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## *Introduction*

This chapter is to provide proper round 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 Bulletin.

The first table of the chapter shows the world's population by major areas for the mid-year 2015 and the period of 2020 to 2050. Table 2 shows information about the population, population density, population aged under 15 and population aged over 60 and urbanization rate of the some world countries. Table 3 represents crude birth and death rate in some selected countries. In Table 4, the information related to 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 view of energy production, 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 figures shown in other chapters.
  2. In the classification of regions presented in OPEC Statistical Yearbook, the former Soviet Union, Turkey and the Caribbean states are included in East Europe, Europe and Latin America, respectively.
  3. Gabon which has left OPEC since 1995, rejoined OPEC in 2016.
  4. Indonesia has left the OPEC in 2016
  5. Since 2007, Angola and Ecuador joined the OPEC.
  6. Since 2010, the components used for calculating Human Development Index (HDI) has changed based on international recommendation according to the Table 24.4.
  7. It should be mentioned that changes in the figures of the indicator is due to revision made in the new HDR<sup>1</sup> report.
- It should be noted that based on the classifications used by UN, countries are classified into the following different groups in terms of 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.

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1. Human Development Report.

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

**Definitions and concepts**

**Birth and death rate (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 high-mortality of older population are often higher than those in less developed countries with lower life expectancy.

**Human Development Index (HDI):**

A composite index measuring average achievement in three basic dimensions of human development for countries: long and healthy life, access to knowledge and education as well as a decent standard of living.

**Life expectancy at birth:**

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:**

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:**

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:**

Aggregate income of an economy generated by its production and its ownership of factors of production, less the incomes paid for the use of factors of production owned by the rest of the world, converted to international dollars using purchasing power parity (PPP) rates, divided by midyear 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 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 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, injected into fields, and shrank. Consequently, it is the process of gas transformation and purification for extraction of natural gas liquids.

***Selected information***

Estimation shows that the population of the world in 2050 will be 9725 million people. Asia and Africa with 5267 and 2478 million have the highest population, respectively.

In 2015, 188 world's countries were ranked according to the Human Development Index, out of which, 51 countries were ranked with

very high human development in the world. Countries such as Norway, Australia, Switzerland, Germany, Denmark, Singapore, the Netherlands, Ireland, Iceland, Canada, and USA are ranked from 1 to 10, respectively.

In the years 2013, 2014, and 2015 Iran's HDIs were 0.770, 0.774, and 0.774, respectively. Iran ranked 69<sup>th</sup> among the world countries in 2015. It is necessary to mention that Iran also ranked 69<sup>th</sup> in 2014.

In 2015, Iranian life expectancy at birth was 75.6 years.

According to the statistics issued by OPEC, Iranian crude oil production in 2016 was 3651 thousand barrels per day. Iran has ranked third among 12 OPEC member countries. Saudi Arabia and Iraq with 10460 and 4648 thousand barrels production are ranked first and second among the world's oil producing countries, respectively.

