

### *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.

The first table of the chapter shows the world's population by major areas and continent for the mid-year 2018-2019 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. In the classification of regions presented in the OPEC Statistical Yearbook, the former Soviet Union, Turkey and the Caribbean states are included in Eastern Europe, Europe and Latin America, respectively.
3. Gabon which has left OPEC since 1995, rejoined OPEC in 2016.
4. Indonesia has left the OPEC since 2016.
5. Since 2007, Angola and Ecuador joined the OPEC.
6. Qatar left the OPEC in 2019.
7. 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.
8. It should be mentioned that changes in the figures of the indicator are due to revision made in the new HDR report.

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:

- A. Countries with HDI 0.80 to 1 are considered as countries with very high HDI.
- B. Countries with HDI 0.70 to 0.79 are regarded as countries with high HDI.
- C. Countries with HDI 0.55 to 0.69 are considered as countries with medium HDI.
- D. Countries with HDI less than 0.54 are

considered as countries with low HDI.

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

### *Definitions and concepts*

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

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) rates divided by the average population.

***Proven reserves:*** 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:*** 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:*** 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:*** The total flow of natural gas from

oil and gas reservoirs of the non-dissolved associated and non-associated gas.

**Petroleum products:** 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:** 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 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.

#### ***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 2018, 189 world countries were ranked according to the Human Development Index, out of which, 62 countries were ranked with very high human development in the world. Countries such as Norway, Switzerland, Ireland, Germany, Australia, Sweden, Singapore, and the Netherlands, are ranked from 1 to 10, respectively.

In 2016, 2017, and 2018, Iran's HDIs were 0.779, 0.799, and 0.797, respectively. Iran ranked 65<sup>th</sup> among the world countries in 2018. It is necessary to mention that Iran also ranked 63<sup>th</sup> in 2017.

In 2018, Iranian life expectancy at birth was 76.5 years.

According to the statistics released by OPEC, Iranian crude oil production in 2018 was 3553 thousand barrels per day. Iran has ranked third among 14 OPEC member countries. Saudi Arabia with an average production of 10,317 thousand barrels and Iraq with a production of 4410 thousand barrels per day are ranked first and second, among the world's oil-producing countries, respectively.

According to the cited statistics, Iran ranked sixth among OPEC oil-exporting countries in 2018 by 1850 thousand barrels per day production. In addition, supplying 248 billion cubic meters of natural gas to the market, made Iran the largest gas supplier in OPEC.

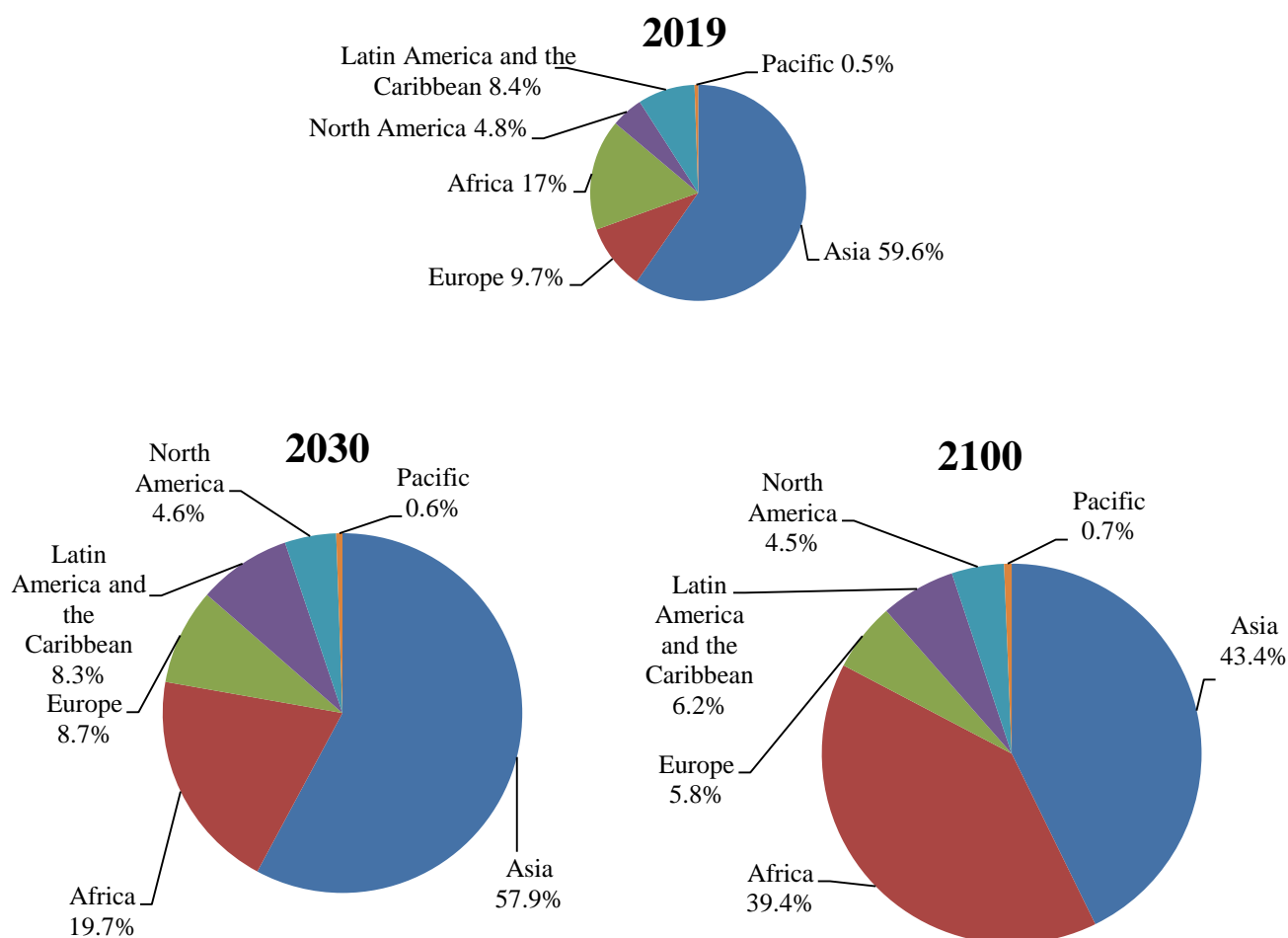
**24.1. THE WORLD POPULATION AND ITS PROJECTION BY AREA** (mln persons)

