

Introduction

This chapter is to provide a proper ground for a statistical comparison between Iran and other countries in some aspects. Sources of the presented statistics are the United Nations statistical yearbooks on such fields as population, human development, and OPEC Annual Statistical Yearbook.

The first table of the chapter shows the world's population by major areas and continent for the mid-year 2019-2020 and the period of 2030 to 2100. Table 2 shows the information about the population, population density, population aged under 15 and population aged over 60, and urbanization rate for some selected world countries. Table 3 represents the crude birth and death rate in some selected countries. In Table 4, the information related to the Human Development Index is presented for some selected world countries.

Due to the significant role of oil and gas in the economy of the country in terms of energy production, the information provided in this connection among OPEC member countries claims a larger share than other sections of this chapter. Several points should be taken into consideration while using the statistics presented here:

1. As figures displayed in this chapter have been extracted from the United Nations Statistical Yearbook or other international sources, data for Iran may not always agree with the same figures shown in other chapters.
2. Gabon which has left OPEC since 1995, rejoined OPEC in 2016.
3. Angola and Ecuador have joined the Organization

Of the Petroleum Exporting Countries (OPEC) since 2007. It should be noted that Ecuador has left the OPEC member countries since January 1, 2020. 4. Since 2010, the components used for calculating the Human Development Index (HDI) has changed based on the international recommendation according to the Table 24.4.

5. It should be mentioned that changes in the figures of the indicator are due to revision made in the new HDR)¹

It should be noted that based on the classifications used by the UN, countries are classified into the following different groups in terms of the latest UN HDR publication:

Countries with HDI 0.80 to 1 are considered countries with very high HDI, countries with HDI 0.70 to 0.79 are regarded as countries with high HDI, countries with HDI 0.55 to 0.69 are taken as countries with medium HDI and countries with HDI less than 0.54 account for countries with low HDI.

It is worth mentioning that this classification differs in the UN publications in various years.

6. Regarding the information of tables 5, 6, 7, 12 and 13, it is necessary to mention that since the pattern and content of these tables have changed in the Opec Annual Statistical Bulletin (2021), in the current yearbook, the tables have been developed with the new pattern and content.

Definitions and concepts

Birth and death rates (Crude birth and death rate): This refers to the annual number of births and deaths per 1,000 total population. These rates are

1. Human Development Report

usually presented as “crude rates” since they do not take a population’s age structure into account. Thus, crude death rates in more developed countries with a relatively large portion of the high-mortality of the older population are often higher than those in less developed countries with lower life expectancy.

Human Development Index (HDI)²: is a composite index measuring achievement for every country obtained by combining three basic dimensions of human development, including "long and healthy life", "access to knowledge" as well as "a decent standard of living".

Life expectancy at birth: is the number of years a newborn infant could expect to live if prevailing patterns of age-specific mortality rates at the time of its birth stay the same throughout the infant’s life.

Mean years of schooling: This refers to the average number of years of education received by people ages 25 and older, converted from education attainment levels using official durations of each level.

Expected years of schooling: They are the number of years of schooling that a child of school entrance age can expect to receive if prevailing patterns of age-specific enrolment rates persist throughout the child’s life.

Gross national income (GNI)³ per capita: This is the total income of an economy, based on the production and ownership of the production factors minus the amount paid to use the production factors of other people per US dollar using purchasing power parity (PPP)⁴ rates divided by the average population.

Proven reserves: This refers to an estimated quantity of all hydrocarbons, statistically defined as crude oil or natural gas, which is according to

geological and engineering data recoverable with reasonable certainty from known reservoirs under existing economic and technological conditions.

Crude oil: This is a mixture of hydrocarbons that exists in a liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after coming to the surface. Production volumes reported as crude oil include:

- a) Liquids technically defined as crude oil;
- b) Small amounts of hydrocarbons that exist in the gaseous phase in natural underground reservoirs, but turn liquid at atmospheric pressure after being recovered from oil well;
- c) Small amounts of non-hydrocarbons, produced with oil.

Natural gas: This refers to a mixture of hydrocarbon compounds and small quantities of various non-hydrocarbons existing in the gaseous phase or in solution with oil in natural underground reservoirs.

Gross product: This is the total flow of natural gas from oil and gas reservoirs of the non-dissolved associated and non-associated gas.

Petroleum products: They refer to products obtained from refining crude oil, unsaturated oil products, NGLs, and other hydrocarbon compounds. These include aviation gasoline, motor gasoline, naphtha, kerosene, jet fuel, distillate fuel oil, residual fuel oil, liquefied petroleum gas, lubricants, paraffin wax, petroleum coke, asphalt and other products.

Consumption of refined oil products: This refers to the consumption of products delivered across the nation, including oil products, fuels used by refineries and waste materials, and products from gas complexes, except fuels for vessels.

Marketed natural gas production: It is equal to the volume of natural gas gross production, minus the

2. Human Development Index.

3. Gross National Income.

4. Purchasing Power Parity.

volumes of gas flared, volumes of gas wasted, injected into fields, and shrank. Consequently, it is the process of gas transformation and purification for the extraction of natural gas liquids.

Organisation for Economic Co-operation and Development (OECD): The OECD is an international organisation that works to build better policies for better lives. Its goal is to shape policies that foster prosperity, equality, opportunity and well-being for all. It draws on 60 years of experience and insights to better prepare the world of tomorrow. Together with governments, policy makers and citizens, it works on establishing evidence-based international standards and finding solutions to a range of social, economic and environmental challenges. From improving economic performance and creating jobs to fostering strong education and fighting international tax evasion, it provides a unique forum and knowledge hub for data and analysis, exchange of experiences, best-practice sharing, and advice on public policies and international standard-setting.

Selected information

Estimation shows that the population of the world in 2100 will be 10875 million. Asia and Africa with 4719 and 4280 million people will have the highest population, respectively.

In 2017, 2018, and 2019, Iran's HDIs were 0.787, 0.785, and 0.783, respectively. Iran ranked 70th among the world countries in 2019. It is necessary to mention that Iran also ranked 65th in 2018.

In 2019, Iranian life expectancy at birth was 76.7 years.

According to the statistics released by OPEC, Iranian crude oil production in 2020 was 1985.3 thousand barrels per day. Iran has ranked fifth among 13 OPEC member countries. Saudi Arabia with an average production of 9213.2 thousand barrels, Iraq with a production of 3996.6 thousand barrels per day, United Arab Emirates with an average production of 2778.6 thousand barrels per day, and Kuwait with an average production of 2438.0 thousand barrels per day are ranked first second, third and fourth among the world's oil-producing countries, respectively.