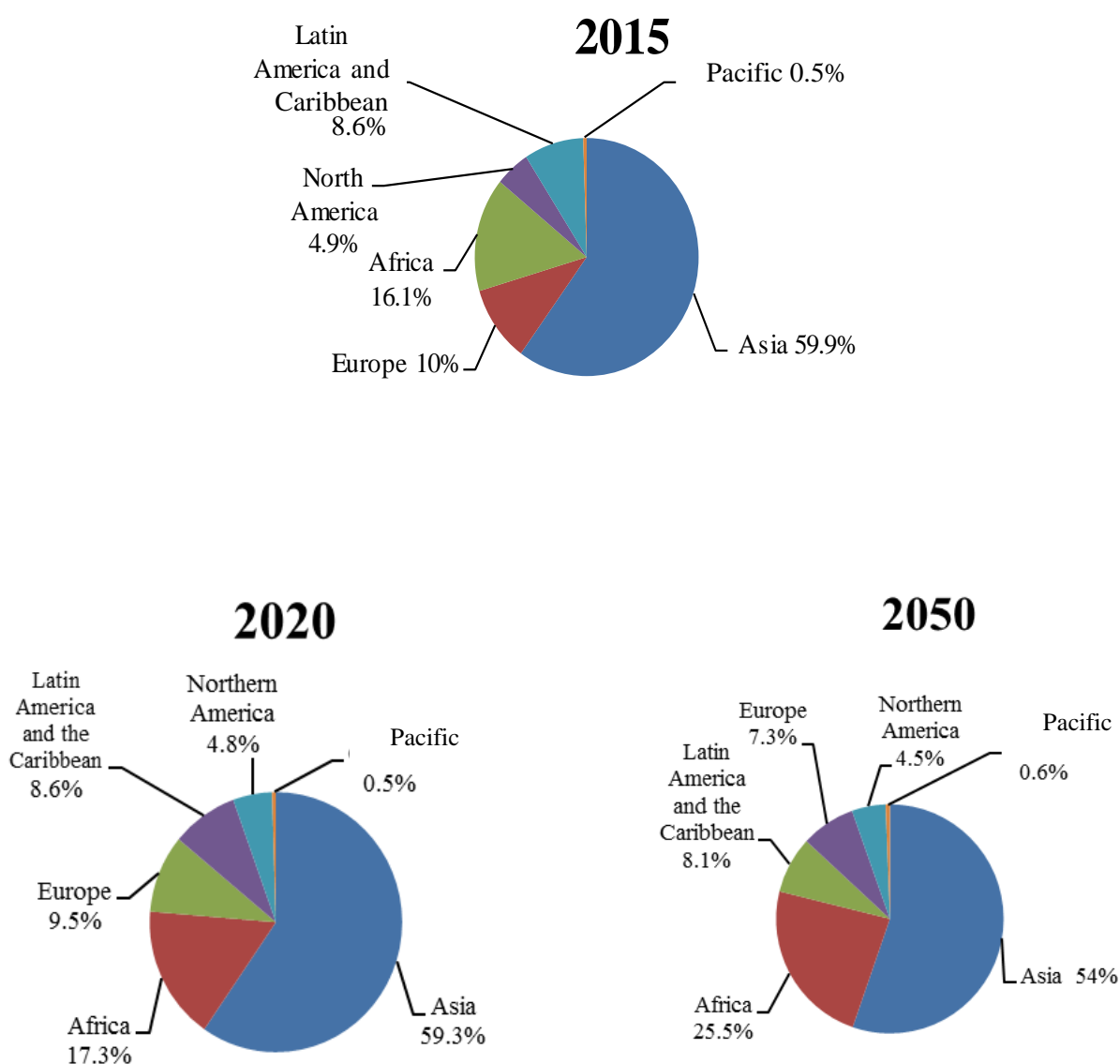
According to the cited statistics, Iran ranked fifth among OPEC oil exporting countries in 2016 by 1922 thousand barrels per day production. In addition, supplying 226 billion cubic metres of natural gas to the market, made Iran the largest gas supplier in OPEC.

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

Area	2015	2020	2030	2040	2050
<b>World</b> .....	<b>7349</b>	<b>7758</b>	<b>8501</b>	<b>9157</b>	<b>9725</b>
Asia .....	4393	4598	4923	5144	5267
Africa .....	1186	1340	1679	2063	2478
Europe .....	738	739	734	721	707
Latin America and the Caribbean .....	634	667	721	760	784
Northern America .....	358	371	396	416	433
Pacific .....	39	42	47	52	57

Source: United Nations.