Area	2018 <sup>(1)</sup>	2019 <sup>(1)</sup>	2030 <sup>(1,2)</sup>	2050 <sup>(1,2)</sup>	2100 <sup>(1,2)</sup>
<b>World</b> .....	<b>7631</b>	<b>7713</b>	<b>8548</b>	<b>9735</b>	<b>10875</b>
Asia .....	4567	4601	4947	5290	4719
Africa .....	1276	1308	1688	2489	4280
Europe .....	746	747	741	710	629
Latin America and the Caribbean .....	642	648	706	762	679
Northern America .....	364	367	391	425	491
Pacific .....	416	42	48	57	75

1. Midyear figures

2. Revised 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

Country	Population (million)	Population under 14 (percent)	Population over 60 (percent)	Population density (person per sq km)	Percentage of urbanization
					2018
<i>Asia</i>					
Azerbaijan, Republic <sup>(1)</sup> .....	10.05	23.4	11.1	121.6	000
Jordan.....	10.10	33.6	5.9	113.8	000
Armenia.....	2.96	20.3	17.9	103.9	000
Uzbekistan.....	32.98	28.8	8.0	77.5	000
Afghanistan.....	38.04	42.5	4.2	58.3	000
United Arab Emirates.....	9.77	14.7	2.8	116.9	000
Indonesia.....	270.63	26.2	9.7	149.4	000
I.R. Iran.....	82.91	24.7	10.0	50.9	000
Bahrain.....	1.64	18.7	5.1	2159.4	000
Bangladesh.....	163.05	27.2	7.7	1252.6	000
Pakistan.....	216.57	35.1	6.6	280.9	000
Tajikistan.....	9.32	37.1	5.5	66.6	000
Thailand.....	69.63	16.8	18.5	136.3	000
Turkmenistan.....	5.94	30.8	7.8	12.6	000
Turkey.....	83.43	24.3	12.7	108.4	000
China <sup>(2)</sup> .....	1433.78	17.8	16.8	152.7	000
Japan.....	126.86	12.6	34.0	348.0	000
Singapore.....	5.80	12.3	19.9	8291.9	000
Syria, Arab Republic.....	17.07	31.1	7.3	93.0	000
Iraq.....	39.31	38.0	5.1	90.5	000
Saudi Arabia.....	34.27	24.9	5.7	15.9	000
Oman.....	4.98	22.4	4.2	16.1	000
Palestine.....	8.52	27.9	16.3	393.7	000
Philippine.....	108.12	30.5	8.3	362.6	000
Kyrgyzstan.....	6.42	32.5	7.8	33.5	000
Kazakhstan.....	18.55	28.9	11.9	6.9	000
Qatar.....	2.83	13.6	3.3	243.9	000
Republic of Korea.....	51.23	12.7	22.1	526.8	000
Kuwait.....	4.21	21.6	6.0	236.1	000
Georgia <sup>(3)</sup> .....	4.00	20.0	21.2	57.5	000
Lebanon.....	6.86	25.6	10.8	670.2	000
Malaysia <sup>(4)</sup> .....	31.95	23.7	10.6	97.2	000
India.....	1366.42	26.6	9.9	459.6	000
Yemen.....	29.16	39.2	4.6	55.2	000
<i>Africa</i>					
South Africa.....	66.63	29.7	8.2	25.1	000
Algeria.....	43.05	30.6	9.7	18.1	000
Burkina Faso.....	20.32	44.7	3.9	74.3	000
Tunisia.....	11.69	24.2	13.1	75.3	000
Zimbabwe.....	14.65	42.2	4.6	37.9	000
Sudan.....	42.81	40.2	5.6	24.3	000
Cameroon.....	25.88	42.4	4.3	54.7	000
Democratic Republic of the Congo.....	5.38	41.5	4.4	15.8	000
Libyan Arab Jamahiriya.....	6.78	28.1	6.7	3.9	000

**24.2. SOME POPULATION INDICES BY COUNTRIES (continued)**

Country	Population (million)	Population under 14 (percent)	Population over 60 (percent)	Percentage of urbanization		
				Population density (population per sq km)	2018	
	Mid-year 2019					
Morocco .....	36.47	27.0	11.4	81.7	000	
Egypt .....	100.39	33.8	8.1	100.8	000	
Nigeria.....	200.96	43.7	4.5	220.7	000	
<b>South America</b>						
Argentina.....	44.78	24.6	15.4	16.4	000	
Brazil.....	211.05	21.0	13.6	25.3	000	
Peru .....	32.51	25.3	12.1	25.4	000	
Chile.....	18.95	19.5	16.9	25.5	000	
Venezuela.....	28.52	27.4	11.6	32.3	000	
<b>North America</b>						
USA.....	329.06	18.5	22.4	36.0	000	
Canada.....	37.41	15.8	24.3	4.1	000	
Cuba .....	11.33	16.0	20.7	106.5	000	
Mexico .....	127.58	26.2	11.0	65.6	000	
<b>Europe</b>						
Germany.....	83.52	13.8	28.3	239.6	000	
Austria.....	8.96	14.4	25.3	108.7	000	
Spain <sup>(5)</sup> .....	46.74	14.6	25.7	93.7	000	
Ukraine <sup>(6)</sup> .....	43.99	15.9	23.4	75.9	000	
Italy .....	60.55	13.2	29.4	205.9	000	
Ireland .....	4.88	21.2	19.3	70.9	000	
Belgium.....	11.54	17.1	25.3	381.1	000	
Bulgaria.....	7.00	14.7	28.0	64.5	000	
Bosnia and Herzegovina ...	3.30	14.7	24.5	64.7	000	
UK.....	67.53	17.7	24.1	279.1	000	
Portugal .....	10.23	13.3	28.9	111.7	000	
Denmark.....	5.77	16.4	25.8	136.0	000	
Romania .....	19.36	15.6	25.7	84.1	000	
Sweden.....	10.04	17.6	25.8	24.5	000	
Switzerland.....	8.59	14.9	24.8	217.4	000	
Russian Federation.....	145.87	18.2	22.0	8.9	000	
France.....	65.13	17.8	26.5	118.9	000	
Finland <sup>(7)</sup> .....	5.53	16.0	28.6	18.2	000	
Poland .....	37.89	15.2	25.4	123.7	000	
Hungary.....	9.68	14.4	26.6	107.0	000	
Norway <sup>(8)</sup> .....	5.38	17.4	23.0	14.7	000	
Netherland.....	17.10	15.9	26.1	507.0	000	
Greece .....	10.47	13.9	28.3	81.3	000	
<b>Pacific</b>						
Australia <sup>(9)</sup> .....	25.20	19.3	21.4	3.3	000	
New Zealand .....	4.78	19.6	21.7	18.2	000	

