	2,740,481		2.1%	0.0%

The World's Top 10 (2024)



GWh



(*) Data source: Eni's estimates on IEA (2025), *Extended Balances data*. All rights reserved.

(**) When 2024 data is missing, the figure refers to the latest available years.





Critical Minerals

Critical minerals play a fundamental role in the development of key technologies related to the energy transition. Elements such as cobalt, lithium, nickel, manganese, and graphite are essential for battery production, while rare earths are crucial for wind energy, and silicon is essential for solar technology.

However, the extraction of these resources is highly concentrated in a limited number of Countries. This concentration poses a significant risk to supply security and undermines traditional market competition. In recent years, many critical raw materials have experienced sharp price increases, driven by a rising demand associated with the energy transition.

In terms of **reserves**, cobalt has the highest concentration – with over 50% located in the Democratic Republic of Congo – and about 40% of rare earths are found in China.

Production is also geographically concentrated. For example, 78% of graphite is produced in China, while 76% of cobalt comes from the Democratic Republic of Congo. Additionally, 69% of rare earths are extracted in China, and over 60% of nickel is produced in Indonesia. Overall, in 2024, the production of critical minerals increased by an average of 5.5% compared to the previous year, with cobalt showing the most significant growth (+21%). This increase was partly offset by a decline in manganese and nickel production.

Critical Minerals

COBALT

RESERVES

Countries
The World's Top 10
World Cobalt Reserves

PRODUCTION

Countries
The World's Top 10
World Cobalt Production

LITHIUM

RESERVES

Countries
The World's Top 10
World Lithium Reserves

PRODUCTION

Countries
The World's Top 9
World Lithium Production

COPPER

RESERVES

Countries
The World's Top 10
World Copper Reserves

PRODUCTION

Countries
The World's Top 10
World Copper Production

MANGANESE

RESERVES

Countries
The World's Top 7
World Manganese Reserves

PRODUCTION

Countries
The World's Top 9
World Manganese Production

RARE EARTHS

RESERVES

Countries
The World's Top 10
World Rare Earths Reserves

PRODUCTION

Countries
The World's Top 10
World Rare Earths Production

GRAPHITE

RESERVES

Countries
The World's Top 10
World Graphite Reserves

PRODUCTION

Countries
The World's Top 10
World Graphite Production

NICKEL

RESERVES

Countries
The World's Top 9
World Nickel Reserves

PRODUCTION

Countries
The World's Top 9
World Nickel Production

SILICON

PRODUCTION

Countries
The World's Top 10
World Silicon Production

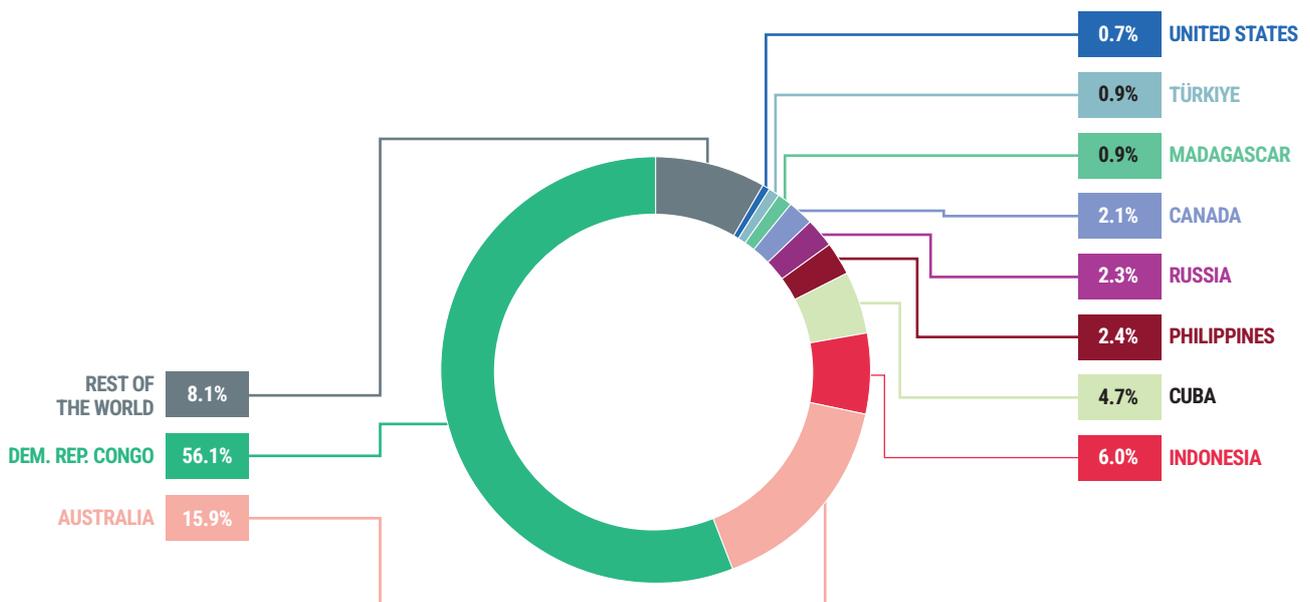
Cobalt - Reserves

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	1,400,000	1,100,000	1,200,000	1,400,000	1,400,000	1,500,000	1,700,000	1,700,000
Brazil	89,000	78,000						
Canada	150,000	240,000	230,000	220,000	220,000	220,000	230,000	220,000
China	80,000	80,000	80,000	80,000	80,000	140,000		
Cuba	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
Dem. Rep. Congo	3,400,000	3,400,000	3,600,000	3,600,000	3,500,000	4,000,000	6,000,000	6,000,000
Indonesia					600,000	600,000	500,000	640,000
Madagascar		130,000	120,000	100,000	100,000	100,000	100,000	100,000
Morocco	20,000		18,000	14,000	13,000	13,000		
New Caledonia	370,000	200,000						
Papua New Guinea			56,000	51,000	47,000	47,000	49,000	62,000
Philippines		250,000	260,000	260,000	260,000	260,000	260,000	260,000
Russia	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
South Africa		31,000	50,000	40,000				
Türkiye						36,000	91,000	91,000
United States	33,000	23,000	55,000	53,000	69,000	69,000	69,000	70,000
Zambia	270,000	270,000						
Others	740,000	610,000	570,000	560,000	610,000	610,000	780,000	800,000
World	7,302,000	7,162,000	6,989,000	7,128,000	7,649,000	8,345,000	10,529,000	10,693,000

The World's Top 10 (2024)

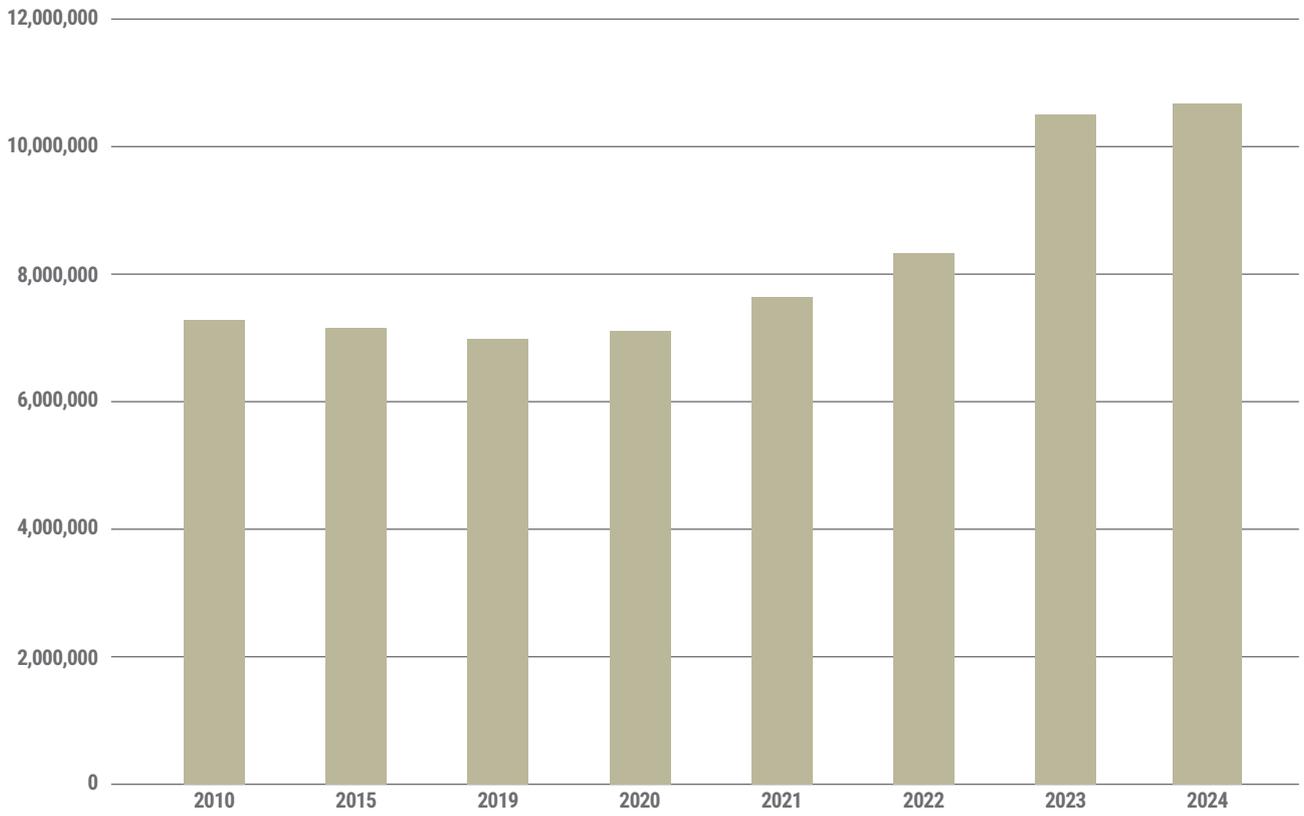


^(*) Data source: U.S. Geological Survey.

Cobalt - Reserves

World Cobalt Reserves

(metric tons)



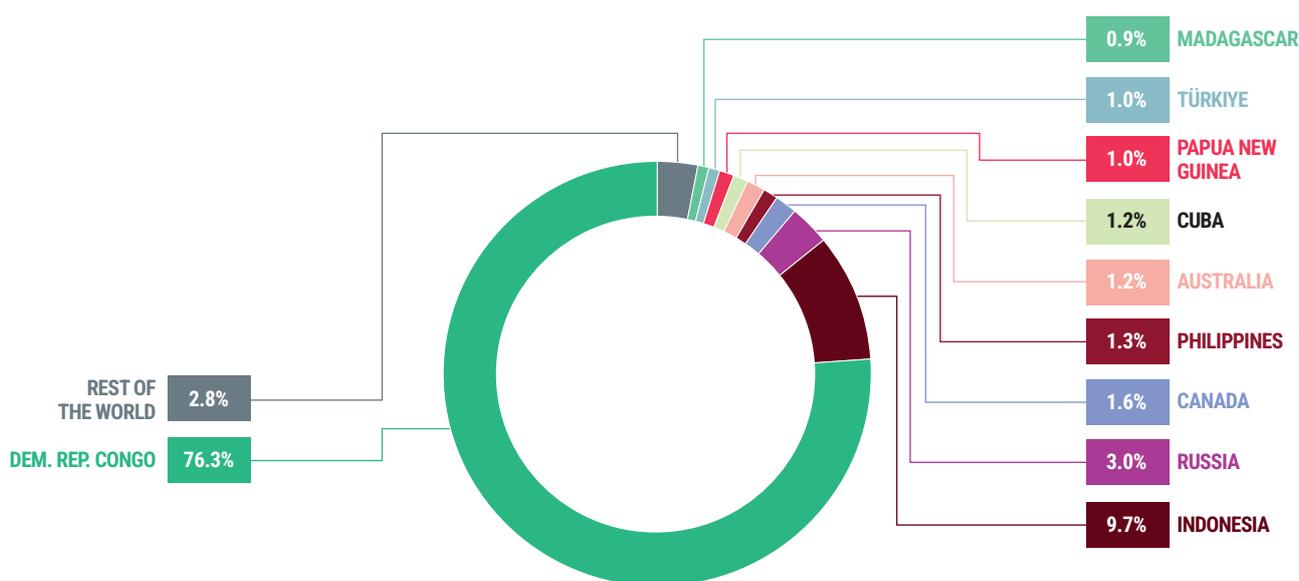
Cobalt - Production

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	3,850	6,000	5,740	5,630	5,295	5,790	5,220	3,600
Brazil	1,600							
Canada	4,600	6,900	3,340	3,690	4,361	3,060	4,220	4,500
China	6,500	7,700	2,500	2,200	2,200	2,200		
Dem. Rep. Congo	47,400	63,000	100,000	98,000	119,000	144,000	175,000	220,000
Cuba	3,600	4,300	3,800	3,800	4,000	3,700	3,300	3,500
Indonesia				1,100	2,700	9,600	19,000	28,000
Madagascar		3,700	3,400	850	2,800	3,500	4,000	2,600
Morocco	2,200		2,300	2,300	2,300	2,000		
New Caledonia	1,000	3,680				2,000	2,570	1,500
Papua New Guinea			2,910	2,940	2,953	2,990	3,070	2,800
Philippines		4,300	5,100	4,500	3,600	3,900	3,800	3,800
Russia	6,200	6,200	6,300	9,000	8,000	9,200	8,700	8,700
South Africa		3,000	2,100					
Türkiye					2,400	2,100	2,500	2,700
United States		760	500	600	650	500	500	300
Zambia	5,700	4,600						
Others	6,800	11,600	6,320	7,640	4,567	6,600	6,080	6,200
World	89,450	125,740	144,310	142,250	164,826	201,140	237,960	288,200

The World's Top 10 (2024)