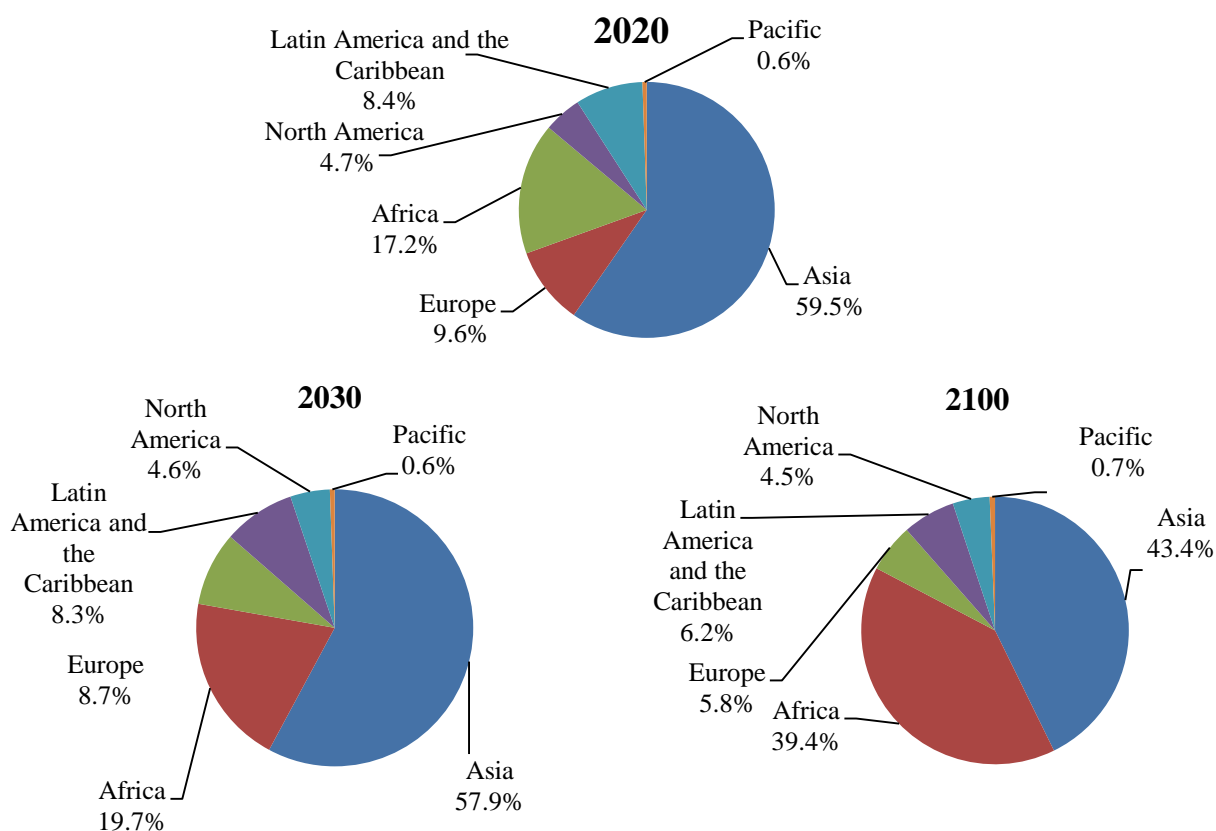
According to the cited statistics, Iran ranked ninth among OPEC oil-exporting countries in 2020 by 404.5 thousand barrels per day production. In addition, supplying more than 253 billion cubic meters of natural gas to the market, made Iran the largest gas supplier in OPEC.

24.1. THE WORLD POPULATION AND ITS PROJECTION BY AREA**(mln people)**

World and region	2019 ⁽¹⁾	2020 ⁽¹⁾	2030 ⁽¹⁾	2050 ⁽¹⁾	2100 ⁽¹⁾
World	7713	7795	8548	9735	10875
Asia	4601	4641	4947	5290	4719
Africa	1308	1341	1688	2489	4280
Europe	747	748	741	710	680
Latin America and the Caribbean	648	654	706	762	680
Northern America	364	369	391	425	491
Pacific	42	43	48	57	75

1. Midyear figures.

Source: United Nations.

24.1. THE WORLD POPULATION AND ITS PROJECTION BY AREA

For data see Table 24.1.

24.2. SOME POPULATION INDICATORS BY COUNTRIES

Region and country	Estimated Population (million)	Population under 14 (percent)	Population over 60 (percent)	Population density (person per sq. km)	Percentage of urbanization
	Mid-year 2021 ⁽¹⁾				2020
<i>Asia</i>					
Azerbaijan, Republic ⁽²⁾	10.22	23.4	12.3	123.7	53
Jordan.....	10.27	32.1	6.3	115.7	91
Armenia.....	2.97	2.8	19.0	104.3	64
Uzbekistan.....	33.94	28.7	8.6	79.8	51
Afghanistan.....	39.84	41.2	4.3	61.0	26
United Arab Emirates.....	9.99	14.9	3.6	119.5	87
Indonesia.....	276.36	25.6	1.4	152.6	55
Iran (Islamic Republic of).....	85.03	24.8	1.6	52.2	75
Bahrain.....	1.75	18.0	5.7	23.4	89
Bangladesh.....	166.30	26.3	8.2	1277.6	37
Pakistan.....	225.20	34.6	6.8	292.1	37
Tajikistan.....	9.75	37.4	6.0	69.7	26
Thailand.....	69.95	16.3	2.0	136.9	57
Turkmenistan.....	6.12	3.6	8.4	13.0	52
Turkey.....	85.04	23.6	13.5	11.5	76
China ⁽³⁾	1444.22	17.6	17.9	153.8	61
Japan.....	126.05	12.3	34.6	345.8	92
Singapore.....	5.90	12.4	21.9	8423.8	100
Syria, Arab Republic.....	18.28	3.7	7.6	99.5	55
Iraq.....	41.18	37.3	5.1	94.8	70
Saudi Arabia.....	35.34	24.5	6.2	16.4	84
Oman.....	5.22	22.9	4.5	16.9	85
Palestine ⁽⁴⁾	5.22	38.0	5.1	867.6	76
Philippine.....	111.05	29.5	8.9	372.4	47
Kyrgyzstan.....	6.63	32.6	8.4	34.6	34
Kazakhstan.....	19.00	29.2	12.6	7.0	59
Qatar.....	2.93	13.7	3.9	252.4	100
Republic of Korea.....	51.31	12.3	24.2	527.7	81
Kuwait.....	4.33	21.1	7.1	242.9	100
Georgia ⁽⁵⁾	3.98	2.3	21.9	57.3	59
Lebanon.....	6.77	24.5	11.7	661.7	89
Malaysia ⁽⁶⁾	32.78	23.3	11.3	99.8	76
India.....	1393.41	25.8	1.4	468.7	35
Yemen.....	30.49	38.4	4.7	57.8	37