1. Including Nagorno-Karabakh.

2. 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

3. Including Abkhazia and South Ossetia

4. Including Sabah and Sarawak.

5. Including Canary Islands, Ceuta and Melilla.

6. Including Crimea Peninsula.

7. Including Aland Islands.

8. Including Svalbard and Jan Mayen Islands.

9. Including Christmas island, Cocos(Keeling) Islands, and Norfolk Islands.

Source: United Nations.

### 24.3. CRUDE LIVE BIRTH, DEATH RATES AND INFANT MORTALITY RATES BY SELECTED COUNTRIES, 2018

Country	Crude birth rate (per 1000 population)	Crude death rate (per 1000 population)	Deaths of infants under one year of age (per 1000 live births)
<i>Asia</i> .....	<i>17</i>	<i>7</i>	<i>26</i>
Azerbaijan, Republic <sup>(1)</sup> .....	14	6	11
Jordan .....	22	4	17
Armenia .....	12	9	7
Uzbekistan .....	22	5	11
Afghanistan .....	33	7	53
United Arab Emirates .....	11	1	6
Indonesia .....	18	7	25
Iran (Islamic Republic of) .....	19	5	5
Bahrain .....	14	2	6
Bangladesh .....	18	5	22
Pakistan .....	29	7	62
Tajikistan .....	25	4	27
Thailand .....	11	8	9
Turkmenistan .....	24	7	44
Turkey .....	15	5	9
China .....	11	7	10
Japan .....	7	11	1.9
Singapore .....	9	5	2
Syrian Arab Rep. ....	24	6	16
Iraq .....	29	5	23
Saudi Arabia .....	16	3	13
Oman .....	20	2	9
Occupied Palestine .....	30	2	18
Philippines .....	21	6	21
Kyrgyzstan .....	25	5	15
Kazakhstan .....	23	7	9
Qatar .....	10	1	6
Korea, Rep. of .....	6	6	2.8
Kuwait .....	15	2	7
Georgia .....	14	13	8
Lebanon .....	17	4	9
Malaysia .....	16	5	6
India .....	20	6	33
Yemen .....	31	6	43
<i>Africa</i> .....	<i>34</i>	<i>8</i>	<i>49</i>
South Africa .....	20	9	22
Algeria .....	25	5	21
Burkina Faso .....	38	8	55
Tunisia .....	17	6	14
Zimbabwe .....	30	10	52
Sudan .....	33	7	43
Cameroon .....	37	10	48
Congo, D. Rep. of .....	42	10	66
Libyan Arab Jamahiriya .....	19	5	10

### 24.3. CRUDE LIVE BIRTH, DEATH RATES AND INFANT MORTALITY RATES BY SELECTED COUNTRIES, 2018 (continued)

Country	Crude birth rate (per 1000 population)	Crude death rate (per 1000 population)	Deaths of infants under one year of age (per 1000 live births)
Morocco .....	17	5	20.0
Egypt .....	25	6	15.0
Nigeria.....	38	12	67.0
<b>South America.....</b>	<b>16</b>	<b>6</b>	<b>13.0</b>
Argentina.....	17	8	9.8
Brazil.....	14	6	10.0
Peru .....	18	5	13.0
Chile.....	12	6	7.1
Venezuela.....	18	7	24.6
<b>North America .....</b>	<b>11</b>	<b>9</b>	<b>6.0</b>
USA.....	12	9	5.8
Canada.....	10	8	4.5
<b>Latin America and the Caribbean.....</b>	<b>17</b>	<b>6</b>	<b>15.0</b>
Cuba .....	10	10	4.0
Mexico .....	17	6	13.0
<b>Europe .....</b>	<b>10</b>	<b>11</b>	<b>4.0</b>
Germany.....	10	12	3.3
Austria.....	10	9	2.7
Spain .....	8	9	2.6
Ukraine.....	8	14	7.1
Italy .....	7	11	2.8
Ireland .....	13	6	3.1
Belgium.....	10	10	3.2
Bulgaria.....	9	15	5.8
Bosnia-Herzegovina.....	9	11	6.0
U.K.....	11	9	3.9
Portugal .....	9	11	3.2
Denmark.....	11	10	3.7
Romania .....	9	12	6.4
Sweden .....	11	9	2.0
Switzerland.....	10	8	3.2
Russian Federation.....	11	13	5.1
France.....	11	9	3.6
Finland .....	9	10	2.1
Poland .....	10	11	3.8
Hungary.....	9	13	3.4
Norway.....	10	8	2.3
Netherlands .....	10	9	3.2
Greece.....	8	12	3.5
<b>Pacific .....</b>	<b>17</b>	<b>7</b>	<b>20.0</b>
Australia.....	13	6	3.3
New Zealand .....	12	7	3.8