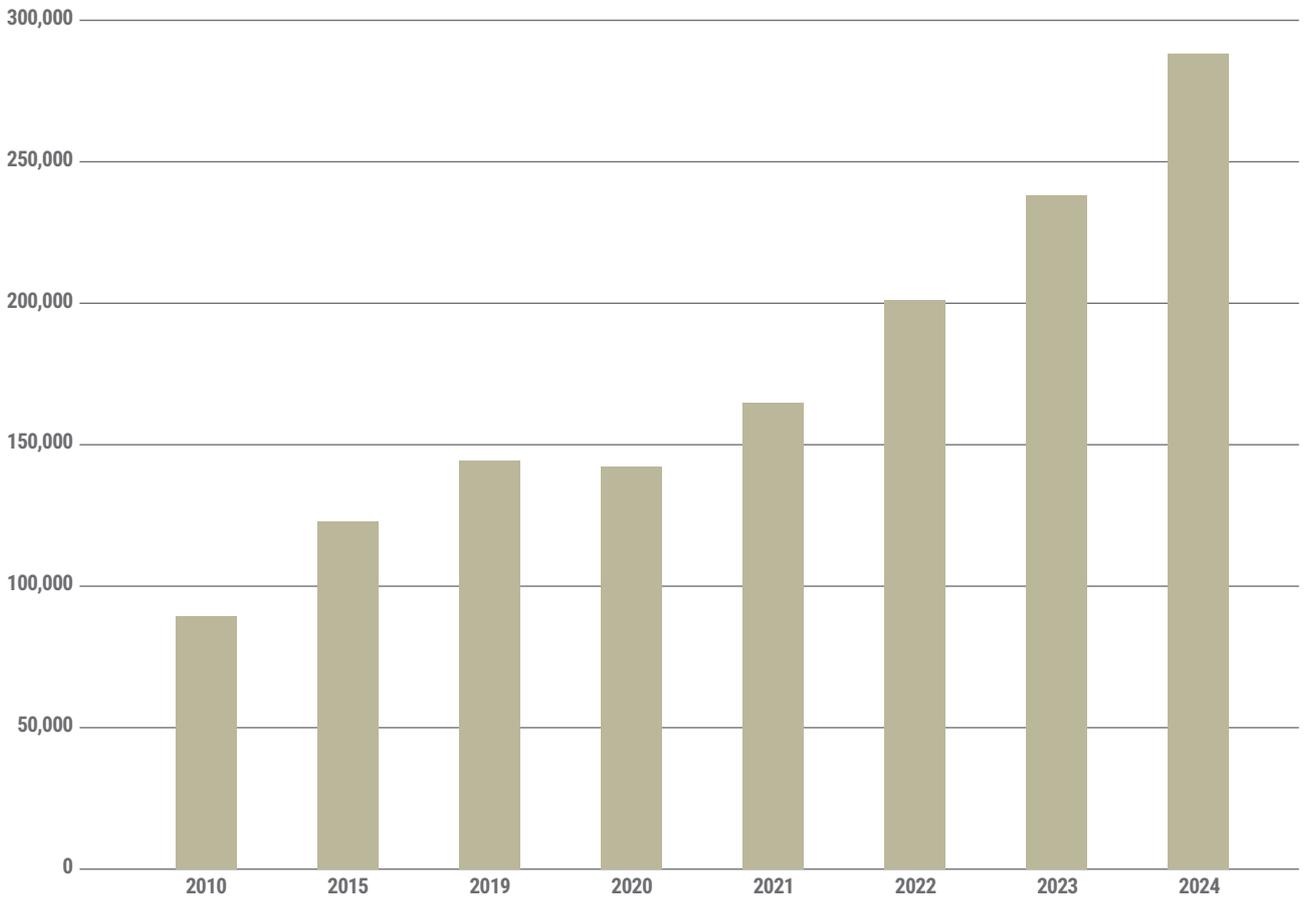


^(*) Data source: U.S. Geological Survey.

Cobalt - Production

World Cobalt Production

(metric tons)



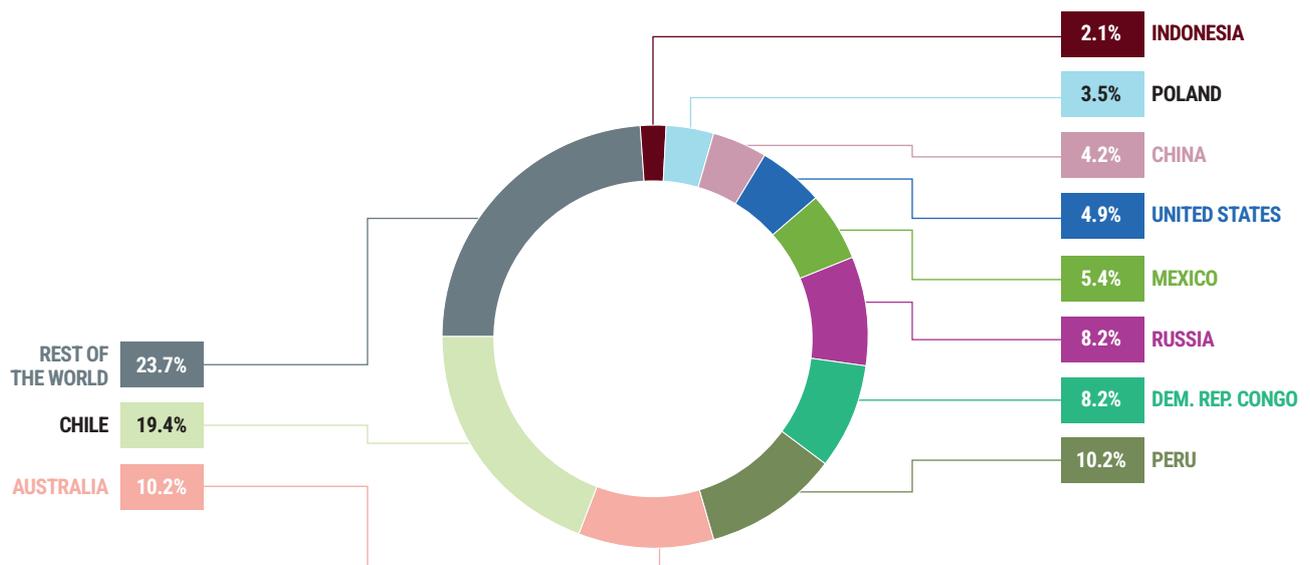
Copper - Reserves

Countries^(*)

(thousand metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	80,000	88,000	87,000	88,000	93,000	97,000	100,000	100,000
Canada	8,000	11,000		9,000	9,800	7,600	7,600	8,300
Chile	150,000	210,000	200,000	200,000	200,000	190,000	190,000	190,000
China	30,000	30,000	26,000	26,000	26,000	27,000	41,000	41,000
Dem. Rep. Congo		20,000	19,000	19,000	31,000	31,000	80,000	80,000
Germany				2,000				
India								2,200
Indonesia	30,000		28,000		24,000	24,000	24,000	21,000
Kazakhstan	18,000		20,000	20,000	20,000	20,000	20,000	20,000
Mexico	38,000	46,000	53,000	53,000	53,000	53,000	53,000	53,000
Peru	90,000	82,000	87,000	92,000	77,000	81,000	120,000	100,000
Poland	26,000			32,000	31,000	30,000	34,000	34,000
Russia	30,000	30,000	61,000	61,000	62,000	62,000	80,000	80,000
United States	35,000	33,000	51,000	48,000	48,000	44,000	50,000	47,000
Zambia	20,000	20,000	19,000	21,000	21,000	19,000	21,000	21,000
Others	80,000	150,000	220,000	200,000	180,000	200,000	180,000	180,000
World	635,000	720,000	871,000	871,000	875,800	885,600	1,000,600	977,500

The World's Top 10 (2023)

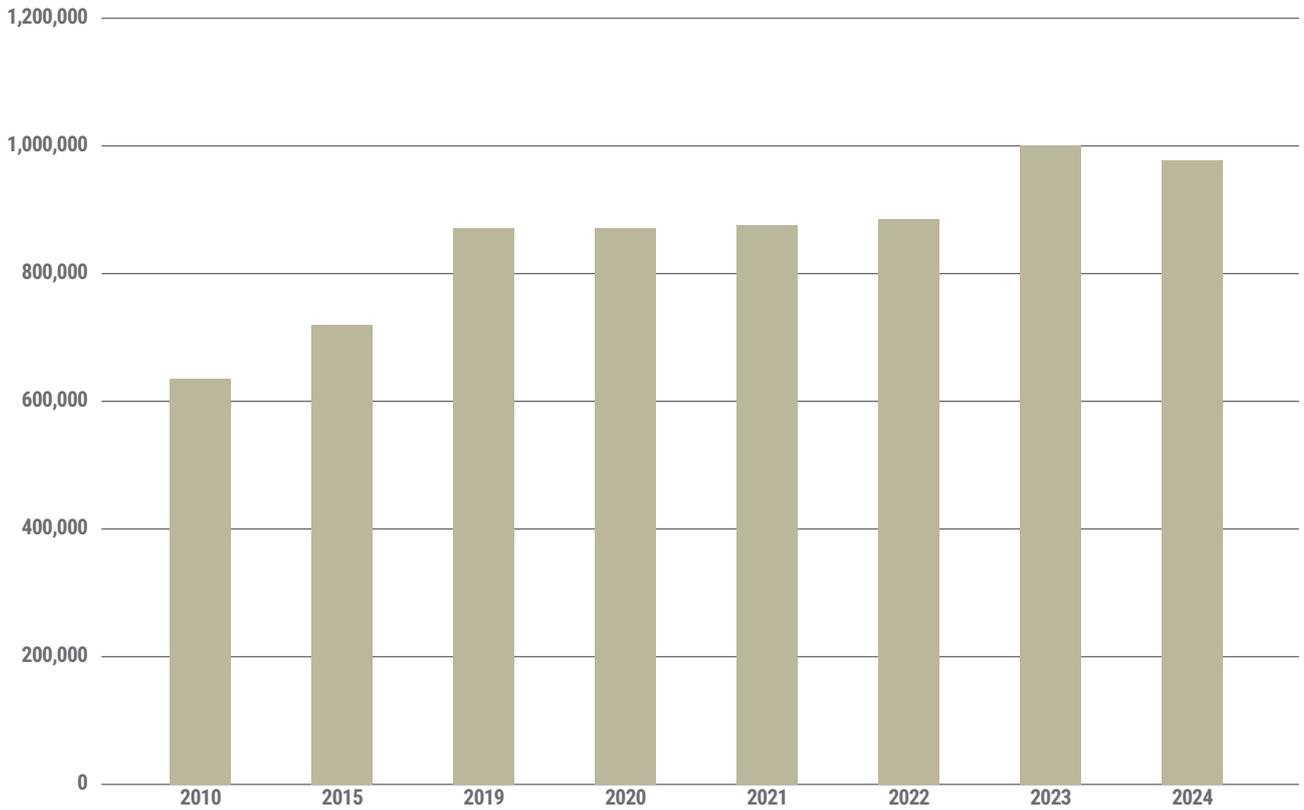


^(*) Data source: U.S. Geological Survey.

Copper - Reserves

World Copper Reserves

(thousand metric tons)



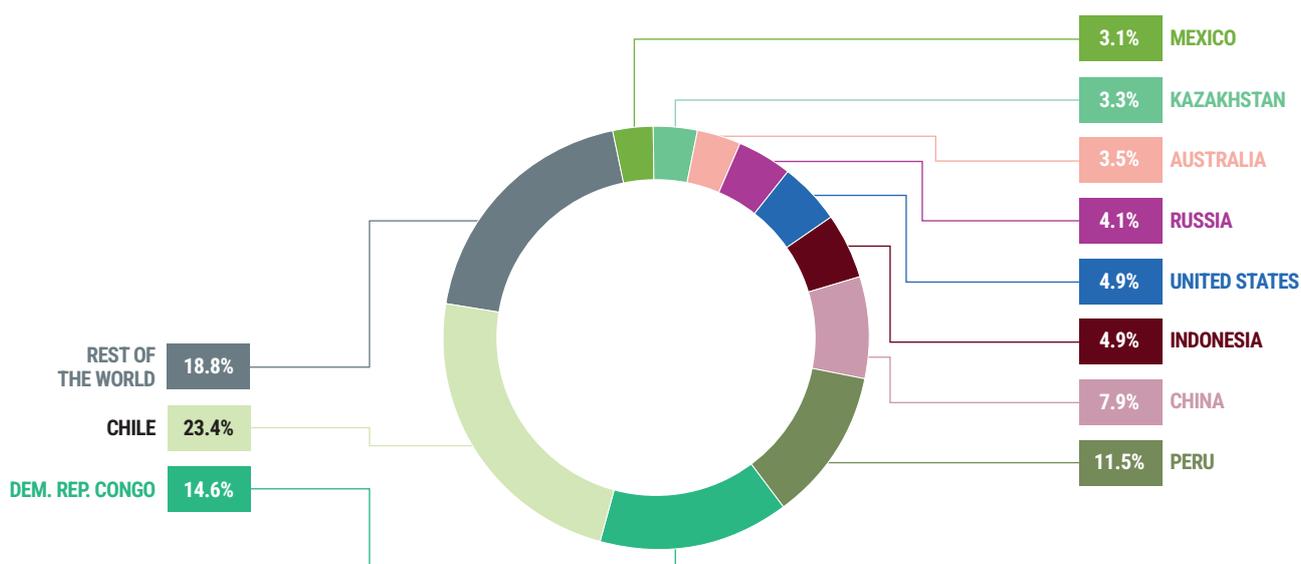
Copper - Production

Countries^(*)