24.2. SOME POPULATION INDICATORS BY COUNTRIES (continued)

Region and country	Estimated Population (million)	Population under 14 (percent)	Population over 60 (percent)	Population density (person per sq. km)	Percentage of urbanization
	Mid-year 2021 ⁽¹⁾				2020
<i>Africa</i>					
South Africa	60.04	28.6	8.7	49.5	67
Algeria.....	44.62	30.9	10.1	18.7	73
Burkina Faso	21.50	44.1	4.0	78.6	30
Tunisia.....	11.94	24.2	13.8	76.8	69
Zimbabwe.....	15.09	41.3	4.7	39.0	32
Sudan.....	44.91	39.5	5.7	25.4	36
Cameroon	27.22	41.8	4.3	57.6	57
Democratic Republic of the Congo....	92.38	45.6	4.7	40.7	67
Libyan Arab Jamahiriya.....	6.96	27.4	7.1	4.0	80
Morocco	37.34	26.5	12.3	83.7	63
Egypt.....	104.26	33.8	8.4	104.7	43
Nigeria.....	211.40	43.3	4.5	232.1	51
<i>South America</i>					
Argentina.....	45.61	24.3	15.7	16.7	92
Brazil.....	213.99	20.5	14.5	25.6	87
Peru	33.36	24.7	12.8	26.1	78
Chile.....	19.21	19.0	18.0	25.8	88
Venezuela.....	28.70	26.5	12.4	32.5	88
<i>North America</i>					
USA.....	332.92	18.2	23.3	36.4	82
Canada.....	38.07	15.8	25.4	4.2	81
Cuba	11.32	15.7	22.0	106.3	77
Mexico	130.26	25.5	11.5	67.0	73
<i>Europe</i>					
Germany.....	83.90	14.0	29.1	240.7	77
Austria.....	9.04	14.5	26.2	109.7	59
Spain ⁽⁷⁾	46.75	14.2	26.8	93.7	81
Ukraine ⁽⁸⁾	43.47	15.9	24.0	75.0	69
Italy	60.37	12.8	30.3	205.2	71
Ireland	4.98	20.5	20.0	72.3	63
Belgium.....	11.63	17.0	26.0	384.2	98
Bulgaria.....	6.90	14.7	28.4	63.5	74
Bosnia and Herzegovina	3.26	14.3	26.0	64.0	49
UK ⁽⁹⁾	68.21	17.6	24.7	281.9	84

24.2. SOME POPULATION INDICATORS BY COUNTRIES (continued)

Region and country	Estimated	Population under	Population over 60	Population density	Percentage
	Mid-year 2021 ⁽¹⁾				2020
Portugal	10.17	12.9	29.8	111.0	73
Denmark ⁽¹⁰⁾	5.81	16.3	26.4	137.0	88
Romania	19.13	15.5	26.0	83.1	54
Sweden	10.16	17.7	26.1	24.8	88
Switzerland.....	8.72	15.0	25.8	22.6	85
Russian Federation.....	145.91	18.5	22.9	8.9	74
France ⁽¹¹⁾	65.43	17.5	27.2	119.5	81
Finland ⁽¹²⁾	5.55	15.6	29.4	18.3	70
Poland	37.80	15.2	26.4	123.4	60
Hungary.....	9.63	14.5	26.9	106.4	71
Norway ⁽¹³⁾	5.47	17.1	23.5	15.0	82
Netherland ⁽¹⁴⁾	17.17	15.5	27.1	509.3	92
Greece	10.37	13.4	29.2	8.5	79
Pacific					
Australia ⁽¹⁵⁾	25.79	19.3	22.1	3.4	86
New Zealand ⁽¹⁶⁾	4.86	19.3	22.7	18.5	87

1. Projected estimate (medium fertility variant)

2. Including Nagorno-Karabakh.

3. For statistical purposes, the data for China do not include Hong Kong and Macao, Special Administrative Regions (SAR) of China and Taiwan Province of China

4. Including Eastern Jerusalem

5. Including Abkhazia and South Ossetia

6. Including Sabah and Sarawak.

7. Including Canary Islands, Ceuta and Melilla.

8. Including Crimea Peninsula.

9. Refers to the United Kingdom of Great Britain and Northern Ireland. For statistical purposes, the data for United Kingdom do not include Anguilla, Bermuda, British Virgin Islands, Cayman Islands, Channel Islands, Falkland Islands (Malvinas), Gibraltar, Isle of Man, Montserrat, Saint Helena, Turks and Caicos Islands.

10. For statistical purposes, the data for Denmark do not include Faroe Islands, and Greenland.

11. For statistical purposes, the data for France do not include French Guiana, French Polynesia, Guadeloupe, Martinique, Mayotte, New Caledonia, Réunion, Saint Pierre and Miquelon, Saint Barthélemy, Saint Martin (French part), Wallis and Futuna Islands.

12. Including Aland Islands.

13. Including Svalbard and Jan Mayen Islands.

14. For statistical purposes, the data for Netherlands do not include Aruba, Bonaire, Sint Eustatius and Saba, Curaçao, and Sint Maarten (Dutch part).

15. Including Christmas Island, Cocos (Keeling) Islands and Norfolk Island.

16. For statistical purposes, the data for New Zealand do not include Cook Islands, Niue, and Tokelau.

Source: United Nations.

24.3. CRUDE BIRTH, DEATH RATES AND INFANT MORTALITY RATES BY SELECTED COUNTRIES, 2020

Region and country	Crude birth rate (per 1000 population)	Crude death rate (per 1000 population)	Deaths rate of infants under one year of age ⁽¹⁾ (per 1000 live births)
Asia	17	7	27
Azerbaijan, Republic.....	14	6	11
Jordan	22	4	17
Armenia.....	12	9	6
Uzbekistan.....	23	5	11
Afghanistan	33	6	50
United Arab Emirates.....	11	1	6
Indonesia	18	7	25
Iran (Islamic Republic of).....	17	5	6
Bahrain	14	2	6
Bangladesh.....	21	5	34
Pakistan	28	6	62
Tajikistan.....	25	4	27
Thailand	10	8	7
Turkmenistan	23	7	43
Turkey	18	5	9
China	10	7	9
Japan	7	11	1.9
Singapore	9	5	1.7
Syrian Arab Rep.....	24	5	17
Iraq	27	4	23
Saudi Arabia.....	15	3	12
Oman	21	2	9
Occupied Palestine.....	30	4	17
Philippines.....	22	6	21
Kyrgyzstan	27	5	15
Kazakhstan.....	21	7	8
Qatar.....	10	1	6
Korea, Rep. of	6	6	2.8
Kuwait.....	14	2	7
Georgia.....	13	13	8
Lebanon.....	17	5	9
Malaysia.....	16	5	7
India	20	6	33
Yemen	30	6	43
Africa	34	8	49
South Africa	20	9	25
Algeria.....	24	5	21
Burkina Faso	38	8	52
Tunisia.....	17	6	14
Zimbabwe.....	33	8	47
Sudan.....	32	7	42
Cameroon	38	8	48
Congo, D. Rep. of	44	9	68
Libyan Arab Jamahiriya.....	24	4	12