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**

Country	Life expectancy at birth	Expected years of schooling	Mean years of schooling	Gross National Income (GNI) per capita (constant 2011 PP\$)
				2018
<i>Asia</i>				
Azerbaijan, Republic.....	72.9	12.4	10.5	15240
Jordan.....	74.4	11.9	10.5	8268
Armenia.....	74.9	13.2	11.8	9277
Uzbekistan.....	71.6	12.0	11.5	6462
Afghanistan.....	64.5	10.1	3.9	1746
United Arab Emirates.....	77.8	13.6	11.0	66912
Indonesia.....	71.5	12.9	8.0	11256
Iran (Islamic Republic of).....	76.5	14.7	10.0	18166
Bahrain.....	77.2	15.3	9.4	40399
Bangladesh.....	72.3	11.2	6.1	4057
Pakistan.....	67.1	8.5	5.2	5190
Tajikistan.....	70.9	11.4	10.7	3482
Thailand.....	76.9	14.7	7.7	16129
Turkmenistan.....	68.1	10.9	9.8	16407
Turkey.....	77.4	16.4	7.7	24905
China.....	76.7	13.9	7.9	16127
Japan.....	84.5	15.2	12.8	40799
Singapore.....	83.5	16.3	11.5	83793
Syrian Arab Republic.....	71.8	8.9	5.1	2725
Iraq.....	70.5	11.1	7.3	15365
Saudi Arabia.....	75.0	17	9.7	49338
Oman.....	77.6	14.7	9.7	37039
Occupied Palestine.....	73.9	12.8	9.1	5314
Philippines.....	71.1	12.7	9.4	9540
Kyrgyzstan.....	71.3	13.4	10.9	3317
Kazakhstan.....	73.2	15.3	11.8	22168
Qatar.....	80.1	12.2	9.7	110489
Korea (Republic of).....	82.8	16.4	12.2	36757
Kuwait.....	75.4	13.8	7.3	71164
Georgia.....	73.6	15.4	12.8	9570
Lebanon.....	78.9	11.3	8.7	11136
Malaysia.....	76.0	13.5	10.2	27227
India.....	69.4	12.3	6.5	6829
Yemen.....	66.1	8.7	3.2	1433
<i>Africa</i>				
South Africa.....	63.9	13.7	10.2	11756
Algeria.....	76.7	14.7	8.0	13639
Burkina Faso.....	61.2	8.9	1.6	1705
Tunisia.....	76.5	15.1	7.2	10677
Zimbabwe.....	61.2	10.5	8.3	2661
Sudan.....	65.1	7.7	3.7	3962
Cameroon.....	58.9	12.7	6.3	3291
Congo, D. Rep. of.....	60.4	9.7	6.8	800
Libyan Arab Republic.....	72.7	12.8	7.6	11685

**24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)**

Country	Life expectancy at birth	Expected years of schooling	Mean years of schooling	Gross National Income (GNI) per capita (constant 2011 PPP\$)
				2018
Morocco .....	76.5	13.1	5.5	7480
Egypt .....	71.8	13.1	7.3	10744
Nigeria.....	54.3	9.7	6.5	5086
<i>South America</i>				
Argentina.....	76.5	17.6	10.6	17611
Brazil.....	75.7	15.4	7.8	14068
Peru .....	76.5	13.8	9.2	12323
Chile.....	80.0	16.5	10.4	21972
Venezuela.....	72.1	12.8	10.3	9070
<i>North America</i>				
USA.....	78.9	16.3	13.4	56140
Canada.....	82.3	16.1	13.3	43602
<i>Latin America and the Caribbean</i>				
Cuba .....	78.7	14.4	11.8	7811
Mexico .....	75.0	14.3	8.6	17628
<i>Europe</i>				
Germany.....	81.2	17.1	14.1	46946
Austria.....	81.4	16.3	12.6	46231
Spain .....	83.4	17.9	9.8	35041
Ukraine.....	72.0	15.1	11.3	7994
Italy .....	83.4	16.2	10.2	36141
Ireland .....	82.1	18.8	12.5	55660
Belgium.....	81.5	19.7	11.8	43821
Bulgaria.....	74.9	14.8	11.8	19646
Bosnia-Herzegovina.....	77.3	13.8	9.7	12690
U.K.....	81.2	17.4	13.0	39507
Portugal .....	81.9	16.3	9.2	27935
Denmark.....	80.8	19.1	12.6	48836
Romania .....	75.9	14.3	11.0	23906
Sweden .....	82.7	18.8	12.4	47955
Switzerland.....	83.6	16.2	13.4	59375
Russian Federation.....	72.4	15.5	12.0	25036
France.....	82.5	15.5	11.4	40511
Finland .....	81.7	19.3	12.4	41779
Poland. ....	78.5	16.4	12.3	27626
Hungary.....	76.7	15.1	11.9	27144
Norway.....	82.3	18.1	12.6	68059
Netherlands .....	82.1	18.0	12.2	50013
Greece .....	82.1	17.3	10.5	24909
<i>Pacific</i>				
Australia.....	83.3	22.1	12.7	44097
New Zealand .....	82.1	18.8	12.7	35108

**24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)**

Country	Human development index <sup>(1)</sup>					Human development index rank 2017	Human development index rank 2018
	2014	2015	2016	2017	2018		
<i>Asia</i>							
Azerbaijan, Republic.....	0.758	0.749	0.749	0.752	0.754	87	87
Jordan.....	0.741	0.721	0.722	0.722	0.723	99	102
Armenia.....	0.741	0.748	0.751	0.758	0.760	81	81
Uzbekistan.....	0.697	0.696	0.701	0.707	0.710	109	108
Afghanistan.....	0.479	0.490	0.491	0.493	0.496	170	170
United Arab Emirates.....	0.836	0.860	0.863	0.864	0.866	35	35
Indonesia.....	0.686	0.696	0.700	0.704	0.707	111	111
Iran (Islamic Republic of).....	0.774	0.789	0.799	0.799	0.797	63	65
Bahrain.....	0.823	0.834	0.839	0.839	0.838	45	45
Bangladesh.....	0.575	0.588	0.599	0.609	0.614	136	135
Pakistan.....	0.548	0.550	0.556	0.558	0.563	151	152
Tajikistan.....	0.625	0.642	0.647	0.651	0.656	126	125
Thailand.....	0.738	0.746	0.753	0.762	0.765	77	77
Turkmenistan.....	0.688	0.701	0.706	0.708	0.710	108	108
Turkey.....	0.764	0.800	0.800	0.805	0.806	59	59
China.....	0.734	0.742	0.749	0.753	0.758	86	85
Japan.....	0.902	0.906	0.91	0.913	0.915	19	19
Singapore.....	0.924	0.929	0.933	0.934	0.935	9	9
Syrian Arab Republic.....	0.553	0.540	0.539	0.544	0.549	154	154
Iraq.....	0.649	0.665	0.672	0.684	0.689	120	120
Saudi Arabia.....	0.845	0.857	0.857	0.856	0.857	36	36
Oman.....	0.795	0.827	0.834	0.833	0.834	47	47
Occupied Palestine.....	0.678	0.685	0.687	0.689	0.690	119	119
Philippines.....	0.679	0.702	0.704	0.709	0.712	106	106
Kyrgyzstan.....	0.662	0.666	0.669	0.671	0.674	122	122
Kazakhstan.....	0.793	0.806	0.808	0.813	0.817	51	50
Qatar.....	0.855	0.851	0.847	0.848	0.848	40	41
Korea (Republic of).....	0.899	0.899	0.901	0.904	0.906	22	22
Kuwait.....	0.799	0.807	0.809	0.809	0.808	57	57
Georgia.....	0.768	0.771	0.776	0.783	0.786	70	70
Lebanon.....	0.763	0.728	0.725	0.732	0.730	93	93
Malaysia.....	0.787	0.797	0.801	0.802	0.804	61	61
India.....	0.615	0.627	0.637	0.643	0.647	129	129
Yemen.....	0.499	0.493	0.477	0.463	0.463	175	177
<i>Africa</i>							
South Africa.....	0.665	0.699	0.702	0.704	0.705	111	113
Algeria.....	0.743	0.751	0.755	0.758	0.759	81	82
Burkina Faso.....	0.399	0.413	0.420	0.429	0.434	183	182
Tunisia.....	0.723	0.731	0.736	0.738	0.739	91	91
Zimbabwe.....	0.507	0.543	0.549	0.553	0.563	153	150
Sudan.....	0.488	0.501	0.505	0.507	0.507	168	168
Cameroon.....	0.514	0.548	0.556	0.560	0.563	150	150
Congo, D. Rep. of.....	0.589	0.445	0.453	0.456	0.459	179	179
Libyan Arab Jamahiriya.....	0.719	0.691	0.690	0.704	0.708	111	110