**24.1. The World Population And Its Projection by Area**



## 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
					2015
<i>Mid-year 2017</i>					
<i>Asia</i>					
Azerbaijan, Republic <sup>(1)</sup> .....	9.83	23.3	10.1	118.9	54.6
Jordan.....	9.70	35.5	5.7	109.3	83.7
Armenia.....	2.93	20.0	16.9	102.9	62.7
Uzbekistan.....	31.91	28.0	7.6	75.0	36.4
Afghanistan.....	35.53	43.2	4.1	54.4	26.7
United Arab Emirates.....	9.40	13.9	2.4	112.4	85.5
Indonesia.....	263.99	27.4	8.6	145.7	53.7
I.R. Iran.....	81.16	23.7	8.8	49.8	73.4
Bahrain.....	1.49	19.7	4.6	1963.9	88.8
Babgladesh.....	164.67	28.4	7.3	1265	34.3
Pakistan.....	197.02	34.8	6.7	255.6	38.8
Tajikistan.....	8.92	35.3	5.8	63.7	26.8
Thailand.....	69.04	17.3	16.9	135.1	50.4
Turkmenistan.....	5.76	30.9	7.3	12.3	50.0
Turkey.....	80.75	25.0	12.0	104.9	73.4
China <sup>(2)</sup> .....	1409.52	17.7	16.2	150.1	55.6
Japan.....	127.48	12.9	33.4	349.7	93.5
Singapore.....	5.71	15.0	19.5	8155.5	100.0
Syria.....	18.27	36.6	6.8	99.5	57.7
Iraq.....	38.27	40.4	5.0	88.1	69.5
Saudi Arabia.....	32.94	25.2	5.6	15.3	83.1
Oman.....	4.64	21.8	4.0	15.0	77.6
Palestine <sup>(3)</sup> .....	8.32	27.9	16.1	384.5	75.3
Philippine.....	104.92	31.7	7.6	351.9	44.4
Kyrgyzstan.....	6.05	31.8	7.6	31.5	35.7
Kazakhstan.....	18.20	27.9	11.1	6.7	53.2
Qatar.....	2.64	13.9	2.8	227.3	99.2
Republic of Korea.....	50.98	13.5	20.1	524.3	82.5
Kuwait.....	4.14	21.1	4.9	232.1	98.3
Georgia.....	3.91	19.2	20.8	56.3	53.6
Lebanon.....	6.08	23.1	12.0	594.6	87.8
Malaysia <sup>(4)</sup> .....	31.62	24.3	9.7	96.3	74.7
India.....	1339.18	27.8	9.4	450.4	32.7
Yemen.....	28.25	39.9	4.6	53.5	34.6
<i>Africa</i>					
South Africa.....	56.72	29.0	8.4	46.8	64.8
Algeria.....	41.32	29.3	9.4	17.3	70.7
Burkina Faso.....	19.19	45.2	3.9	70.2	29.9
Tunisia.....	11.53	24.0	12.3	74.2	66.8
Zimbabwe.....	16.53	41.2	4.2	42.7	32.4
Sudan.....	40.53	40.8	5.5	23.0	33.8
Cameroon.....	24.05	42.7	4.8	50.9	54.4
Dem.Republic of the Congo.....	5.26	42.3	5.2	15.4	65.4
Libyan Arab Jamahiriya.....	6.37	28.2	6.6	3.6	78.6

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

Country	Population (million)	Population under 14 (percent)	Population over 60 (percent)	Population density (population per sq km)	Percentage of urbanization
	Mid-year 2017				2015
Morocco .....	35.74	27.4	10.4	80.1	60.2
Egypt .....	97.55	33.5	7.9	98.0	43.1
Nigeria.....	190.89	44.0	4.5	209.6	47.8
<i>South America</i>					
Argentina.....	44.27	24.9	15.4	16.2	91.8
Brazil.....	209.29	21.7	12.6	25.0	85.7
Peru .....	32.17	27.4	10.4	25.1	78.6
Chile.....	18.05	20.3	16.0	24.3	89.5
Venezuela.....	31.98	27.6	9.9	26.3	89.0
<i>North America</i>					
USA.....	324.46	18.9	21.5	35.5	81.6
Canada.....	36.62	16.0	23.5	4.0	81.8
Cuba .....	11.48	16.0	20.1	107.9	77.1
Mexico .....	129.16	26.7	10.1	66.4	79.2
<i>Europe</i>					
Germany.....	82.11	13.1	28.0	235.6	75.3
Austria.....	8.74	14.1	25.1	106.0	66.0
Spain <sup>(5)</sup> .....	46.35	14.7	25.3	92.9	79.6
Ukraine.....	44.22	15.5	23.2	76.3	69.7
Italy .....	59.36	13.5	29.4	201.8	69.0
Ireland .....	4.76	21.6	19.1	69.1	63.2
Belgium.....	11.43	17.1	24.6	377.5	97.9
Bulgaria.....	7.08	14.2	27.7	65.3	73.9
Bosnia and Herzegovina .....	3.51	14.1	23.4	68.8	39.8
UK.....	66.18	17.7	23.9	273.6	82.6
Portugal.....	10.33	13.6	27.9	112.8	63.5
Denmark.....	5.73	16.5	25.3	135.1	87.7
Romania .....	19.68	15.3	24.9	85.5	54.6
Sweden.....	9.91	17.5	25.5	24.2	85.8
Switzerland.....	8.48	14.9	24.1	214.5	73.9
Russian Federation.....	143.99	17.6	21.1	8.8	74.0
France.....	64.98	18.1	25.7	118.7	79.5
Finland <sup>(6)</sup> .....	5.52	16.4	27.8	18.2	84.2
Poland .....	38.17	14.8	24.0	124.6	60.5
Mungary.....	9.72	14.3	26.0	107.4	71.2
Norway <sup>(7)</sup> .....	5.31	17.8	22.3	14.5	80.5
Netherland.....	17.04	16.4	25.0	505.2	90.5
Greece .....	11.16	14.2	26.5	86.6	78.0