(thousand metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	870	971	934	885	813	819	778	800
Canada	525	697	573	585	550	520	500	450
Chile	5,420	5,760	5,790	5,730	5,620	5,330	5,250	5,300
China	1,190	1,710	1,680	1,720	1,910	1,940	1,820	1,800
Dem. Rep. Congo	343	1,020	1,290	1,600	1,740	2,350	2,930	3,300
India							27	30
Indonesia	872			505	731	941	907	1,100
Kazakhstan	380		562	552	510	593	740	740
Mexico	260	594	715	733	734	754	699	700
Peru	1,250	1,700	2,460	2,150	2,300	2,450	2,760	2,600
Poland	425		399	393	391	393	395	410
Russia	703	732	801	810	940	936	890	930
United States	1,110	1,380	1,260	1,200	1,230	1,230	1,130	1,100
Zambia	690	712	797	853	842	797	712	680
Others	1,900	3,800	3,100	2,840	2,850	2,850	3,020	2,700
World	15,938	19,076	20,361	20,556	21,161	21,903	22,558	22,640

The World's Top 10 (2024)

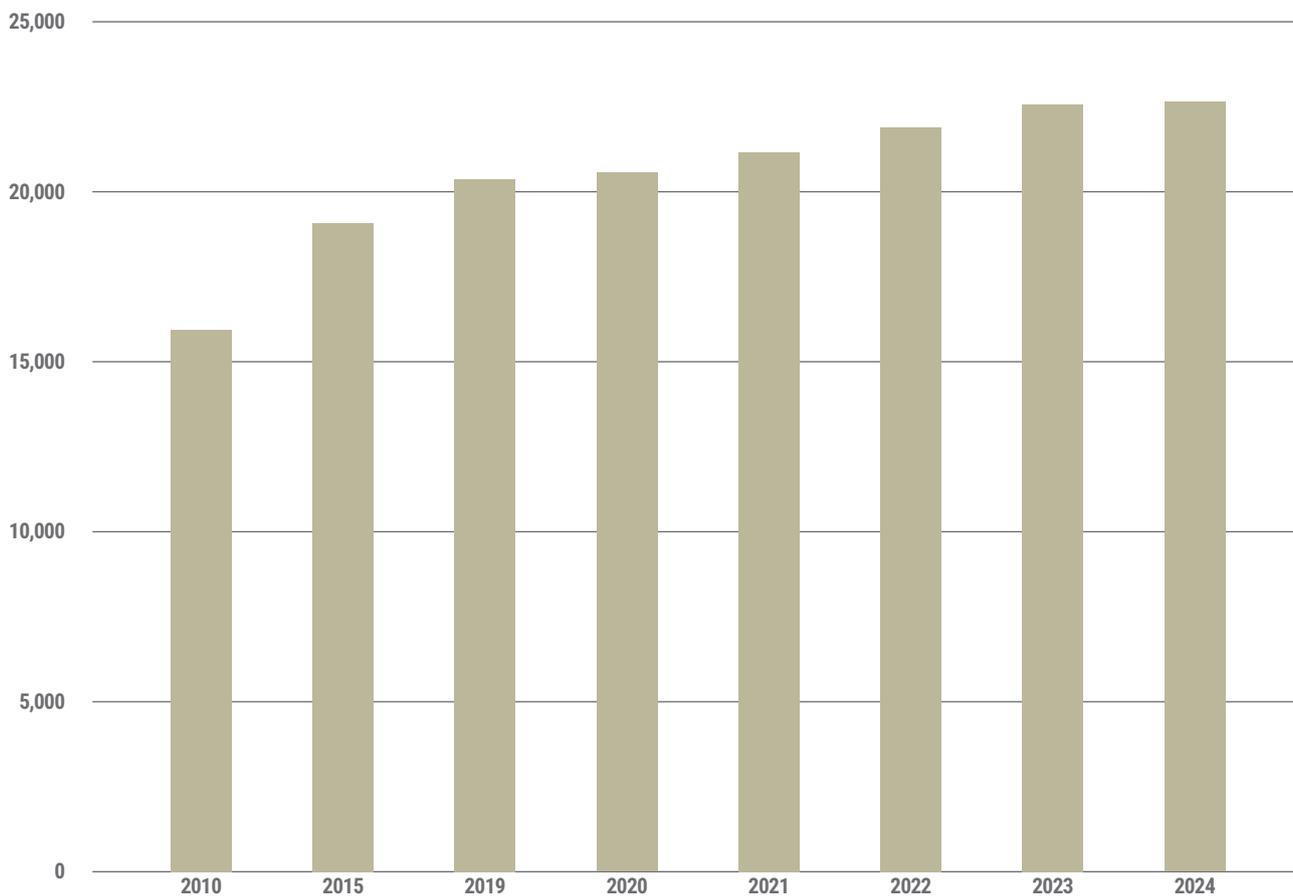


^(*) Data source: U.S. Geological Survey.

Copper - Production

World Copper Production

(thousand metric tons)



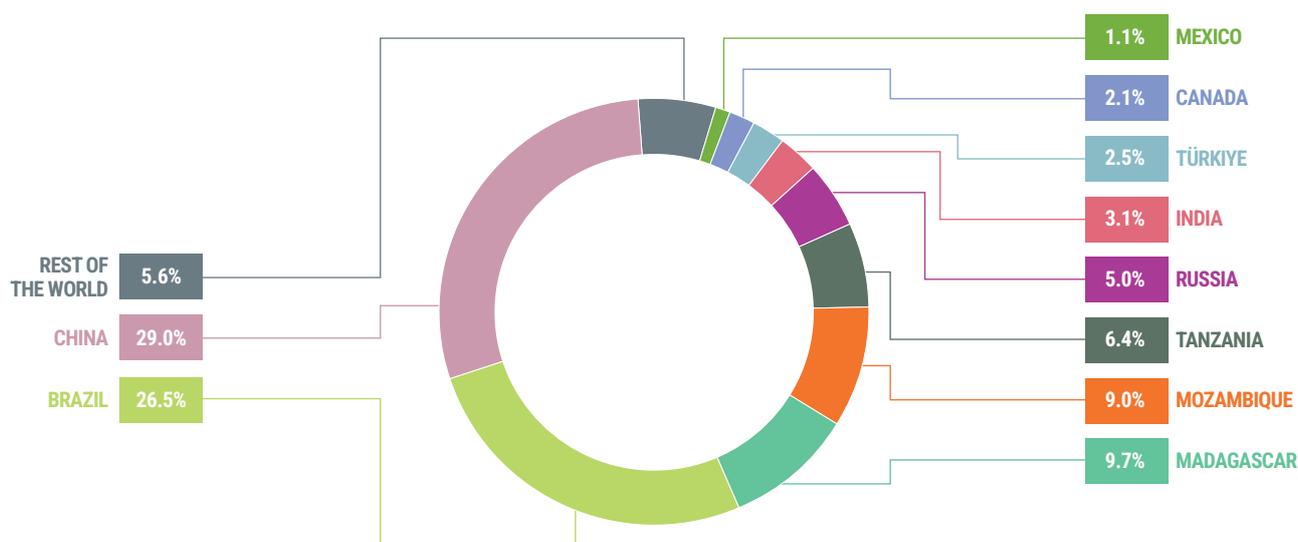
Graphite - Reserves

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Brazil	360,000	72,000,000	72,000,000	70,000,000	70,000,000	74,000,000	74,000,000	74,000,000
Canada							5,700,000	5,900,000
China	55,000,000	55,000,000	73,000,000	73,000,000	73,000,000	52,000,000	78,000,000	81,000,000
India	5,200,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	8,600,000	8,600,000
North Korea			2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000
South Korea						1,800,000	1,800,000	1,800,000
Madagascar	940,000	940,000	1,600,000	26,000,000	26,000,000	26,000,000	24,000,000	27,000,000
Mexico	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000
Mozambique			25,000,000	25,000,000	25,000,000	25,000,000	25,000,000	25,000,000
Norway			600,000	600,000	600,000	600,000	600,000	600,000
Russia						14,000,000	14,000,000	14,000,000
Sri Lanka				1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
Tanzania			18,000,000	17,000,000	18,000,000	18,000,000	18,000,000	18,000,000
Türkiye		90,000,000	90,000,000	90,000,000	90,000,000	90,000,000	6,900,000	6,900,000
Uzbekistan			7,600,000	7,600,000	7,600,000	7,600,000		
Other	6,400,000							9,700,000
World	71,000,000	229,040,000	300,900,000	323,800,000	324,800,000	323,600,000	263,200,000	279,100,000

The World's Top 10 (2024)

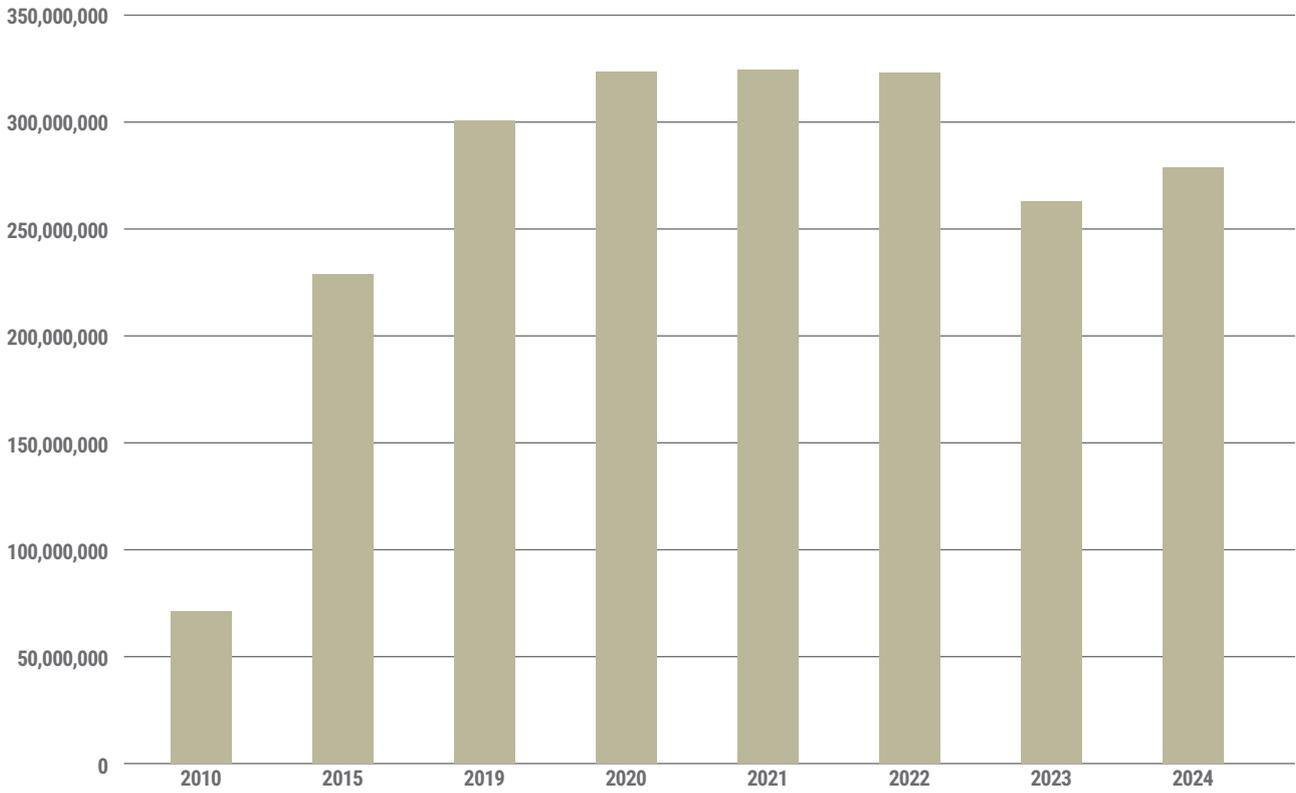


^(*) Data source: U.S. Geological Survey.

Graphite - Reserves

World Graphite Reserves

(metric tons)



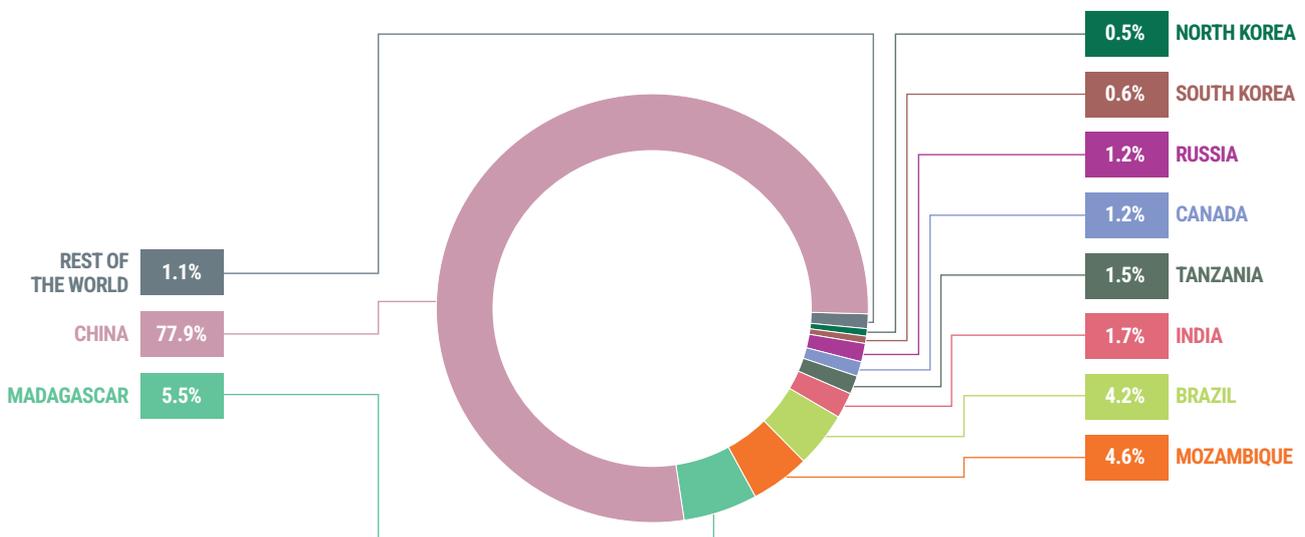
Graphite - Production

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Austria			1,000	500	500	500	500	500
Brazil	76,000	80,000	96,000	63,500	82,000	72,000	66,300	68,000
Canada	25,000	30,000	11,000	8,000	12,000	13,000	5,470	20,000
China	600,000	780,000	700,000	762,000	820,000	1,210,000	1,210,000	1,270,000
Germany			800	300	250	170	180	170
India	140,000	170,000	35,000	6,000	7,000	11,000	25,600	27,800
North Korea	30,000	30,000	6,000	8,100	8,100	8,100	8,100	8,100
South Korea					10,500	23,800	9,620	9,600
Madagascar	5,000	5,000	48,000	20,900	70,000	130,000	63,000	89,000
Mexico	7,000	22,000	9,000	3,300	2,100	2,000	1,300	900
Mozambique			107,000	28,000	72,000	166,000	98,000	75,000
Norway	2,000	8,000	16,000	12,000	6,290	10,380	6,480	7,000
Pakistan			14,000					
Romania	20,000							
Russia		15,000	25,100	25,000	15,000	16,000	15,000	20,000
Sri Lanka	8,000	4,000	4,000	4,000	3,000	2,600	3,000	3,300
Tanzania			150			6,120	13,200	25,000
Türkiye		32,000	2,000	2,500	2,700	2,800	2,800	3,100
Ukraine	6,000	5,000	20,000	16,000	10,000	1,000	1,670	1,200
Uzbekistan			100	100	110			
Vietnam			5,000	5,000	5,000	500	2,500	2,000
Zimbabwe		7,000						
Other	6,000							
World	925,000	1,188,000	1,100,150	965,200	1,126,550	1,675,970	1,532,720	1,630,670