24.3. CRUDE BIRTH, DEATH RATES AND INFANT MORTALITY RATES BY SELECTED COUNTRIES, 2020 (continued)

Region and country	Crude birth rate (per 1000 population)	Crude death rate (per 1000 population)	Deaths of infants rate under one year of age ⁽¹⁾ (per 1000 live births)
Morocco	17	5	18.0
Egypt	23	6	15.0
Nigeria.....	37	12	67.0
South America.....	15	6	13.0
Argentina.....	17	8	8.8
Brazil.....	14	6	10.0
Peru	19	5	15.0
Chile.....	12	6	5.6
Venezuela.....	18	7	28.0
North America	11	8	6.0
USA.....	12	9	57.0
Canada.....	10	8	4.7
Latin America and the Caribbean.....	16	6	14.0
Cuba	10	10	4.0
Mexico	17	6	11.0
Europe	10	11	4.0
Germany.....	10	12	3.2
Austria.....	10	9	2.7
Spain	8	9	2.6
Ukraine.....	8	14	7.1
Italy	7	11	2.8
Ireland	12	6	3.1
Belgium.....	10	10	3.2
Bulgaria.....	9	16	5.6
Bosnia-Herzegovina.....	8	11	6.0
U.K.....	11	9	3.7
Portugal	9	11	3.2
Denmark.....	11	9	3.1
Romania	11	14	5.9
Sweden.....	11	9	1.8
Switzerland.....	10	8	3.3
Russian Federation.....	11	13	5.1
France.....	11	9	3.6
Finland	8	10	2.1
Poland	10	11	3.7
Hungary.....	9	13	3.8
Norway.....	10	8	2.1
Netherlands	10	9	3.5
Greece.	8	11	3.5
Pacific.....	17	7	16.0
Australia.....	13	6	3.1
New Zealand	12	7	4.5

1. Infants mortality rate per 1000 live births and mortality rates with decimals indicate national statistics reported as completely registered, while those with no decimals are estimates from the sources cited.

Source: Population Reference Bureau.

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES

Region and country	Life expectancy at birth	Expected years of schooling	Mean years of schooling	Gross National Income (GNI) per capita
				(constant 2017 PP\$)
2019				
<i>Asia</i>				
Azerbaijan, Republic.....	73.0	12.9	10.6	13784
Jordan.....	74.5	11.4	10.5	9858
Armenia.....	75.1	13.1	11.3	13894
Uzbekistan.....	71.7	12.1	11.8	7142
Afghanistan.....	64.8	10.2	3.9	2229
United Arab Emirates.....	78.0	14.3	12.1	67462
Indonesia.....	71.7	13.6	8.2	11459
Iran (Islamic Republic of).....	76.7	14.8	10.3	12447
Bahrain.....	77.3	16.3	9.5	42522
Bangladesh.....	72.6	11.6	6.2	4976
Pakistan.....	67.3	8.3	5.2	5005
Tajikistan.....	71.1	11.7	10.7	3954
Thailand.....	77.2	15.0	7.9	17781
Turkmenistan.....	68.2	11.2	10.3	14909
Turkey.....	77.7	16.6	8.1	27701
China.....	76.9	14.0	8.1	16057
Japan.....	84.6	15.2	12.9	42932
Singapore.....	83.6	16.4	11.6	88155
Syrian Arab Republic.....	72.7	8.9	5.1	3613
Iraq.....	70.6	11.3	7.3	10801
Saudi Arabia.....	75.1	16.1	10.2	47495
Oman.....	77.9	14.2	9.7	25944
Occupied Palestine.....	74.1	13.4	9.2	6417
Philippines.....	71.2	13.1	9.4	9778
Kyrgyzstan.....	71.5	13.0	11.1	4864
Kazakhstan.....	73.6	15.6	11.9	22857
Qatar.....	80.2	12.0	9.7	92418
Korea (Republic of).....	83.0	16.5	12.2	43044
Kuwait.....	75.5	14.2	7.3	58590
Georgia.....	73.8	15.3	13.1	14429
Lebanon.....	78.9	11.3	8.7	14655
Malaysia.....	76.2	13.7	10.4	27534
India.....	69.7	12.2	6.5	6681
Yemen.....	66.1	8.8	3.2	1594
<i>Africa</i>				
South Africa.....	64.1	13.8	10.2	12129
Algeria.....	76.9	14.6	8.0	11174
Burkina Faso.....	61.6	9.3	1.6	2133
Tunisia.....	76.7	15.1	7.2	10414
Zimbabwe.....	61.5	11.0	8.5	2666
Sudan.....	65.3	7.9	3.8	3829
Cameroon.....	59.3	12.1	6.3	3581
Congo, D. Rep. of.....	60.7	9.7	6.8	1063
Libyan Arab Republic.....	72.9	12.9	7.6	15688

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)

Region and country	Life expectancy at birth	Expected years of schooling	Mean years of schooling	Gross National Income (GNI) per capita (constant 2017 PPP\$)
				2019
Morocco	76.7	13.7	5.6	7368
Egypt	72.0	13.3	7.4	11466
Nigeria.....	54.7	10.0	6.7	4910
<i>South America</i>				
Argentina.....	76.7	17.7	10.9	21190
Brazil.....	75.9	15.4	8.0	14263
Peru	76.7	15.0	9.7	12252
Chile.....	80.2	16.4	10.6	23261
Venezuela.....	72.1	12.8	10.3	7045
<i>North America</i>				
USA.....	78.9	16.3	13.4	63826
Canada.....	82.4	16.2	13.4	48527
Cuba	78.8	14.3	11.8	8621
Mexico	75.1	14.8	8.8	19160
<i>Europe</i>				
Germany.....	81.3	17.0	14.2	55314
Austria.....	81.5	16.1	12.5	56197
Spain	83.6	17.6	10.3	40975
Ukraine.....	72.1	15.1	11.4	13216
Italy	83.5	16.1	10.4	42776
Ireland	82.3	18.7	12.7	68371
Belgium.....	81.6	19.8	12.1	52085
Bulgaria.....	75.1	14.4	11.4	23325
Bosnia-Herzegovina.....	77.4	13.8	9.8	14872
U.K.....	81.3	17.5	13.2	46071
Portugal	82.1	16.5	9.3	33967
Denmark.....	80.9	18.9	12.6	58662
Romania	76.1	14.3	11.1	29497
Sweden.....	82.8	19.5	12.5	54508
Switzerland.....	83.8	16.3	13.4	69394
Russian Federation.....	72.6	15.0	12.2	26157
France.....	82.7	15.6	11.5	47173
Finland	81.9	19.4	12.8	48511
Poland.	78.7	16.3	12.5	31623
Hungary.....	76.9	15.2	12.0	31329
Norway.....	82.4	18.1	12.9	66494
Netherlands	82.3	18.5	12.4	57707
Greece	82.2	17.9	10.6	30155
<i>Pacific</i>				
Australia.....	83.4	22.0	12.7	48085
New Zealand	82.3	18.8	12.8	40799

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)