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

Country	Population (million)	Population under 14 (percent)	Population over 60 (percent)	Population density (population per sq km)	Percentage of urbanization
	Mid-year 2017				2015
<b><i>Pacific</i></b>					
Australia <sup>(8)</sup> .....	24.45	19.0	21.0	3.2	89.4
New Zeland .....	4.71	19.8	20.8	17.9	86.3

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 East Jerusalem.

4. Including Sabah and Sarawak.

5. Including Canary Islands, Ceuta and Melilla.

6. Including Aland Islands.

7. Including Svalbard and Jan Mayen Islands.

8. 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, 2016

Country	Crude birth rate	Crude death rate	Infant mortality rate (per 1000 live births) <sup>(1)</sup>
<i>Asia</i>			
Azerbaijan, Republic.....	17	6	11
Jordan.....	26	4	16
Armenia.....	14	9	9
Uzbekistan.....	23	5	29
Afghanistan.....	35	7	60
United Arab Emirates.....	10	2	6
Indonesia.....	19	7	23
Iran (Islamic Republic of).....	20	5	5
Bahrain.....	14	2	6
Bangladesh.....	19	5	38
Pakistan.....	29	7	67
Tajikistan.....	29	5	36
Thailand.....	11	8	10
Turkmenistan.....	27	7	45
Turkey.....	17	5	10
China.....	13	7	10
Japan.....	8	10	1.9
Singapore.....	9	5	2.4
Syrian Arab Rep.....	22	6	17
Iraq.....	32	4	38
Saudi Arabia.....	20	4	12
Oman.....	21	3	9
Occupied Palestine.....	31	4	18
Philippines.....	23	7	21
Kyrgyzstan.....	27	6	18
Kazakhstan.....	23	7	9
Qatar.....	11	1	7
Korea, Rep. of.....	8	6	2.7
Kuwait.....	15	2	8
Georgia.....	15	14	9
Lebanon.....	14	5	8
Malaysia.....	17	5	7
India.....	21	7	37
Yemen.....	32	7	45
<i>Africa</i>			
South Africa.....	21	9	33
Algeria.....	26	4	21
Burkina Faso.....	41	9	65
Tunisia.....	20	6	15
Zimbabwe.....	36	9	50
Sudan.....	34	8	46
Cameroon.....	36	10	54



### 24.3. CRUDE LIVE BIRTH, DEATH RATES AND INFANT MORTALITY RATES BY SELECTED COUNTRIES, 2016 (continued)

Country	Crude birth rate	Crude death rate	Infant mortality rate (per 1000 live births) <sup>(1)</sup>
Congo, D. Rep. of .....	44	10	69
Libyan Arab Jamahiriya.....	20	5	23
Morocco .....	19	5	25
Egypt.....	30	7	16
Nigeria.....	39	13	69
<b>South America</b>			
Argentina.....	17	8	10.1
Brazil.....	13	6	14
Peru .....	20	6	17
Chile.....	14	6	7.3
Venezuela.....	19	5	12.5
<b>North America</b>			
USA.....	12	8	5.8
Canada.....	11	8	4.3
Cuba .....	11	9	4.3
Mexico .....	20	5	18
<b>Europe</b>			
Germany.....	9	11	3.3
Austria.....	10	9	3.1
Spain .....	9	9	2.6
Ukraine.....	9	14	7.4
Italy .....	8	10	3
Ireland .....	14	7	3.3
Belgium.....	11	10	3.4
Bulgaria.....	9	15	6.5
Bosnia-Herzegovina.....	9	11	4.1
U.K.....	12	9	3.9
Portugal .....	8	11	3.2
Denmark.....	11	9	3.1
Romania .....	10	13	7.3
Sweden .....	12	9	2.5
Switzerland.....	11	8	3.4
Russian Federation.....	13	13	6
France.....	12	9	3.5
Finland .....	10	10	1.9
Poland .....	10	10	4
Hungary.....	10	13	3.9
Norway.....	11	8	2.2
Netherlands .....	10	9	3.5
Greece.....	8	11	4
<b>Pacific</b>			
Australia.....	13	7	3.2
New Zealand .....	13	7	3.6