The World's Top 10 (2024)

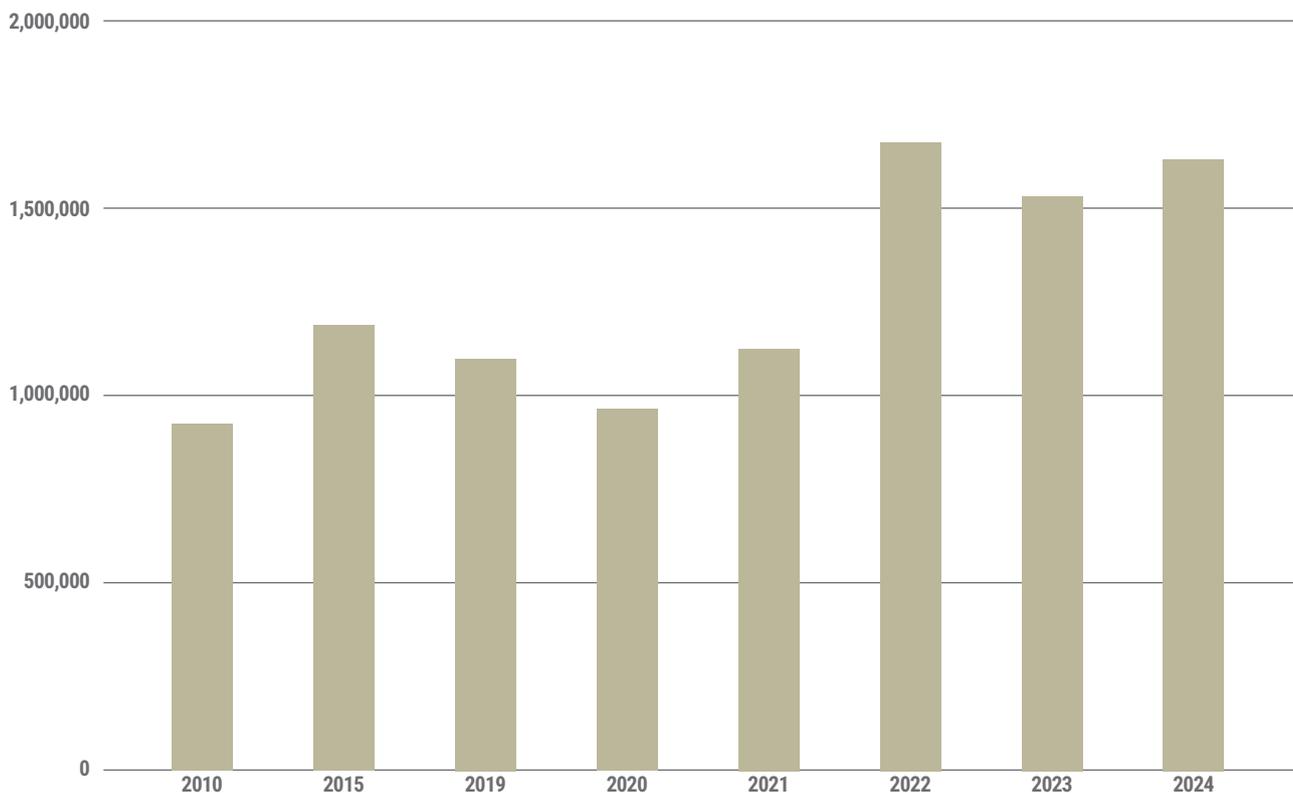


^(*) Data source: U.S. Geological Survey.

Graphite - Production

World Graphite Production

(metric tons)



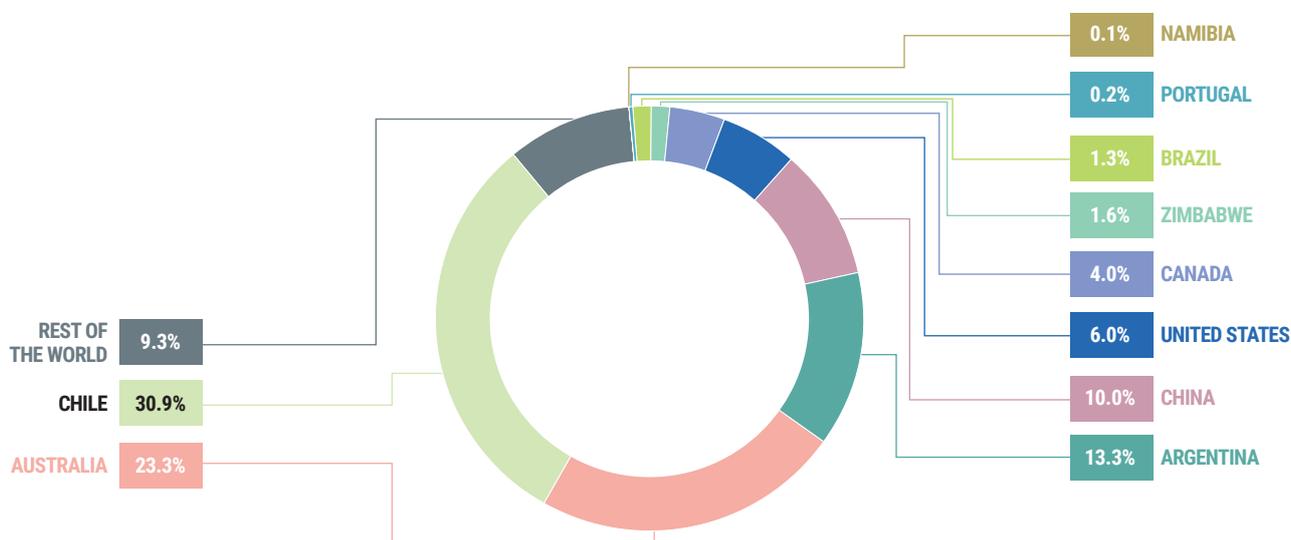
Lithium - Reserves

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Argentina	850,000	2,000,000	1,700,000	1,900,000	2,200,000	2,700,000	3,600,000	4,000,000
Australia	580,000	1,500,000	2,800,000	4,700,000	5,700,000	6,200,000	6,200,000	7,000,000
Brazil	64,000	48,000	95,000	95,000	95,000	250,000	390,000	390,000
Canada			370,000	530,000		930,000	930,000	1,200,000
Chile	7,500,000	7,500,000	8,600,000	9,200,000	9,200,000	9,300,000	9,300,000	9,300,000
China	3,500,000	3,200,000	1,000,000	1,500,000	1,500,000	2,000,000	3,000,000	3,000,000
Namibia								14,000
Portugal	10,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000
United States	38,000	38,000	630,000	750,000	750,000	1,000,000	1,100,000	1,800,000
Zimbabwe	23,000	23,000	230,000	220,000	220,000	310,000	310,000	480,000
Others			1,100,000	2,100,000	2,700,000	3,300,000	2,800,000	2,800,000
World	12,565,000	14,369,000	16,585,000	21,055,000	22,425,000	26,050,000	27,690,000	30,044,000

The World's Top 10 (2024)

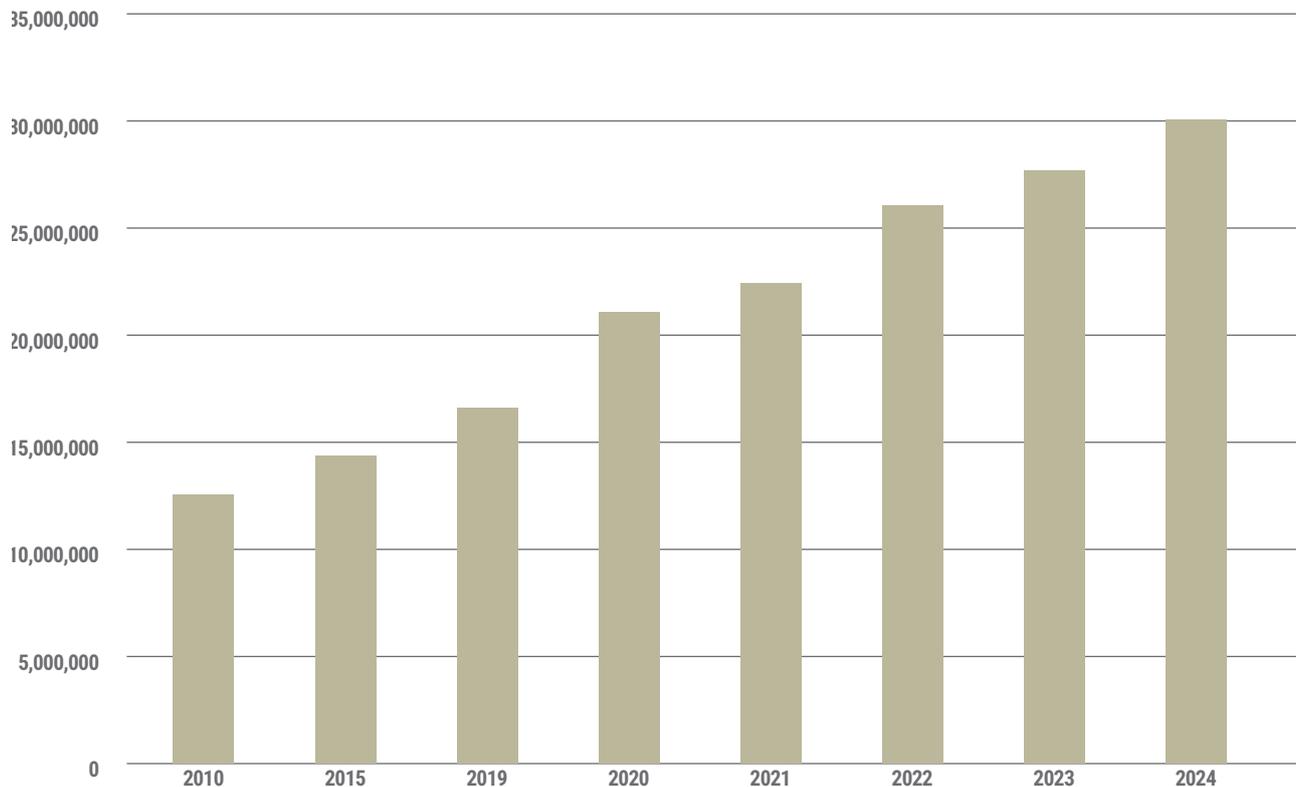


^(*) Data source: U.S. Geological Survey.