**24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)**

Country	Human development index <sup>(1)</sup>					Human development index rank 2017	Human development index rank 2018
	2014	2015	2016	2017	2018		
Morocco .....	0.645	0.660	0.669	0.675	0.676	121	121
Egypt .....	0.688	0.690	0.695	0.696	0.700	116	116
Nigeria.....	0.525	0.527	0.528	0.533	0.534	157	158
<b>South America</b>							
Argentina.....	0.826	0.828	0.828	0.832	0.830	48	48
Brazil.....	0.754	0.755	0.757	0.760	0.761	78	79
Peru .....	0.737	0.750	0.755	0.756	0.759	85	82
Chile.....	0.845	0.839	0.843	0.845	0.847	42	42
Venezuela.....	0.769	0.763	0.752	0.735	0.726	92	96
<b>North America</b>							
USA.....	0.918	0.917	0.919	0.919	0.92	15	15
Canada.....	0.919	0.917	0.920	0.921	0.922	12	13
<b>Latin America and the Caribbean</b>							
Cuba .....	0.772	0.768	0.771	0.777	0.778	71	72
Mexico .....	0.758	0.759	0.764	0.765	0.767	76	76
<b>Europe</b>							
Germany.....	0.924	0.933	0.936	0.938	0.939	4	4
Austria.....	0.892	0.906	0.909	0.912	0.914	20	20
Spain .....	0.882	0.885	0.888	0.891	0.893	25	25
Ukraine.....	0.748	0.742	0.746	0.747	0.750	88	88
Italy .....	0.881	0.875	0.878	0.881	0.883	29	29
Ireland.....	0.920	0.926	0.936	0.939	0.942	3	3
Belgium.....	0.895	0.913	0.915	0.917	0.919	17	17
Bulgaria.....	0.792	0.807	0.812	0.813	0.816	51	52
Bosnia-Herzegovina.....	0.747	0.755	0.765	0.767	0.769	75	75
U.K.....	0.908	0.916	0.918	0.919	0.920	14	15
Portugal .....	0.841	0.843	0.846	0.848	0.850	40	40
Denmark.....	0.923	0.926	0.928	0.929	0.930	11	11
Romania .....	0.798	0.806	0.808	0.813	0.816	52	52
Sweden.....	0.909	0.932	0.934	0.935	0.937	8	8
Switzerland.....	0.938	0.943	0.943	0.943	0.946	2	2
Russian Federation.....	0.805	0.813	0.817	0.822	0.824	49	49
France.....	0.894	0.888	0.887	0.890	0.891	26	26
Finland .....	0.893	0.919	0.922	0.924	0.925	12	12
Poland .....	0.852	0.858	0.864	0.868	0.872	33	32
Hungary.....	0.834	0.835	0.838	0.841	0.845	44	43
Norway.....	0.948	0.948	0.951	0.953	0.954	1	1
Netherlands .....	0.923	0.927	0.929	0.932	0.933	10	10
Greece.....	0.865	0.868	0.866	0.871	0.872	31	32
<b>Pacific</b>							
Australia.....	0.937	0.933	0.935	0.937	0.938	5	6
New Zealand.....	0.913	0.914	0.917	0.920	0.921	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.

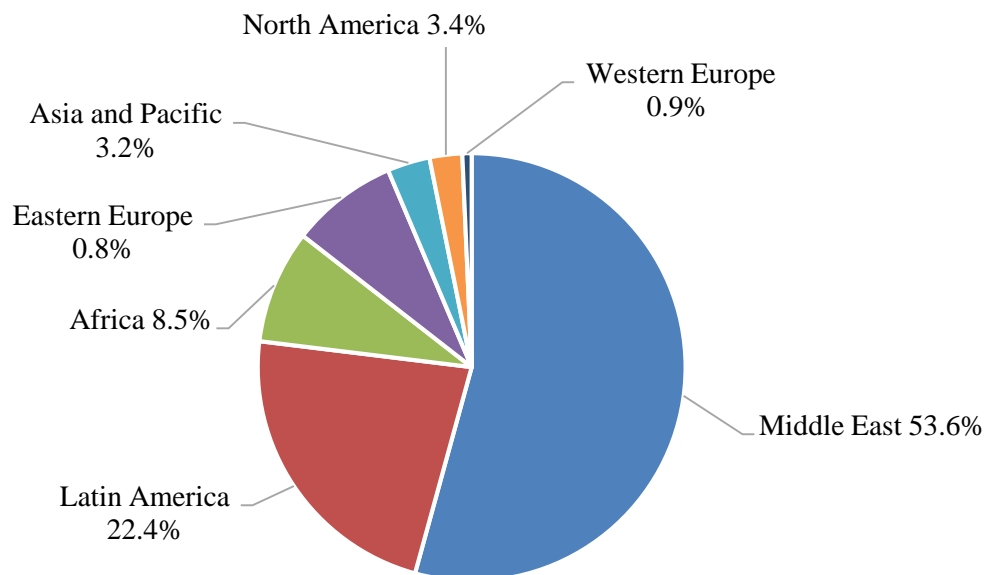
**24.5. WORLD PROVEN CRUDE OIL RESERVES BY REGION**