Region and country	Human development index ⁽¹⁾					Human development index rank 2018	Human development index rank 2019
	2015	2016	2017	2018	2019		
<i>Asia</i>							
Azerbaijan, Republic.....	0.744	0.749	0.759	0.754	0.754	87	88
Jordan.....	0.730	0.722	0.726	0.728	0.729	102	102
Armenia.....	0.768	0.751	0.769	0.771	0.776	81	81
Uzbekistan.....	0.701	0.701	0.713	0.717	0.720	108	106
Afghanistan.....	0.500	0.491	0.506	0.509	0.511	170	169
United Arab Emirates.....	0.859	0.863	0.881	0.889	0.890	35	31
Indonesia.....	0.696	0.700	0.707	0.722	0.718	111	107
Iran (Islamic Republic of).....	0.774	0.799	0.787	0.785	0.783	65	70
Bahrain.....	0.848	0.839	0.854	0.852	0.852	45	42
Bangladesh.....	0.595	0.599	0.616	0.625	0.632	135	133
Pakistan.....	0.536	0.556	0.550	0.552	0.557	152	154
Tajikistan.....	0.652	0.647	0.657	0.661	0.668	125	127
Thailand.....	0.749	0.753	0.796	0.772	0.777	77	79
Turkmenistan.....	0.694	0.706	0.701	0.710	0.715	108	111
Turkey.....	0.801	0.800	0.814	0.817	0.820	59	54
China.....	0.739	0.749	0.750	0.755	0.761	85	85
Japan.....	0.908	0.910	0.915	0.917	0.919	19	19
Singapore.....	0.931	0.933	0.933	0.936	0.938	9	11
Syrian Arab Republic.....	0.537	0.539	0.564	0.563	0.567	154	151
Iraq.....	0.649	0.672	0.667	0.671	0.674	120	123
Saudi Arabia.....	0.852	0.857	0.852	0.854	0.854	36	40
Oman.....	0.814	0.834	0.819	0.813	0.813	47	60
Occupied Palestine.....	0.701	0.687	0.706	0.708	0.708	119	115
Philippines.....	0.701	0.704	0.708	0.711	0.718	106	107
Kyrgyzstan.....	0.690	0.669	0.694	0.696	0.697	122	120
Kazakhstan.....	0.806	0.808	0.815	0.819	0.815	50	51
Qatar.....	0.839	0.847	0.848	0.845	0.848	41	45
Korea (Republic of).....	0.907	0.901	0.912	0.914	0.916	22	23
Kuwait.....	0.801	0.809	0.805	0.807	0.806	57	64
Georgia.....	0.890	0.776	0.799	0.805	0.812	70	61
Lebanon.....	0.744	0.725	0.748	0.747	0.744	93	92
Malaysia.....	0.796	0.801	0.805	0.805	0.810	61	62
India.....	0.624	0.637	0.640	0.642	0.645	129	131
Yemen.....	0.483	0.477	0.467	0.468	0.470	177	179
<i>Africa</i>							
South Africa.....	0.701	0.702	0.705	0.707	0.709	113	114
Algeria.....	0.740	0.755	0.745	0.746	0.748	82	98
Burkina Faso.....	0.422	0.420	0.439	0.443	0.452	182	182
Tunisia.....	0.729	0.736	0.734	0.739	0.740	91	95
Zimbabwe.....	0.553	0.549	0.563	0.569	0.571	150	150
Sudan.....	0.504	0.505	0.509	0.506	0.510	168	170
Cameroon.....	0.549	0.556	0.557	0.560	0.563	150	153
Congo, D. Rep. of.....	0.464	0.453	0.478	0.478	0.480	179	175
Libyan Arab Jamahiriya.....	0.697	0.690	0.714	0.721	0.724	110	105

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)

Region and country	Human development index ⁽¹⁾					Human development index rank 2018	Human development index rank 2019
	2015	2016	2017	2018	2019		
Morocco	0.658	0.669	0.673	0.680	0.686	121	121
Egypt	0.691	0.695	0.698	0.701	0.707	116	116
Nigeria.....	0.526	0.528	0.531	0.534	0.539	158	161
<i>South America</i>							
Argentina.....	0.840	0.828	0.843	0.842	0.845	48	46
Brazil.....	0.756	0.757	0.761	0.762	0.769	79	84
Peru	0.759	0.755	0.767	0.771	0.777	82	79
Chile.....	0.842	0.843	0.847	0.849	0.851	42	43
Venezuela.....	0.769	0.752	0.743	0.733	0.711	96	113
<i>North America</i>							
USA.....	0.921	0.919	0.924	0.925	0.926	15	17
Canada.....	0.921	0.92	0.926	0.928	0.929	13	16
Cuba	0.772	0.771	0.777	0.781	0.783	72	70
Mexico	0.766	0.764	0.771	0.776	0.779	76	74
<i>Europe</i>							
Germany.....	0.938	0.936	0.943	0.946	0.947	4	6
Austria.....	0.915	0.909	0.919	0.921	0.927	20	18
Spain	0.895	0.888	0.903	0.905	0.904	25	25
Ukraine.....	0.765	0.746	0.771	0.774	0.779	88	74
Italy	0.882	0.878	0.886	0.890	0.892	29	29
Ireland.....	0.935	0.936	0.947	0.951	0.955	3	2
Belgium.....	0.922	0.915	0.929	0.930	0.931	17	14
Bulgaria.....	0.809	0.812	0.811	0.813	0.816	52	56
Bosnia-Herzegovina.....	0.761	0.765	0.774	0.777	0.780	75	73
U.K.....	0.923	0.918	0.926	0.928	0.932	15	13
Portugal.....	0.854	0.846	0.858	0.860	0.864	40	38
Denmark.....	0.933	0.928	0.936	0.939	0.940	11	10
Romania.....	0.815	0.808	0.821	0.823	0.828	52	49
Sweden.....	0.938	0.934	0.942	0.943	0.945	8	7
Switzerland.....	0.947	0.943	0.949	0.955	0.955	2	2
Russian Federation.....	0.809	0.817	0.82	0.823	0.824	49	52
France.....	0.895	0.887	0.897	0.898	0.901	26	26
Finland	0.930	0.922	0.935	0.937	0.938	12	11
Poland	0.843	0.864	0.873	0.877	0.880	32	35
Hungary.....	0.842	0.838	0.846	0.850	0.854	43	40
Norway.....	0.947	0.951	0.954	0.956	0.957	1	1
Netherlands	0.934	0.929	0.939	0.942	0.944	10	8
Greece.....	0.877	0.866	0.879	0.881	0.888	32	32
<i>Pacific</i>							
Australia.....	0.938	0.935	0.941	0.943	0.944	6	8
New Zealand	0.921	0.917	0.926	0.928	0.931	14	14

1. It is necessary to mention that the figures of the previous years are revised according to the publication "HDR" every year.

Source: United Nations.