Lithium - Reserves

World Lithium Reserves

(metric tons)



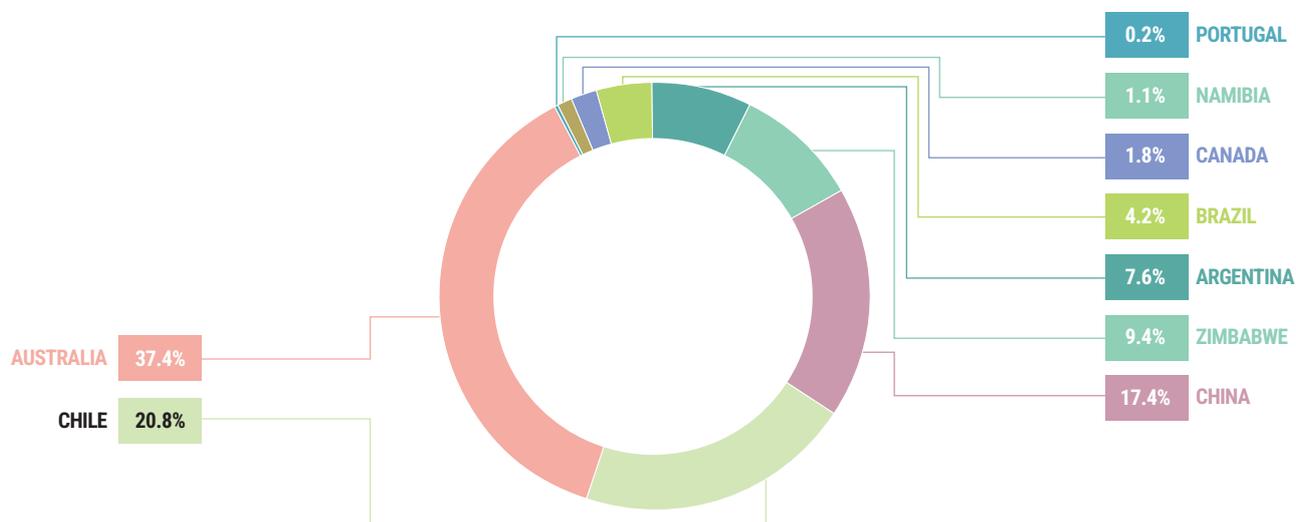
Lithium - Production

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Argentina	2,950	3,600	6,300	5,900	5,970	6,590	8,630	18,000
Australia	9,260	14,100	45,000	39,700	55,300	74,700	91,700	88,000
Brazil	160	200	2,400	1,420	1,700	2,630	5,260	10,000
Canada			200			520	3,240	4,300
Chile	10,510	10,500	19,300	21,500	28,300	38,000	41,400	49,000
China	3,950	2,000	10,800	13,300	14,000	22,600	35,700	41,000
Namibia							2,700	2,700
Portugal	800	200	900	348	900	380	380	380
Zimbabwe	470	900	1,200	417	710	1,030	14,900	22,000
World	28,100	31,500	86,100	82,585	106,880	146,450	203,910	235,380

The World's Top 9 (2024)

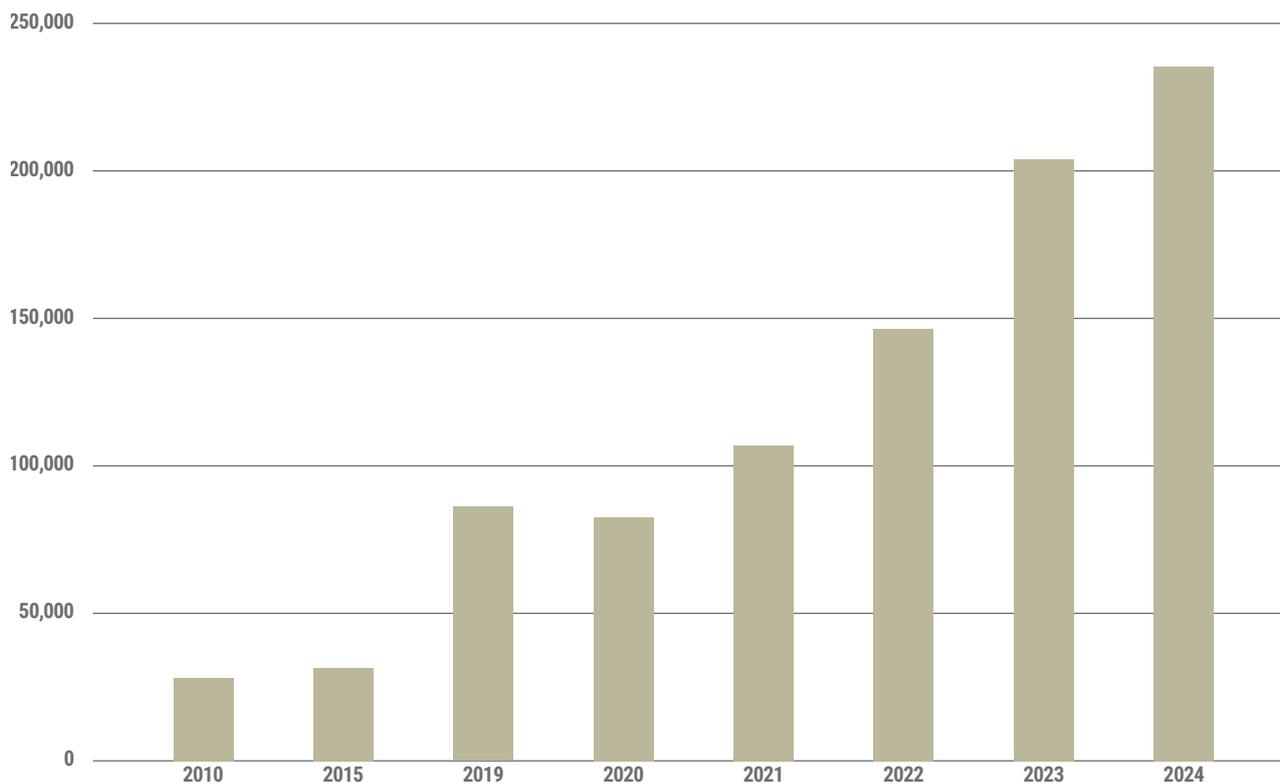


^(*) Data source: U.S. Geological Survey.

Lithium - Production

World Lithium Production

(metric tons)



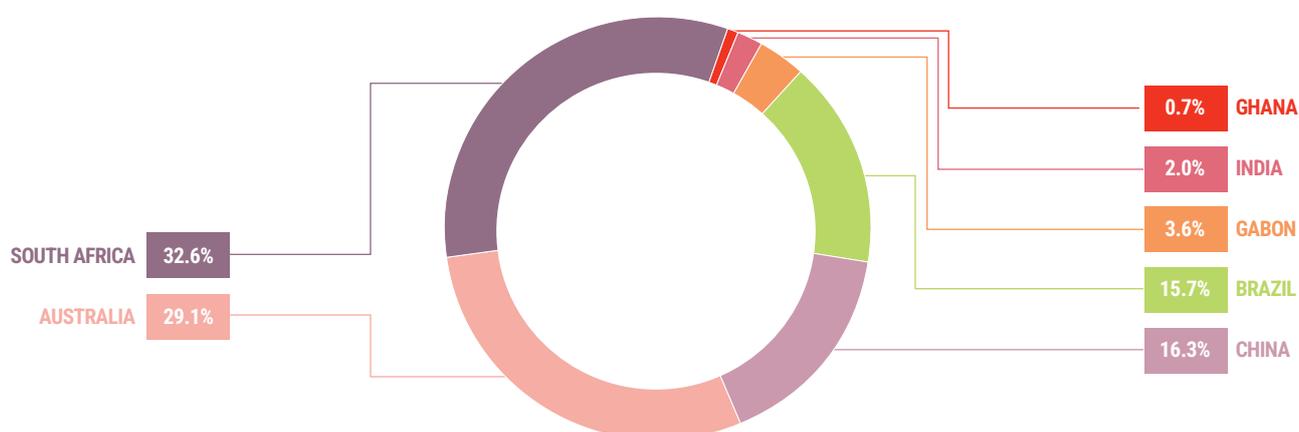
Manganese - Reserves

Countries^(*)

(thousand metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	93,000	91,000	100,000	230,000	270,000	270,000	500,000	500,000
Brazil	110,000	50,000	140,000	270,000	270,000	270,000	270,000	270,000
China	44,000	44,000	54,000	54,000	54,000	280,000	280,000	280,000
Gabon	52,000	22,000	61,000	61,000	61,000	61,000	61,000	61,000
Ghana		13,000	13,000	13,000	13,000	13,000	13,000	13,000
India	56,000	52,000	34,000	34,000	34,000	34,000	34,000	34,000
Kazakhstan		5,000	5,000	5,000	5,000	5,000	5,000	5,000
Mexico	4,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
South Africa	120,000	200,000	260,000	520,000	640,000	640,000	600,000	560,000
Ukraine	140,000	140,000	140,000	140,000	140,000	140,000	140,000	
World	619,000	622,000	812,000	1,332,000	1,492,000	1,718,000	1,908,000	1,718,000

The World's Top 7 (2024)

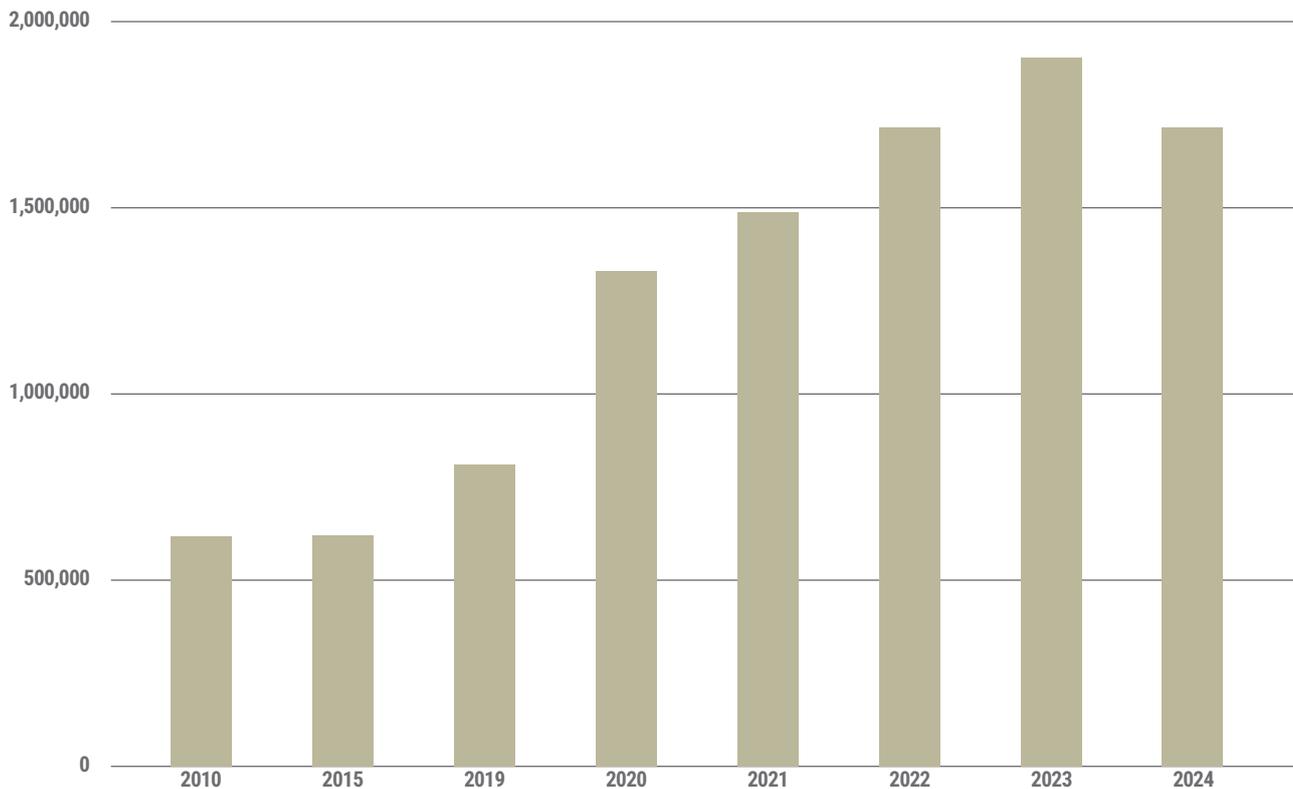


^(*) Data source: U.S. Geological Survey.

Manganese - Reserves

World Manganese Reserves

(thousand metric tons)



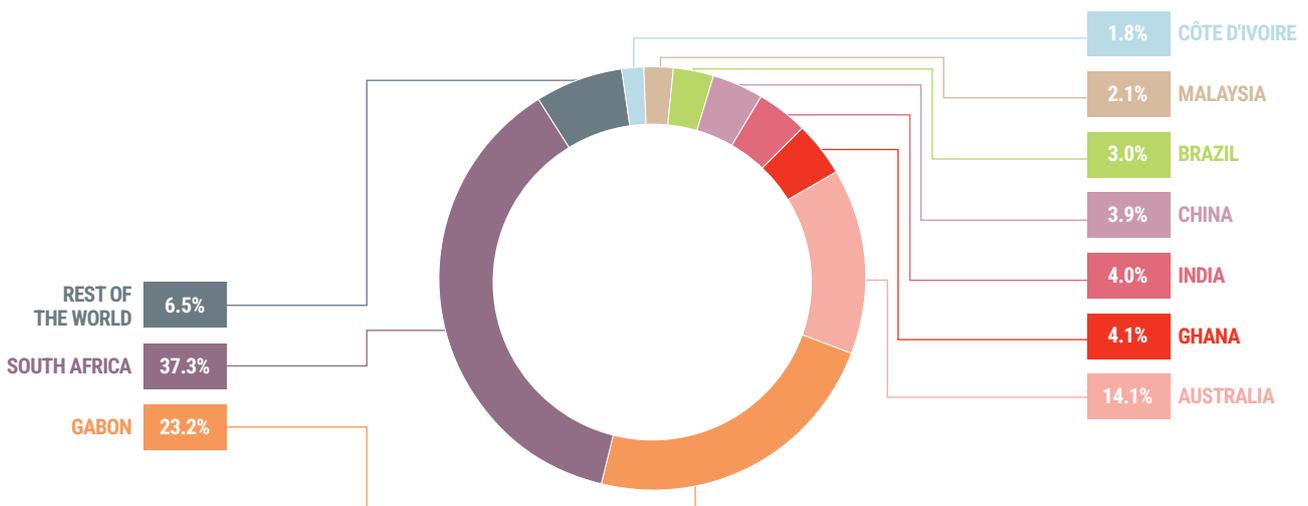
Manganese - Production

Countries^(*)

(thousand metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	3,100	2,450	3,180	3,330	3,260	3,040	2,860	2,800
Brazil	780	1,090	1,740	494	542	624	580	590
Burma			430	254	206	207	210	
China	2,600	3,000	1,330	1,340	991	743	767	770
Côte d'Ivoire			482	525	362	394	357	360
Gabon	1,420	2,020	2,510	3,310	4,340	4,670	4,490	4,600
Georgia			116	186	224	166	160	
Ghana		416	1,550	637	940	844	818	820
India	1,000	900	801	632	453	721	744	800
Kazakhstan		222	140	158	90	129	130	
Malaysia		201	390	347	356	247	410	410
Mexico	175	220	202	198	226	221	220	
South Africa	2,900	5,900	5,800	6,500	7,200	7,300	7,300	7,400
Ukraine	540	410	500	578	600	323	320	
Vientnam			158	121	146	155	160	
Other	1,340	678	270	260	150	325	1,230	1,300
World	13,855	17,507	19,599	18,870	20,086	20,109	20,756	19,850