(mln barrels)

Region	2000	2005	2010	2014 <sup>(1)</sup>	2015 <sup>(1)</sup>	2016 <sup>(1)</sup>	2017 <sup>(1)</sup>	2018
<b>World.....</b>	<b>1086648</b>	<b>1198953</b>	<b>1459765</b>	<b>1492254</b>	<b>1490454</b>	<b>1490661</b>	<b>1492160</b>	<b>1497986</b>
Asia and Pacific.....	42681	40640	47227	48265	47491	47876	47793	47853
Africa.....	93307	117372	125623	127952	128574	128875	127677	126722
North America.....	26901	26579	27469	40669	36450	37130	43581	51541
Latin America.....	122233	118455	334127	341190	342326	336981	336210	335655
Eastern Europe.....	89268	127266	117310	119863	119860	119856	119841	119837
Western Europe.....	19280	16952	13414	11803	12905	12214	12419	13194
Middle East.....	692979	751690	794595	802512	802848	807730	804639	803184

1. Revised figures.  
Source: OPEC.

**24.2. WORLD PROVEN CRUDE OIL RESERVES BY REGION, 2018**



For data see Table 24.5

**24.6. AVERAGE WORLD CRUDE OIL PRODUCTION BY REGION (1000 barrels per day)**

Region	2000	2005	2010	2014 <sup>(1)</sup>	2015 <sup>(1)</sup>	2016 <sup>(1)</sup>	2017 <sup>(1)</sup>	2018
<b>World .....</b>	<b>65857</b>	<b>71523</b>	<b>69886</b>	<b>73360</b>	<b>75080</b>	<b>75276</b>	<b>74567</b>	<b>75780</b>
Asia and Pacific .....	7253	7328	7672	7485	7614	7246	6941	6802
Africa .....	6746	8816	8668	7065	7020	6507	6864	6970
North America.....	7213	6538	6709	10159	10694	10016	10564	12238
Latin America .....	9317	10130	9630	9741	9714	9219	8704	8007
Eastern Europe .....	7631	11083	12647	12641	12645	12757	12930	13166
Western Europe.....	6288	4905	3530	2759	2899	2924	2871	2854
Middle East .....	21410	22722	21031	23511	24494	26608	25693	25743

1. Revised figures.

Source: OPEC.

**24.7. AVERAGE WORLD CRUDE OIL EXPORTS <sup>(1)</sup> BY REGION (1000 barrels per day)**

Region	2000	2005	2010	2014 <sup>(2)</sup>	2015 <sup>(2)</sup>	2016 <sup>(2)</sup>	2017 <sup>(2)</sup>	2018
<b>World .....</b>	<b>38800</b>	<b>40541</b>	<b>41159</b>	<b>40202</b>	<b>41551</b>	<b>44249</b>	<b>44838</b>	<b>45810</b>
Asia and Pacific .....	2230	1961	1565	1151	1271	1291	1309	1216
Africa .....	5209	6482	7635	6261	6410	6000	6273	6515
North America.....	1231	1378	1520	2627	2766	3333	4052	5153
Latin America .....	4906	4739	4624	4953	5211	5119	5095	4747
Eastern Europe .....	4145	5344	7273	6525	6907	7089	7166	7221
Western Europe.....	4991	3740	2555	1892	1949	2096	2187	2043
Middle East .....	16088	16897	15988	16793	17037	19321	18757	18915

1. Including export of lease condensate, re-exports, changes in volumes of oil in transit, not shown transportation, and unknown use.

2. Revised figures.

Source: OPEC.

**24.8. AVERAGE CRUDE OIL PRODUCTION IN OPEC MEMBER COUNTRIES**

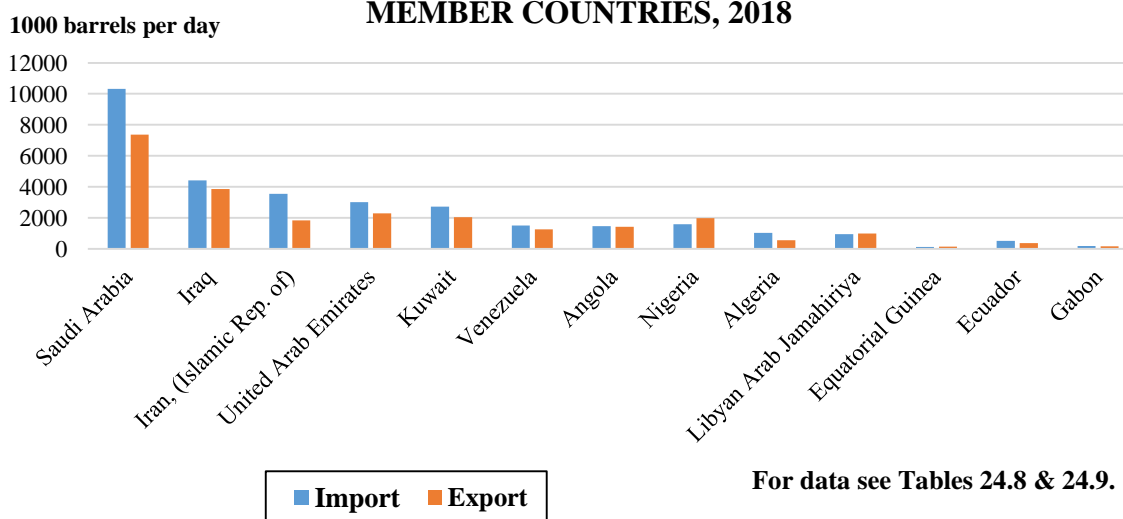
(1000 barrels per day)