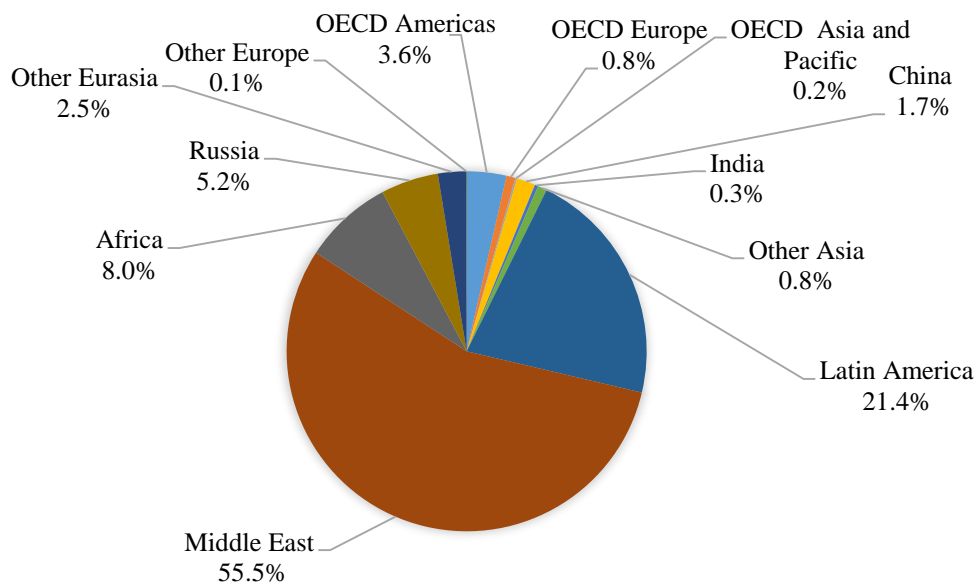
24.5. WORLD PROVEN CRUDE OIL RESERVES BY REGION AND COUNTRY^(1,2) (mln barrels)

Region and country	2016	2017	2018	2019	2020
Total World	1489127	1491327	1494742	1546024	1548652
OECD Americas	44483	51270	54973	54580	55192
OECD Europe	12264	12454	13098	13224	12412
OECD Asia and Pacific....	2491	2493	2483	2477	2475
China	25620	25627	25927	26154	26023
India	4622	4495	4423	4423	4605
Other Asia	13548	13583	13415	13577	12841
Latin America	329689	329283	330461	331628	330719
Middle East	807730	804639	803184	854945	860037
Africa	128875	127677	126972	125228	124560
Russia.....	80000	80000	80000	80000	80000
Other Eurasia.....	38874	38874	38874	38874	38874
Other Europe	932	932	932	914	914
Total world of which:					
OPEC	1187345	1183674	1182528	1232808	1236895
OPEC percentage	79.7	79.4	79.1	79.7	79.9
OECD.....	59238	66217	70554	70281	70079

1. Figures as at year-end.

2. Data excludes oil sands.

Source: OPEC.

24.2. WORLD PROVEN CRUDE OIL RESERVES BY REGION, 2020

For data see Table 24.5.

24.6. WORLD CRUDE OIL PRODUCTION BY REGION AND COUNTRY⁽¹⁾ (1000 barrels per day)

Region and country	2016	2017	2018	2019	2020
Total World⁽¹⁾	75367.2	74494.8	75695.1	75242.9	69093.3
OECD Americas	12194.3	12535.8	14052.8	15274.3	14143.0
OECD Europe	2927.6	2874.8	2862.2	2774.7	2969.3
OECD Asia and Pacific....	328.6	298.4	311.1	388.6	376.5
China	3986.1	3821.5	3787.0	3825.0	3889.0
India	720.8	719.9	695.6	654.6	615.7
Other Asia	2200.9	2094.0	1997.1	1926.8	1768.6
Latin America	4694.9	4730.4	4698.6	4952.8	4971.0
Middle East	1810.4	1731.4	1722.8	1689.1	1625.1
Africa	1230.2	1242.0	1267.5	1252.9	1169.2
Russia.....	10292.2	10207.2	10383.2	10479.5	9459.8
Other Eurasia.....	2389.4	2478.1	2559.9	2533.2	2342.3
Other Europe	127.2	122.2	119.2	116.0	109.8
Total world of which:					
OPEC	32464.4	31639.2	31238.1	29375.3	25654.0
OPEC percentage	43.1	42.5	41.3	39.0	37.1
OECD.....	15450.6	15709.0	17226.1	18437.5	17488.8

1. OPEC Member Countries are not included in the regional totals.

Source: OPEC.

24.7. WORLD CRUDE OIL EXPORTS BY REGION AND COUNTRY⁽¹⁾ (1000 barrels per day)

Region and country	2016	2017	2018	2019	2020
Total World⁽¹⁾	44194.1	44698.7	45924.3	45221.6	41988.0
OECD Americas	4607.0	5315.0	6509.1	7461.2	7412.2
OECD Europe	2102.3	2195.0	2167.5	2144.4	2274.5
OECD Asia and Pacific....	230.1	206.0	236.2	270.6	271.2
China	58.6	97.1	52.4	16.1	32.7
India	0.0	0.0	0.0	0.0	0.0
Other Asia	1020.5	951.9	838.7	643.8	654.1
Latin America	3830.5	3821.7	3468.9	3292.1	3006.0
Middle East	19321.1	18756.8	18916.8	1763.1	16303.0
Africa	5957.5	6226.5	6435.9	6454.1	5384.4
Russia.....	5079.3	5057.5	5206.8	5253.0	4653.5
Other Eurasia.....	1969.1	2060.6	2080.2	2040.3	1982.7
Other Europe	18.2	10.6	11.8	15.9	13.7
Total world of which:					
OPEC	24603.5	24267.2	24274.5	22477.8	19700.6
OPEC percentage	55.7	54.3	52.9	49.7	46.9
OECD.....	6939.5	7716.1	8912.8	9876.3	9957.9

1. Data may include lease condensates and volumes of oil in transit

Source: OPEC.

24.8. CRUDE OIL PRODUCTION BY OPEC MEMBERS**(1000 barrels per day)**

Country	2005	2010	2015	2016	2017	2018	2019	2020
Total.....	31246	29295	31601	32464⁽¹⁾	31639⁽¹⁾	31238⁽¹⁾	29375⁽¹⁾	25654
Angola.....	1241	1758	1767	1722	1632	1473	1373	1271
Ecuador ⁽²⁾	512	476	543	549	531	517	531	××
Algeria.....	1352	1190	1157	1146	1059	1040	1023	899
United Arab Emirates.....	2378	2324	2989	3088	2967	3008	3058	2779
Iran, (Islamic Republic of).....	4092	3544	3152	3651	3867	3553	2356	1985
Congo.....	000	309	232	225	263	324	329	300
Kuwait ⁽³⁾	2573	2312	2859	2954	2704	2737	2678	2438
Gabon.....	000	233	214	221	210	193	218	207
Equatorial Guinea.....	000	237	185	160	129	120	110	114
Iraq.....	1853	2358	3504	4648	4469	4410	4576	3997
Saudi Arabia ⁽³⁾	9353	8166	10193	10460	9959	10317	9808	9213
Libya.....	1693	1487	404	389	811	951	1097	389
Nigeria.....	2366	2048	1748	1427	1536	1602	1737	1493
Venezuela.....	3067	2854	2654	2373	2035	1510	1013	569

1. Revised figures.

2. Ecuador has left the OPEC since 1st January, 2020.

3. Figures do not include share from Neutral Zone

Source: OPEC.