1. Death rates shown with decimals indicate national statistics reported as completely registered, while those without decimals are estimates from the cited sources.

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\$)
				2015
<i>Asia</i>				
Azerbaijan, Republic.....	70.9	12.7	11.2	16413
Jordan.....	74.2	13.1	10.1	10111
Armenia.....	74.9	12.7	11.3	8189
Uzbekistan.....	69.4	12.2	12.0	5748
Afghanistan.....	60.7	10.1	3.6	1871
United Arab Emirates.....	77.1	13.3	9.5	66203
Indonesia.....	69.1	12.9	7.9	10053
Iran (Islamic Republic of).....	75.6	14.8	8.8	16395
Bahrain.....	76.7	14.5	9.4	37236
Bangladesh.....	72.0	10.2	5.2	3341
Pakistan.....	66.4	8.1	5.1	5031
Tajikistan.....	69.6	11.3	10.4	2601
Thailand.....	74.6	13.6	7.9	14519
Turkmenistan.....	65.7	10.8	9.9	14026
Turkey.....	75.5	14.6	7.9	18705
China.....	76.0	13.5	7.6	13345
Japan.....	83.7	15.3	12.5	37268
Singapore.....	83.2	15.4	11.6	78162
Syrian Arab Republic.....	69.7	9.0	5.1	2441
Iraq.....	69.6	10.1	6.6	11608
Saudi Arabia.....	74.4	16.1	9.6	51320
Oman.....	77.0	13.7	8.1	34402
Occupied Palestine.....	73.1	12.8	8.9	5256
Philippines.....	68.3	11.7	9.3	8395
Kyrgyzstan.....	70.8	13.0	10.8	3067
Kazakhstan.....	69.6	15.0	11.7	22093
Qatar.....	78.3	13.4	9.8	129916
Korea (Republic of).....	82.1	16.6	12.2	34541
Kuwait.....	74.5	13.3	7.3	76075
Georgia.....	75.0	13.9	12.2	8856
Lebanon.....	79.5	13.3	8.6	13312
Malaysia.....	74.9	13.1	10.1	24620
India.....	68.3	11.7	6.3	5663
Yemen.....	64.1	9.1	3.0	2300
<i>Africa</i>				
South Africa.....	57.7	13.0	10.3	12087
Algeria.....	75.0	14.4	7.8	13533
Burkina Faso.....	59.0	7.7	1.4	1537
Tunisia.....	75.0	14.6	7.1	10249