Country	2000 <sup>(1)</sup>	2005	2010 <sup>(1)</sup>	2014	2015	2016	2017	2018
<b>Total</b> .....	<b>27618</b>	<b>31246</b>	<b>29295</b>	<b>30908</b>	<b>31850</b>	<b>33281</b>	<b>32515</b>	<b>31756</b>
Angola.....	736	1241	1758	1654	1767	1722	1632	1473
Ecuador.....	392	512	476	557	543	549	531	517
Algeria.....	796	1352	1190	1193	1157	1146	1059	1040
United Arab Emirates.....	2175	2378	2324	2794	2989	3088	2967	3008
Iran, (Islamic Rep. of).....	3661	4092	3544	3117	3152	3651	3867	3553
Congo, D. Rep. of.....	267	000	309	000	000	000	000	324
Kuwait.....	1996	2573	2312	2867	2859	2954	2704	2737
Gabon.....	283	000	233	226	225	220	210	193
Equatorial Guinea.....	115	000	237	000	000	000	000	120
Iraq.....	2810	1853	2358	3111	3504	4648	4469	4410
Saudi Arabia.....	8095	9353	8166	9713	10193	10460	9959	10317
Libyan Arab Jamahiriya.....	1347	1693	1487	480	404	390	817	951
Nigeria.....	2054	2366	2048	1807	1748	1427	1536	1602
Venezuela.....	2891	3067	2854	2683	2654	2373	2035	1510

1. Revised figures.

Source: OPEC.

**24.3. PRODUCTION AND EXPORT OF CRUDE OIL BY OPEC MEMBER COUNTRIES, 2018**



For data see Tables 24.8 & 24.9.

**24.9. AVERAGE CRUDE OIL EXPORTS <sup>(1)</sup> BY OPEC MEMBER COUNTRIES****(1000 barrels per day)**

Country	2000	2005	2010	2014 <sup>(2)</sup>	2015 <sup>(2)</sup>	2016 <sup>(2)</sup>	2017 <sup>(2)</sup>	2018
<b>Total.....</b>	<b>21529</b>	<b>23316</b>	<b>22806</b>	<b>23002</b>	<b>23433</b>	<b>25018</b>	<b>24656</b>	<b>24670</b>
Angola.....	749	947	1711	1608	1711	1670	1577	1421
Ecuador.....	252	380	340	422	433	415	385	371
Algeria.....	461	970	709	623	642	668	633	571
United Arab Emirates.....	1815	2195	2104	2497	2442	2408	2379	2297
Iran, (Islamic Rep. of).....	2492	2395	2248	1109	1081	1922	2125	1850
Iraq.....	2040	1472	1890	2516	3005	3804	3802	3862
Saudi Arabia.....	6253	7209	6644	7154	7163	7463	6968	7372
Congo, D. Rep. of.....	000	000	000	261	227	254	261	307
Kuwait.....	1231	1651	1430	1995	1964	2128	2010	2050
Gabon.....	-	-	-	207	206	205	188	174
Equatorial Guinea.....	000	000	000	197	182	158	128	145
Libyan, Arab Republic.....	1005	1306	1118	329	288	350	792	999
Nigeria.....	1986	2326	2464	2120	2114	1738	1811	1980
Venezuela.....	2004	1788	1562	1965	1974	1835	1596	1273

1. Including export of lease condensate, changes in oil being transported and transportations.

2. Revised figures.

Source: OPEC



**24.10. AVERAGE EXPORTS <sup>(1)</sup> OF REFINED PRODUCTS BY OPEC MEMBER COUNTRIES****(1000 barrels per day)**

Country	2000	2005	2010	2014 <sup>(2)</sup>	2015 <sup>(2)</sup>	2016 <sup>(2)</sup>	2017 <sup>(2)</sup>	2018
<b>Total.....</b>	<b>3641</b>	<b>4307</b>	<b>3962</b>	<b>3492</b>	<b>3869</b>	<b>4338</b>	<b>3924</b>	<b>4708</b>
Angola.....	9	14	31	31	37	54	17	18
Ecuador.....	31	20	28	8	16	31	42	42
Algeria.....	453	452	315	583	605	541	570	532
United Arab Emirates.....	165	509	337	256	415	630	654	916
Iran, (Islamic Rep. of).....	60	402	368	470	514	515	270	272
Iraq.....	126	14	5	9	14	37	20	46
Saudi Arabia.....	1306	1385	951	988	1155	1503	1438	1971
Congo, D. Rep. of.....	000	000	000	7	6	6	6	6
Kuwait.....	380	614	773	751	739	707	640	630
Gabon.....	-	-	-	11	11	10	12	9
Equatorial Guinea.....	000	000	000	×	×	×	×	×
Libyan Arab Jamahiriya.....	150	163	50	17	22	23	24	25
Nigeria.....	30	49	23	49	18	18	19	21
Venezuela.....	617	609	760	312	318	263	212	219