24.9. CRUDE OIL EXPORTS ⁽¹⁾ BY OPEC MEMBERS**(1000 barrels per day)**

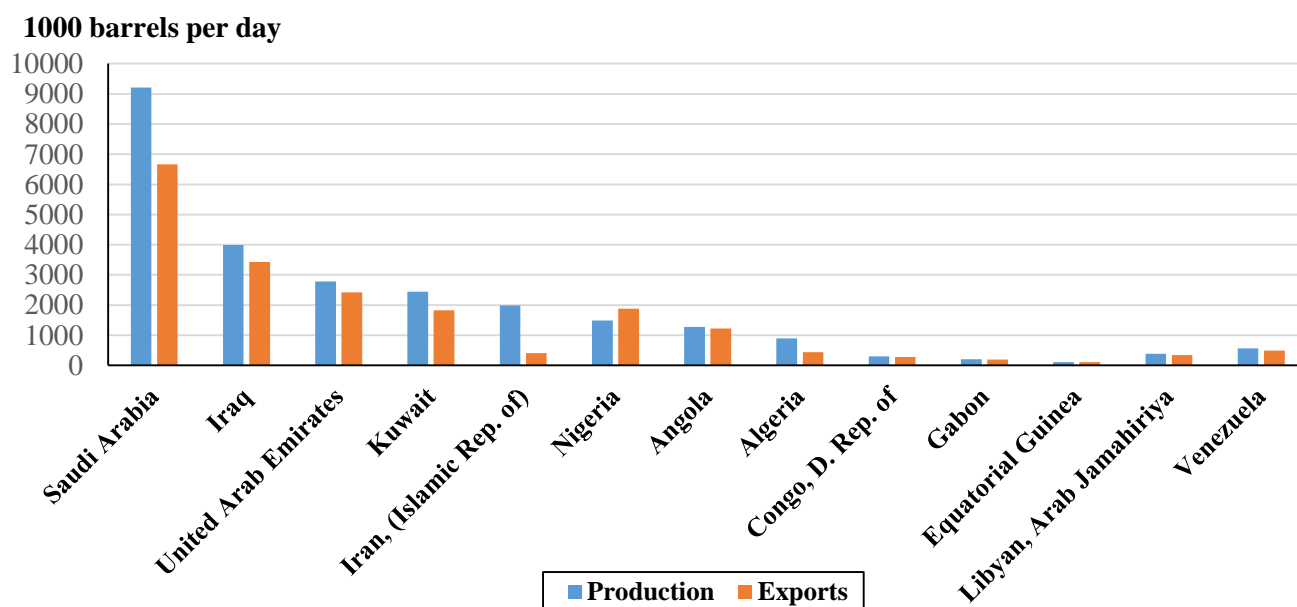
Country	2005	2010	2015	2016	2017	2018	2019	2020
Total	23316	22806	23433	24603⁽²⁾	24267⁽²⁾	24274⁽²⁾	22478⁽²⁾	19701
Angola.....	947	1711	1711	1670	1577	1421	1319	1220
Ecuador ⁽³⁾	380	340	433	400 ⁽²⁾	380 ⁽²⁾	367 ⁽²⁾	398	××
Algeria.....	970	709	642	669 ⁽²⁾	633	571	584	439
United Arab Emirates.....	2195	2104	2442	2408	2379	2297	2414	2418
Iran, (Islamic Republic of) ..	2395	2248	1081	1922	2125	1850	651	405
Congo.....	1472	1890	3005	3803	3802	3862	3968	3428
Kuwait.....	7209	6644	7163	7463	6968	7372	7038	6659
Gabon.....	000	000	227	254	261	307	309	282
Equatorial Guinea.....	1651	1430	1964	2128	2010	2050	1986	1826
Iraq.....	-	-	206	205	188	174	207	196
Saudi Arabia.....	000	000	182	158	125	121	110	114
Libya.....	1306	1118	288	350	792	998	1036	347
Nigeria.....	2326	2464	2114	1738	1811	1980	2008	1879
Venezuela.....	1788	1562	1974	1835	1596	1273	847	487

1. Data may include lease condensates and volumes of oil in transit

2. Revised figures.

3. Ecuador has left the OPEC since 1st January, 2020.

Source: OPEC.

24.3. PRODUCTION AND EXPORT OF CRUDE OIL BY OPEC MEMBERS, 2020

For data see Tables 24.8 & 24.9.

24.10. EXPORTS OF Oil PRODUCTS⁽¹⁾ BY OPEC MEMBERS (1000 barrels per day)

Country	2005	2010	2015	2016	2017	2018	2019	2020
Total	4307	3962	3869	4307⁽²⁾	3899⁽²⁾	4673⁽²⁾	3885⁽²⁾	3483
Angola.....	14	31	37	54	17	18	17	16
Ecuador ⁽³⁾	20	28	16	31	42	42	39	××
Algeria.....	452	315	605	541	570	532	506	503
United Arab Emirates.....	509	337	415	630	654	916	882	840
Iran, (Islamic Republic of).....	402	368	514	515	270	272	285	281
Congo.....	14	5	14	37	20	46	107	151
Kuwait.....	1385	951	1155	1503	1438	1971	1300	1017
Gabon.....	000	000	6	6	6	6	6	4
Equatorial Guinea.....	614	773	739	707	640	630	637	527
Iraq.....	-	-	11	10	12	9	8	9
Saudi Arabia.....	000	000	×	0	0	0	0	0
Libya.....	163	50	22	23	23 ⁽²⁾	25	21	66
Nigeria.....	49	23	18	18	19	21	20	0
Venezuela.....	609	760	318	262	230 ⁽²⁾	226 ⁽²⁾	98 ⁽²⁾	70

1. Data may include lease condensates and volumes of oil in transit

2. Revised figures.

3. Ecuador has left the OPEC since 2016.

Source: OPEC.