The World's Top 9 (2024)

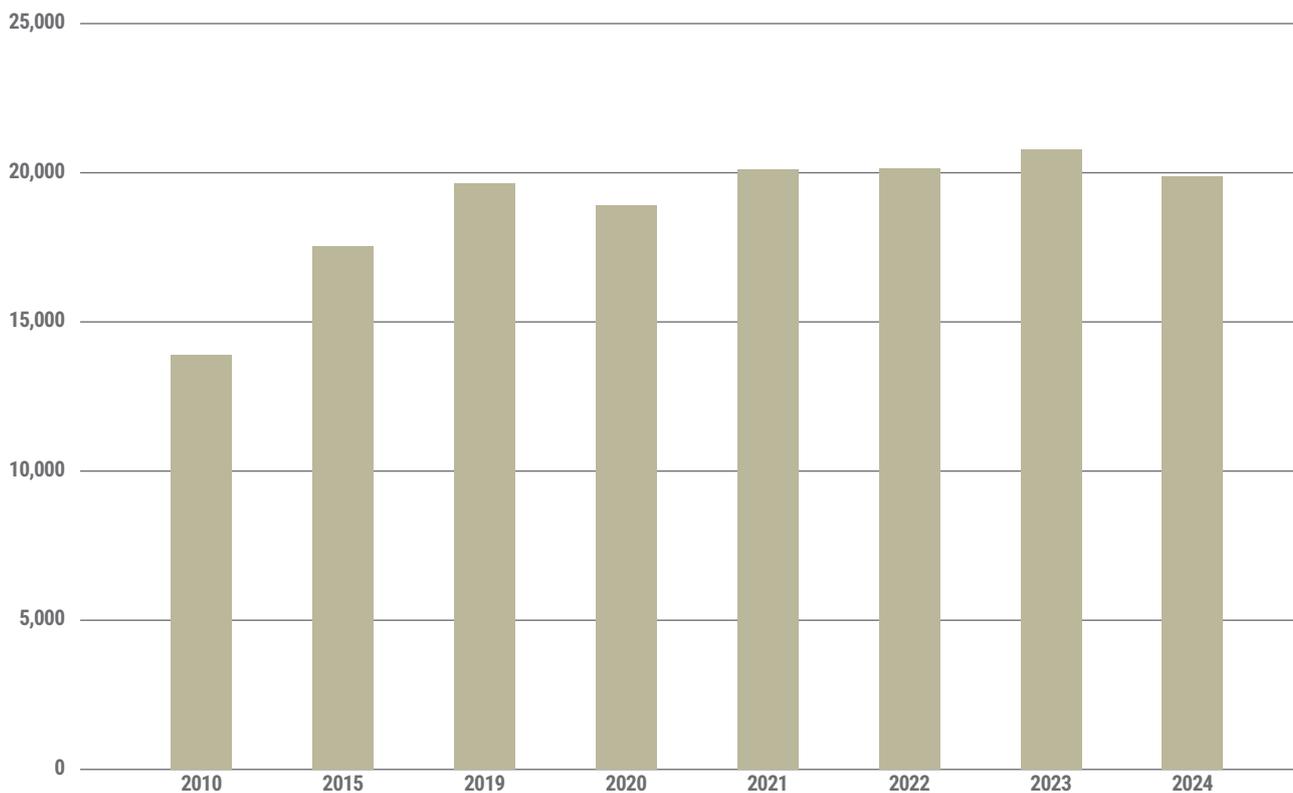


^(*) Data source: U.S. Geological Survey.

Manganese - Production

World Manganese Production

(thousand metric tons)



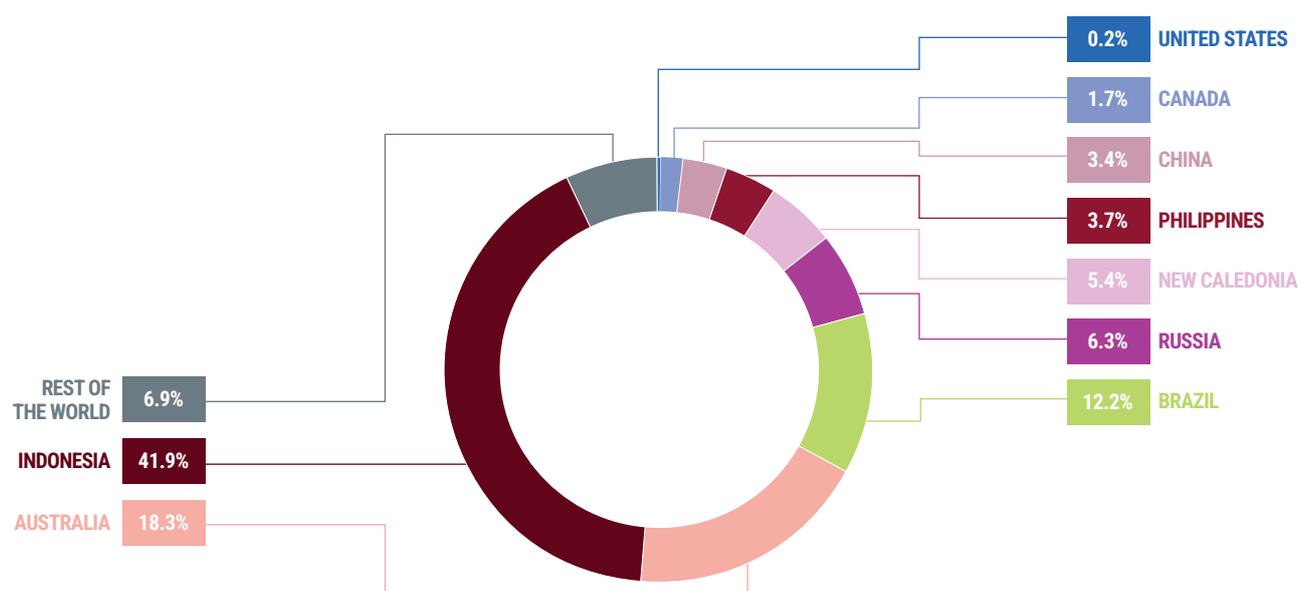
Nickel - Reserves

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	24,000,000	19,000,000	20,000,000	20,000,000	21,000,000	21,000,000	24,000,000	24,000,000
Botswana	490,000							
Brazil	8,700,000	10,000,000	11,000,000	16,000,000	16,000,000	16,000,000	16,000,000	16,000,000
Canada	3,800,000	2,900,000	2,600,000	2,800,000	2,000,000	2,200,000	2,200,000	2,200,000
China	3,000,000	3,000,000	2,800,000	2,800,000	2,800,000	2,100,000	4,200,000	4,400,000
Colombia	1,600,000	1,100,000						
Cuba	5,500,000	5,500,000	5,500,000	5,500,000				
Dominican Republic	960,000							
Guatemala		1,800,000						
Indonesia	3,900,000	4,500,000	21,000,000	21,000,000	21,000,000	21,000,000	55,000,000	55,000,000
Madagascar	1,300,000	1,600,000						
New Caledonia	7,100,000	8,400,000				7,100,000	7,100,000	7,100,000
Philippines		3,100,000	4,800,000	4,800,000	4,800,000	4,800,000	4,800,000	4,800,000
Russia	6,000,000	7,900,000	6,900,000	6,900,000	7,500,000	7,500,000	8,300,000	8,300,000
South Africa	3,700,000	3,700,000						
United States		160,000	110,000	100,000	340,000	370,000	340,000	310,000
Venezuela	490,000							
Others	4,500,000	6,500,000	14,000,000	14,000,000	20,000,000	20,000,000	9,100,000	9,100,000
World	75,040,000	79,160,000	88,710,000	93,900,000	95,440,000	102,070,000	131,040,000	131,210,000

The World's Top 9 (2024)

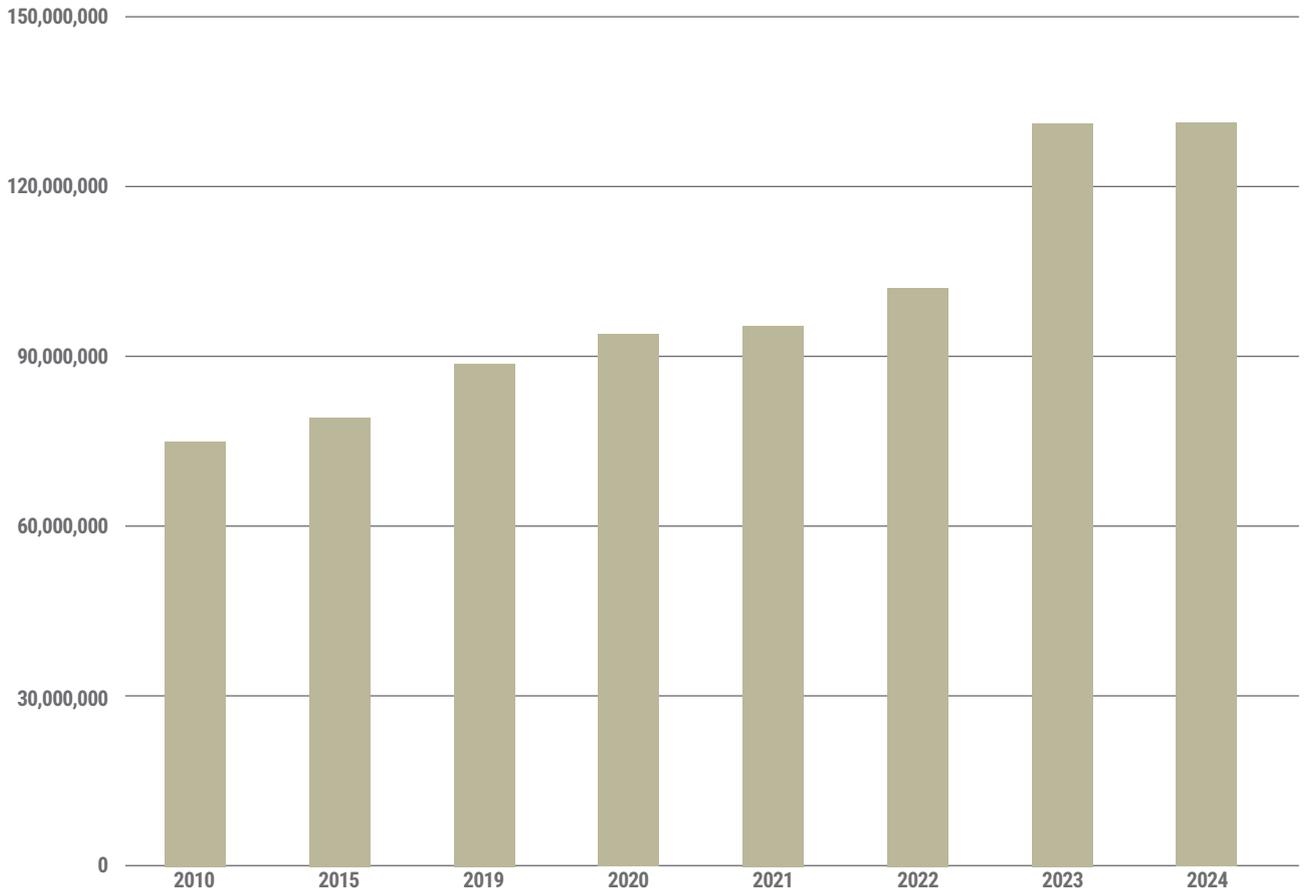


^(*) Data source: U.S. Geological Survey.

Nickel - Reserves

World Nickel Reserves

(metric tons)



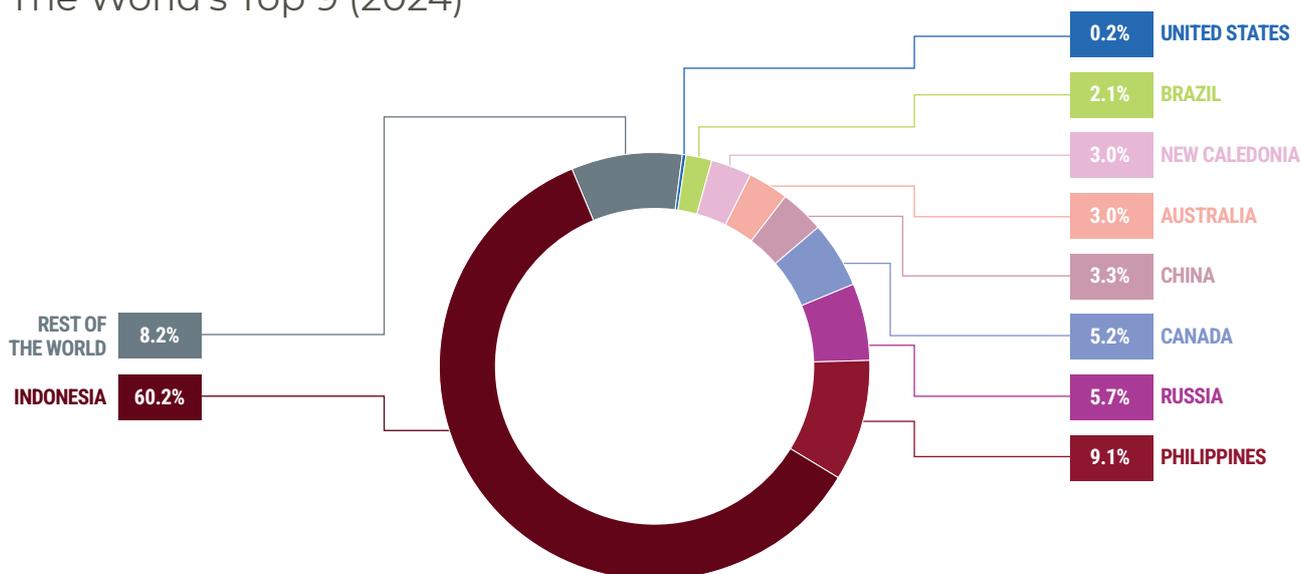
Nickel - Production

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	170,000	222,000	159,000	169,000	151,000	155,000	149,000	110,000
Botswana	28,000							
Brazil	59,100	160,000	60,600	77,100	76,000	88,500	82,700	77,000
Canada	158,000	235,000	181,000	167,000	134,000	143,000	159,000	190,000
China	79,000	92,900	120,000	120,000	109,000	114,000	117,000	120,000
Colombia	72,000	40,400						
Cuba	70,000	56,400	49,200					
Dominican Republic			56,900					
Guatemala		52,400						
Indonesia	232,000	130,000	853,000	771,000	1,040,000	1,580,000	2,030,000	2,200,000
Madagascar	15,000	45,000						
New Caledonia	130,000	186,000	208,000	200,000	186,000	200,000	231,000	110,000
Philippines	173,000	554,000	323,000	334,000	387,000	345,000	413,000	330,000
Russia	269,000	269,000	279,000	283,000	205,000	222,000	210,000	210,000
South Africa	40,000	56,700						
United States		27,200	13,500	16,700	18,400	17,500	16,400	8,000
Others	99,000	157,000	310,000	373,000	429,000	404,000	340,000	300,000
World	1,594,100	2,284,000	2,613,200	2,510,800	2,735,400	3,269,000	3,748,100	3,655,000