1. Including changes in volumes of oil in transit, not shown transportation, and unknown use.

2. Revised figures.

Source: OPEC

**24.11. AVERAGE CONSUMPTION OF REFINED PRODUCTS IN OPEC MEMBER COUNTRIES****(1000 barrels per day)**

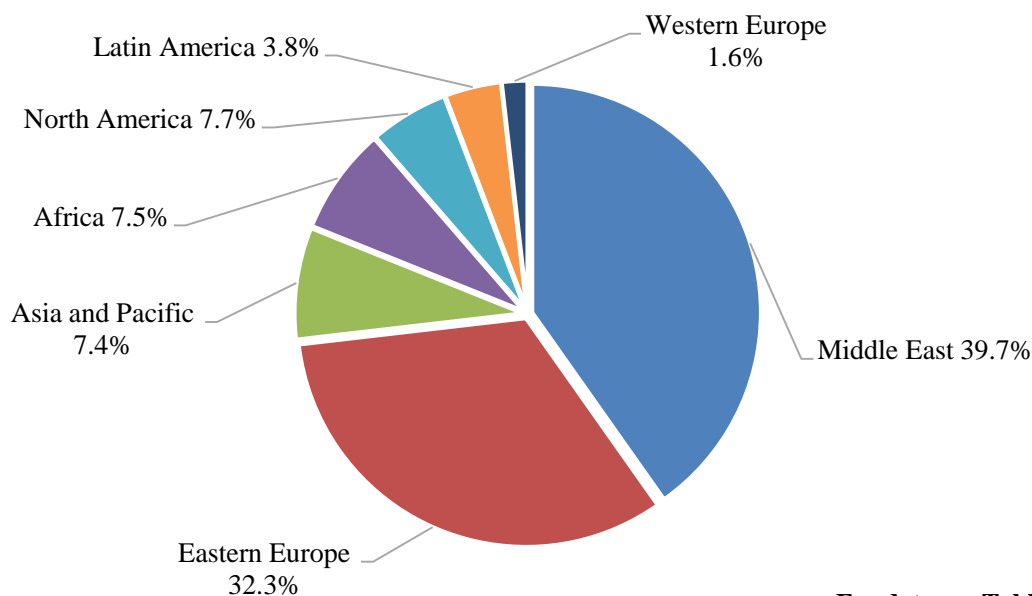
Country	2000	2005	2010	2014 <sup>(1)</sup>	2015 <sup>(1)</sup>	2016 <sup>(1)</sup>	2017 <sup>(1)</sup>	2018
<b>Total.....</b>	<b>5118</b>	<b>5164</b>	<b>8097</b>	<b>8987</b>	<b>9070</b>	<b>8903</b>	<b>8970</b>	<b>8827</b>
Angola.....	36	53	95	147	142	122	115	121
Ecuador.....	120	153	242	286	259	247	241	260
Algeria.....	188	246	344	389	419	399	422	431
United Arab Emirates.....	145	204	591	719	778	799	819	885
Iran, (Islamic Rep. of).....	1189	1479	1820	1846	1795	1801	1819	1854
Iraq.....	452	537	694	680	686	757	723	704
Saudi Arabia.....	902	1175	2600	3163	3319	3210	3272	3105
Congo, D. Rep. of.....	000	000	000	7	8	8	8	8
Kuwait.....	153	249	358	337	346	350	371	353
Gabon.....	-	-	-	34	36	37	38	38
Equatorial Guinea.....	000	000	000	7	8	6	5	5
Libyan Arab Jamahiriya.....	202	230	301	222	211	208	208	215
Nigeria.....	214	258	271	396	408	393	426	446
Venezuela.....	486	521	675	752	658	566	503	402

1. Revised figures.

Source: OPEC

**24.12. WORLD PROVEN NATURAL GAS RESERVES BY REGION****(bln cu m)**

Region	2000	2005	2010	2014 <sup>(1)</sup>	2015 <sup>(1)</sup>	2016 <sup>(1)</sup>	2017 <sup>(1)</sup>	2018
<b>World</b> .....	<b>159776</b>	<b>176272</b>	<b>193239</b>	<b>199547</b>	<b>197284</b>	<b>198850</b>	<b>201804</b>	<b>203229</b>
Asia and Pacific .....	12469	14439	15827	15215	15314	15143	15207	15124
Africa .....	12463	14269	14463	14681	14538	14978	15217	15230
North America.....	6708	7421	9701	12421	10880	11216	14448	15603
Latin America .....	7720	7263	8325	7947	7892	7852	7783	7730
Eastern Europe .....	53160	54526	61034	65156	65370	65695	65493	65499
Western Europe.....	7446	5836	5001	4025	3870	3647	3416	3272
Middle East .....	59811	72518	78889	80102	79419	80319	80239	80770

*1. Revised figures**Source: OPEC.***24.4. WORLD PROVEN NATURAL GAS RESERVES BY REGION, 2018****For data see Table 24.12.**

**24.13. WORLD MARKETED PRODUCTION OF NATURAL GAS BY REGION** (bln cu m)

Region	2000	2005	2010	2014 <sup>(1)</sup>	2015 <sup>(1)</sup>	2016 <sup>(1)</sup>	2017 <sup>(1)</sup>	2018
<b>World</b> .....	<b>2447685</b>	<b>2803859</b>	<b>3300706</b>	<b>3552343</b>	<b>3612615</b>	<b>3630470</b>	<b>3748015</b>	<b>3951936</b>
Asia and Pacific .....	273475	364620	482068	527153	546261	563702	595353	612093
Africa .....	125589	169225	211492	212141	208520	214953	229427	247131
North America .....	726434	<b>696600</b>	800612	896903	932081	928683	958832	1052903
Latin America .....	131461	172184	211157	218244	215092	208414	206393	212621
Eastern Europe.....	699097	785300	786343	816021	811601	807214	860186	906461
Western Europe .....	282630	295780	281728	247988	239817	236969	237730	231672
Middle East.....	209000	320150	527306	633893	659242	670535	660094	689055

1. Revised figures.

Source: OPEC

**24.14. MARKETED NATURAL GAS PRODUCTION BY OPEC MEMBER COUNTRIES**

(mln cu m)

Country	2000	2005	2010	2014	2015	2016	2017	2018
<b>Total</b> .....	<b>384415</b>	<b>429369</b>	<b>620819</b>	<b>566863<sup>(1)</sup></b>	<b>594532<sup>(1)</sup></b>	<b>616404<sup>(1)</sup></b>	<b>630676<sup>(1)</sup></b>	<b>640941</b>
Angola.....	570	650	733	732	772	1919	3111	9614
Ecuador .....	140	260	330	578	497	530	463	349
Algeria.....	83119	89235	84615	83296	83041	93152	94778	95898
United Arab Emirates.....	38380	47790	51282	54245	60181	61862	54086	47624
Iran, (Islamic Rep. of).....	60240	103500	187357	212796	226673	226905	238003	248524
Iraq .....	3150	1450	1303	7927	7685	10416	10650	11130
Saudi Arabia .....	49810	71240	87660	102380	104450	110860	115000	118000
Congo, D. Rep. of .....	000	000	000	928	928	866	860	867
Kuwait.....	9600	12300	11733	15029	16909	17291	17102	17738
Gabon.....	-	-	-	550	550	551	487 <sup>(1)</sup>	530
Equatorial Guinea .....	000	000	000	6160	6200	6200 <sup>(1)</sup>	6600 <sup>(1)</sup>	7751
Libyan Arab Jamahiriya.....	5880	11300	16814	16523	15493	15570	14309	13880
Nigeria.....	12460	22400	28099	43842	45148	42562	45434	44251
Venezuela.....	27801	23444	19728	21878	26004	27718	29793	24785

1. Revised figures.

Source: OPEC.