24.11. OIL DEMAND BY MAIN PETROLEUM PRODUCT IN OPEC MEMBERS (1000 barrels per day)

Country	2005	2010	2015 ⁽¹⁾	2016 ⁽¹⁾	2017 ⁽¹⁾	2018 ⁽¹⁾	2019	2020
Total	5164	8097	9107	8696⁽¹⁾	8768⁽¹⁾	8642⁽¹⁾	8777⁽¹⁾	8055
Angola.....	53	95	142	122	115	121	122	99
Ecuador ⁽²⁾	153	242	259	247	241	260	271	××
Algeria.....	246	344	419	399	422	431	430	383
United Arab Emirates.....	204	591	778	799	819	885	899	828
Iran, (Islamic Republic of).....	1479	1820	1795	1801	1819	1854	1838	1692
Congo.....	537	694	686	757	723	704	716	550
Kuwait.....	1175	2600	3319	3210	3272	3105	3199	3037
Gabon.....	000	000	8	8	8	8	9	7
Equatorial Guinea.....	249	358	383	380	401	417	460	461
Iraq.....	-	-	36	46 ⁽¹⁾	47 ⁽¹⁾	47 ⁽¹⁾	48 ⁽¹⁾	45
Saudi Arabia.....	000	000	8	6	5	5	5	5
Libya.....	230	301	211	208	208	215	214	183
Nigeria.....	258	271	408	393	426	446	470	466
Venezuela.....	521	675	658	566	503	403	367	300

1. Revised figures.

2. Ecuador has left the OPEC since 1st January, 2020.

Source: OPEC.

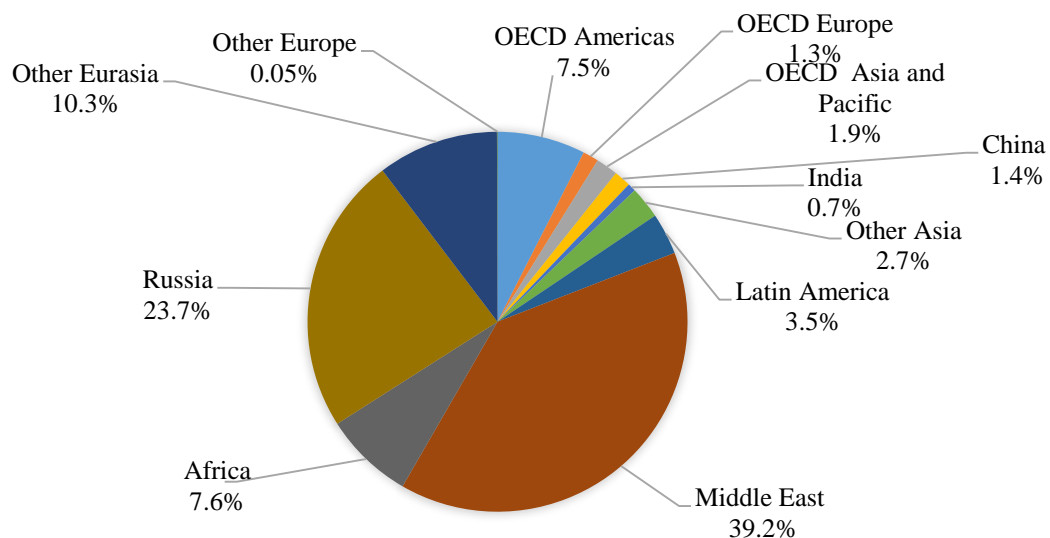
24.12. WORLD PROVEN NATURAL GAS RESERVES BY REGION AND COUNTRY⁽¹⁾ (bln cu m)

Region and country	2016	2017	2018	2019	2020
Total World.....	198669	201732	202969	207590	206683
OECD Americas	11429	14695	15637	15685	15499
OECD Europe	3702	3572	2987	2874	2781
OECD Asia and Pacific.....	3738	3761	3770	3821	3856
China	2838	2786	2779	2834	2987
India	1227	1284	1340	1381	1422
Other Asia	7587	7300	7057	6891	5642
Latin America	7642	7565	7503	7447	7288
Middle East	79675	79572	79957	81951	81075
Africa	14978	15336	15765	15862	15807
Russia.....	50617	50508	49571	49154	48938
Other Eurasia.....	15117	15242	16499	19587	21285
Other Europe	119	111	103	103	103
Total world of which:					
OPEC	72056	72261	72665	74771	73737
OPEC percentage	36.3	35.8	35.8	36.0	35.7
OECD.....	18870	22028	22394	22380	22136

1. Figures as at year-end.

Source: OPEC.

24.4. WORLD PROVEN NATURAL GAS RESERVES BY REGION AND COUNTRY, 2020



For data see Table 24.12.

24.13. WORLD MARKETED PRODUCTION OF NATURAL GAS BY REGION AND COUNTRY
 (mln cu m)

Region and country	2016	2017	2018	2019	2020
Total World.....	3642722	3776147	3957402	4086340	3961959
OECD Americas	980901	1003151	1103209	1185323	1169732
OECD Europe	243042	243923	234386	218701	201977
OECD Asia and Pacific.	110992	131164	148734	169756	170468
China.....	132700	144000	154800	169970	187390
India	30400	31750	31700	31160	27350
Other Asia	297698	296995	291861	287760	270670
Latin America	165958	168955	164444	162529	146484
Middle East	661005	668951	680857	693654	690866
Africa	216627	230927	248171	252781	247524
Russia.....	599440	646800	680430	692680	649144
Other Eurasia.....	192380	197450	207180	210666	193538
Other Europe	11580	12080	11630	11360	6816
Total world of which:					
OPEC	617549	631851	640592	642069	637141
OPEC percentage	17.0	16.7	16.2	15.7	16.1
OECD.....	1334935	1378238	1486329	1573780	1542177

Source: OPEC.

24.14. MARKETED NATURAL GAS PRODUCTION BY OPEC MEMBERS
 (mln cu m)

Country	2005	2010	2015	2016	2017	2018	2019	2020
Total.....	429369	620819	594532	617549	631851	640592	642069	637141
Angola.....	650	733	772	1919	3111	9614	10546	11313
Ecuador ⁽¹⁾	260	330	497	530	463	349	310 ⁽²⁾	xx
Algeria.....	89235	84615	83041	93152	94778	95898	90302	85119
United Arab Emirates.....	47790	51282	60181	61862	54086	47624	55097	55064
Iran, (Islamic Republic of) ..	103500	187357	226673	226905	238003	248524	253773	253770
Congo.....	1450	1303	7685	10416	10650	11130	11544	7374
Kuwait.....	71240	87660	104450	110860	115000	118000	117000	119000
Gabon.....	000	000	928	866	860	867	580	405
Equatorial Guinea	12300	11733	16909	17291	17102	17738	13952	12883
Iraq	-	-	550	551	487	530	464	502
Saudi Arabia.....	000	000	6200	7876 ⁽²⁾	8237 ⁽²⁾	7751	6235	6023
Libya	11300	16814	15493	15570	14309	13880	14190	17714
Nigeria.....	22400	28099	45148	42562	45434	44251	47828	49947
Venezuela.....	23444	19728	26004	27718	29793	24785	20559	18026

1. Ecuador has left the OPEC since 1st January, 2020.

2. Revised figures.

Source: OPEC.

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<u>24.4. WORLD PROVEN NATURAL GAS RESERVES BY REGION AND COUNTRY, 2020</u>	955