The World's Top 9 (2024)

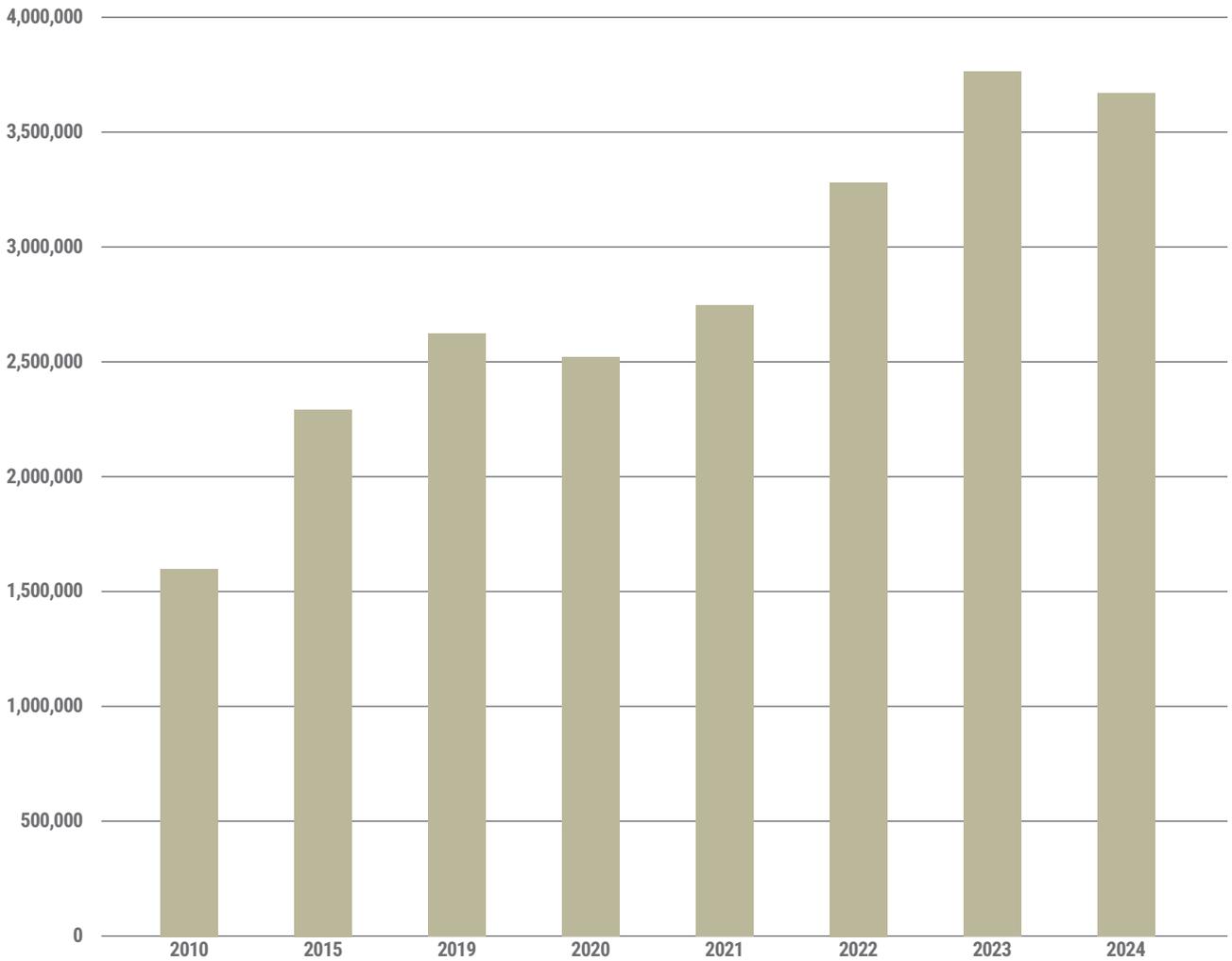


^(*) Data source: U.S. Geological Survey.

Nickel - Production

World Nickel Production

(metric tons)



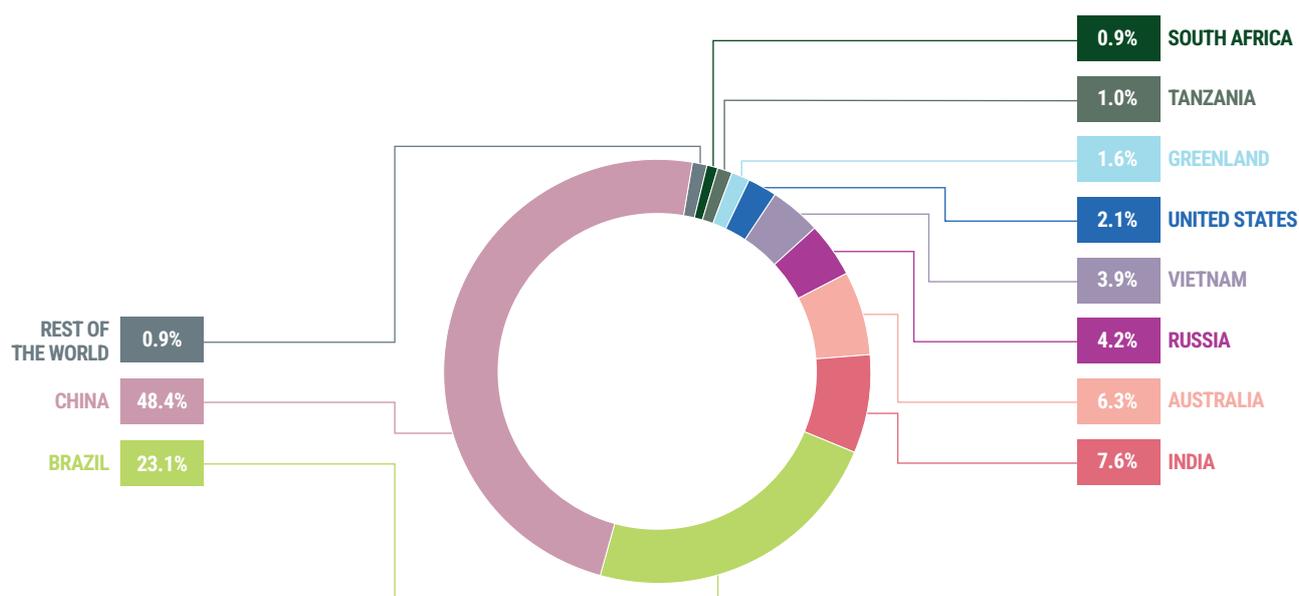
Rare Earths - Reserves

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia	1,600,000	3,200,000	3,300,000	4,100,000	4,000,000	4,200,000	5,700,000	5,700,000
Brazil	48,000	22,000,000	22,000,000	21,000,000	21,000,000	21,000,000	21,000,000	21,000,000
Canada			830,000	830,000	830,000	830,000	830,000	830,000
China	55,000,000	55,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000
Commonwealth of Independent States**	19,000,000							
Greenland			1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000
India	3,100,000	3,100,000	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000	6,900,000
Malaysia	30,000	30,000						
Russia			12,000,000	12,000,000	21,000,000	21,000,000	10,000,000	3,800,000
South Africa			790,000	790,000	790,000	790,000	790,000	860,000
Tanzania					890,000	890,000	890,000	890,000
Thailand							4,500	4,500
United States	13,000,000	1,800,000	1,400,000	1,500,000	1,800,000	2,300,000	1,800,000	1,900,000
Vietnam			22,000,000	22,000,000	22,000,000	22,000,000	22,000,000	3,500,000
Others	22,000,000	41,000,000	310,000	310,000	280,000	280,000		
World	113,778,000	126,130,000	115,030,000	114,930,000	124,990,000	125,690,000	115,414,500	90,884,500

The World's Top 10 (2024)



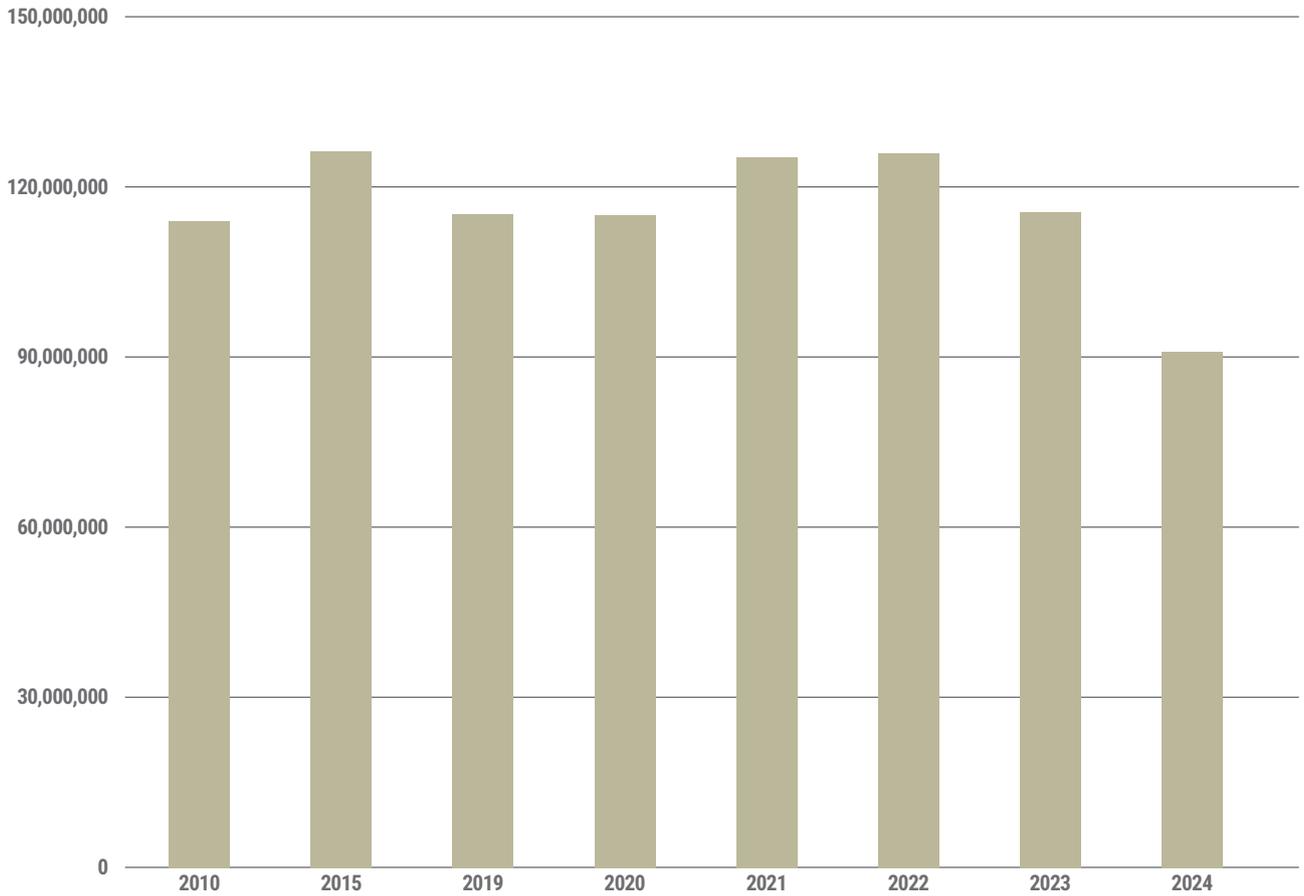
(*) Data source: U.S. Geological Survey.

(**) The aggregate includes the following States according to international definitions: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine and Uzbekistan. However, some of these Countries may not produce rare earths.

Rare Earths - Reserves

World Rare Earths Reserves

(metric tons)



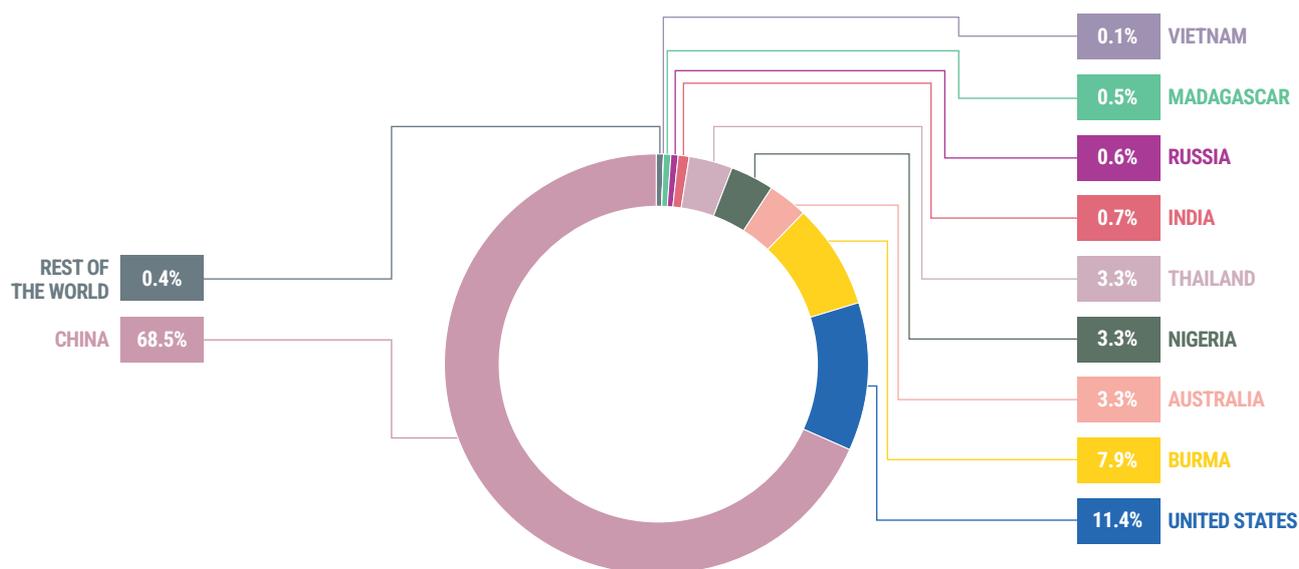
Rare Earths - Production

Countries^(*)

(metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia		12,000	20,000	21,000	24,000	18,000	16,000	13,000
Brazil	550	880	710	600	500	80	140	20
Burma						12,000	43,000	31,000
Burundi			200	300	200			
China	130,000	105,000	132,000	140,000	168,000	210,000	255,000	270,000
India	2,800	1,700	2,900	2,900	2,900	2,900	2,900	2,900
Madagascar			4,000	2,800	6,800	960	2,100	2,000
Malaysia	30	500				80	310	130
Nigeria							7,200	13,000
Russia		2,800	2,700	2,700	2,600	2,600	2,500	2,500
Thailand		760	1,900	3,600	8,200	7,100	3,600	13,000
United States		5,900	28,000	39,000	42,000	42,000	41,600	45,000
Vietnam		250	1,300	700	400	1,200	300	300
Others			66	100	60	80	1,440	1,100
World	133,380	129,790	193,776	213,700	255,660	297,000	376,090	393,950

The World's Top 10 (2024)

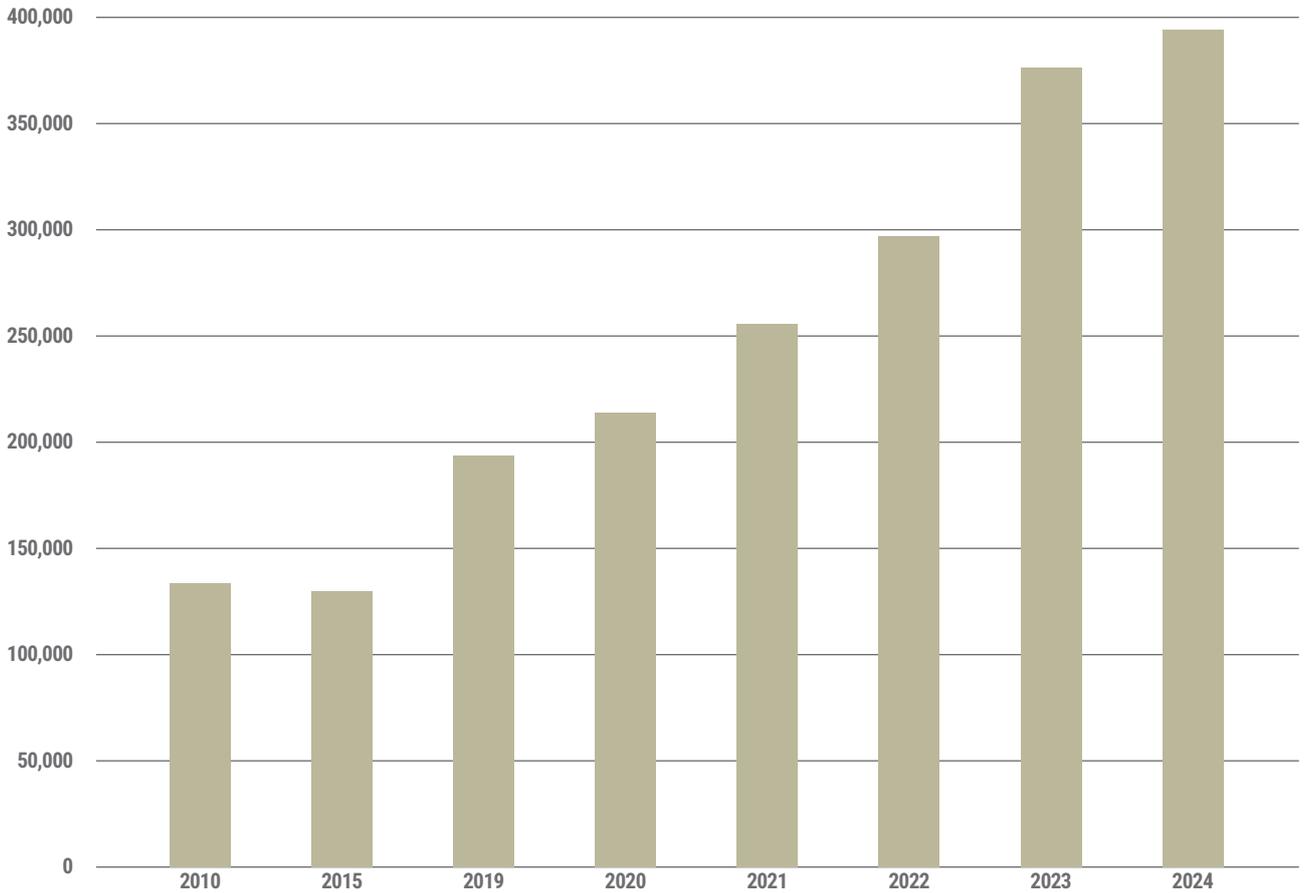


^(*) Data source: U.S. Geological Survey.

Rare Earths - Production

World Rare Earths Production

(metric tons)



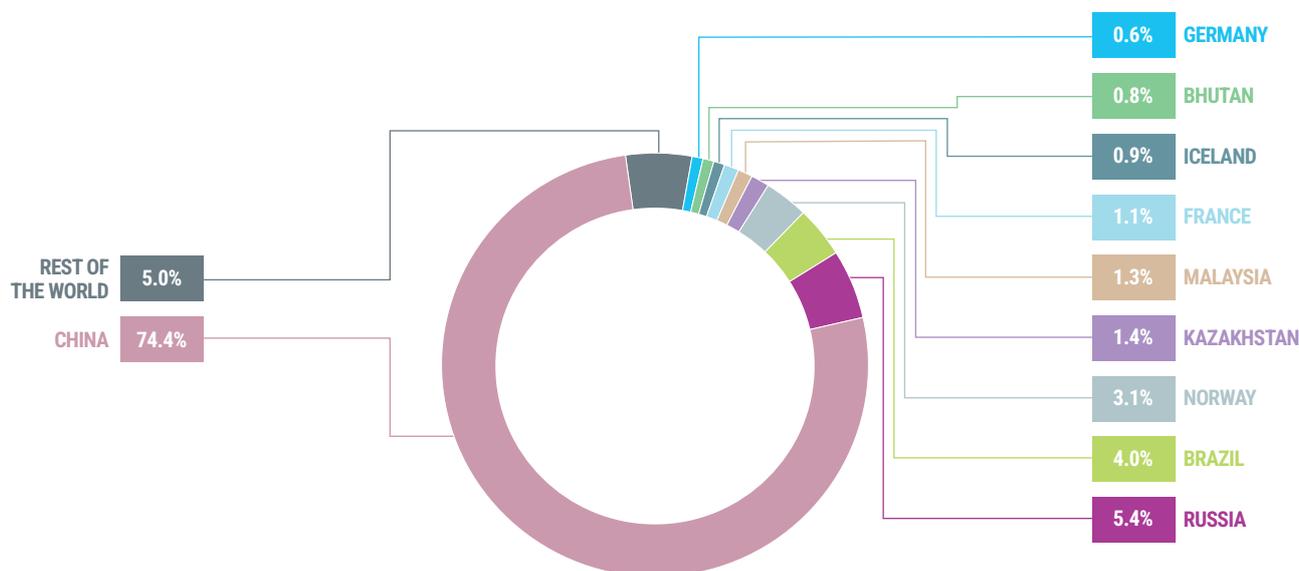
Silicon - Production

Countries^(*)

(thousand metric tons)

	2010	2015	2019	2020	2021	2022	2023	2024
Australia				42	50	48	39	40
Bhutan		78	90	67	85	75	82	80
Brazil	224	117	340	404	389	391	386	390
Canada	52	54	57	47	49	49	52	50
China	4,920	5,000	5,700	5,600	6,400	6,670	7,270	7,400
France	127	121	130	112	127	121	113	110
Germany					63	62	59	60
Iceland	74	75	88	103	111	128	97	90
India	66	60	60	59	59	59	59	60
Kazakhstan				67	122	101	134	137
Malaysia		68	150	109	85	91	91	130
Norway	303	375	375	345	362	339	299	300
Poland				42	49	47	33	30
Russia	643	747	610	576	644	626	527	520
South Africa	137	84	96				50	50
Spain		81	66	55	60	52	49	45
Ukraine	127	59	63	40	49	28	2	
Venezuela	50							
United States	176	411	310	277	313	310		
Others	394	300	278	175	128	223	130	208
World	7,293	7,630	8,413	8,120	9,145	9,420	9,472	9,700

The World's Top 10 (2024)

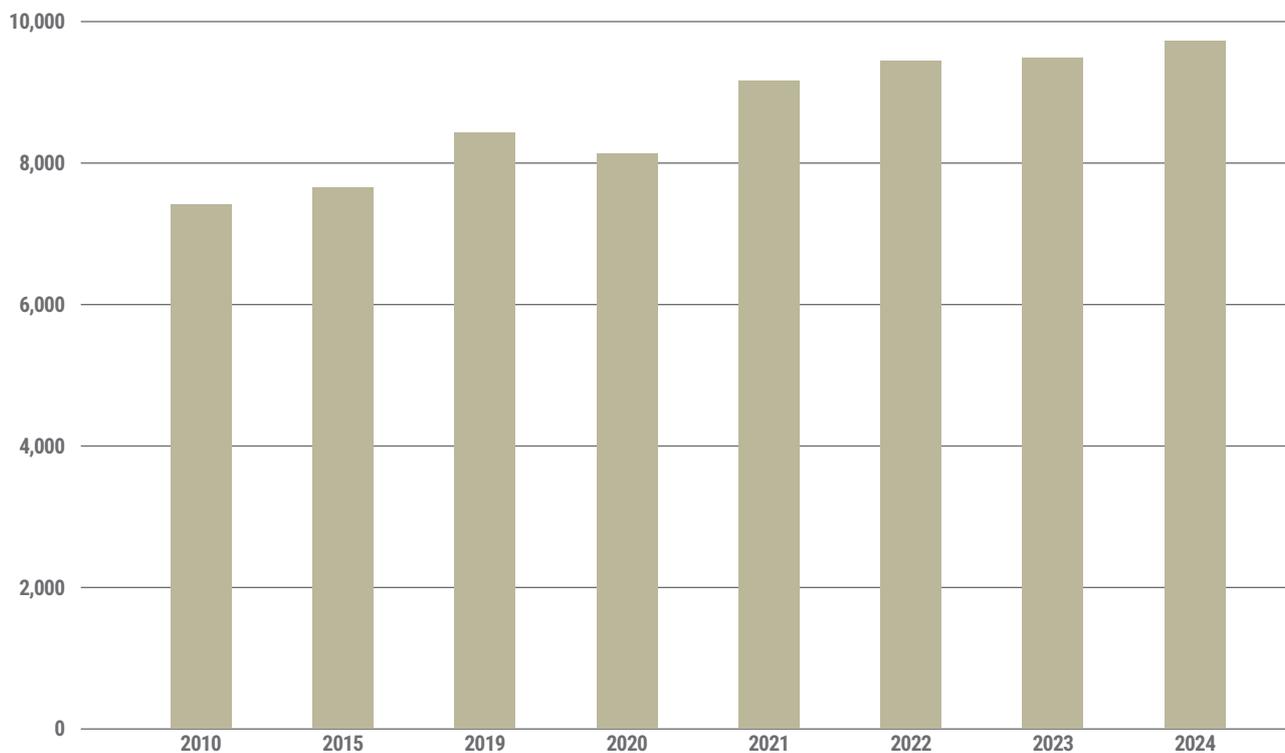


^(*) Data source: U.S. Geological Survey.

Silicon - Production

World Silicon Production

(thousand metric tons)



Eni SpA

Headquarters

Piazzale Enrico Mattei, 1 - Rome - Italy
Capital Stock: € 4,005,358,876.00 fully paid up
Rome Companies
Register Tax Identification Number 00484960588

Branches

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

Web site

eni.com

Produced by

Eni SpA

Layout and supervision

K-Change - Rome



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Eni SpA | Piazzale Enrico Mattei, 1 | 00144 | Roma

Ph +39 0659821 | Fax +39 06 59822141 | eni.com