**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\$)
				2015
Zimbabwe.....	59.2	10.3	7.7	1588
Sudan.....	63.7	7.2	3.5	3846
Cameroon.....	56.0	10.4	6.1	2894
Congo, D. Rep. of.....	62.9	11.1	6.3	5503
Libyan Arab Jamahiriya.....	71.8	13.4	7.3	14303
Morocco.....	74.3	12.1	5.0	7195
Egypt.....	71.3	13.1	7.1	10064
Nigeria.....	53.1	10.0	6.0	5443
<i>South America</i>				
Argentina.....	76.5	17.3	9.9	20945
Brazil.....	74.7	15.2	7.8	14145
Peru.....	74.8	13.4	9.0	11295
Chile.....	82.0	16.3	9.9	21665
Venezuela.....	74.4	14.3	9.4	15129
<i>North America</i>				
USA.....	79.2	16.5	13.2	53245
Canada.....	82.2	16.3	13.1	42582
Cuba.....	79.6	13.9	11.8	7455
Mexico.....	77.0	13.3	8.6	16383
<i>Europe</i>				
Germany.....	81.1	17.1	13.2	45000
Austria.....	81.6	15.9	11.3	43609
Spain.....	82.8	17.7	9.8	32779
Ukraine.....	71.1	15.3	11.3	7361
Italy.....	83.3	16.3	10.9	33573
Ireland.....	82.7	19.0	12.2	37065
Belgium.....	81.0	16.6	11.4	41243
Bulgaria.....	74.3	15.0	10.8	16261
Bosnia-Herzegovina.....	76.6	14.2	9.0	10091
U.K.....	80.8	16.3	13.3	37931
Portugal.....	81.2	16.6	8.9	26104
Denmark.....	80.4	19.2	12.7	44519
Romania.....	74.8	14.7	10.8	19428
Sweden.....	82.3	16.1	12.3	46251
Switzerland.....	83.1	16.0	13.4	56364
Russian Federation.....	70.3	15.0	12.0	23286
France.....	82.4	16.4	11.6	38085
Finland.....	81.0	17.0	11.2	38868
Poland.....	77.6	16.4	11.9	24117
Hungary.....	75.3	15.6	12	23394
Norway.....	81.7	17.7	12.7	67614
Netherlands.....	81.7	18.1	11.9	46326
Greece.....	81.1	17.2	10.5	24808
<i>Pacific</i>				
Australia.....	82.5	20.4	13.2	42822
New Zealand.....	82.0	19.2	12.5	32870

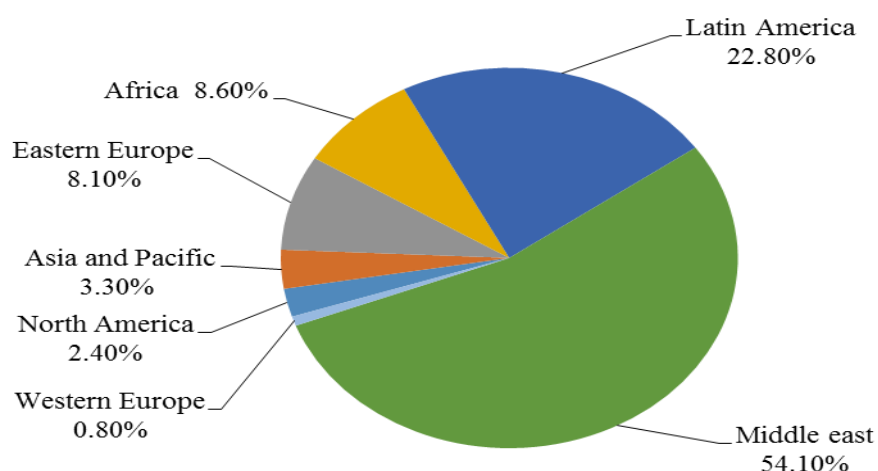
**24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)**

Country	Human development index <sup>(1)</sup>				Human development index rank 2015
	2012	2013	2014	2015	
<i>Asia</i>					
Azerbaijan, Republic.....	0.745	0.752	0.758	0.759	78
Jordan.....	0.737	0.737	0.741	0.741	86
Armenia.....	0.736	0.739	0.741	0.743	84
Uzbekistan.....	0.681	0.690	0.697	0.701	105
Afghanistan.....	0.470	0.476	0.479	0.479	169
United Arab Emirates.....	0.829	0.832	0.836	0.840	42
Indonesia.....	0.677	0.682	0.686	0.689	113
Iran (Islamic Republic of).....	0.769	0.770	0.774	0.774	69
Bahrain.....	0.815	0.820	0.823	0.824	47
Bangladesh.....	0.565	0.570	0.575	0.579	139
Pakistan.....	0.538	0.542	0.548	0.550	147
Tajikistan.....	0.617	0.622	0.625	0.627	129
Thailand.....	0.733	0.737	0.738	0.740	87
Turkmenistan.....	0.678	0.683	0.688	0.691	111
Turkey.....	0.754	0.759	0.764	0.767	71
China.....	0.713	0.723	0.734	0.738	90
Japan.....	0.894	0.899	0.902	0.903	17
Singapore.....	0.920	0.922	0.924	0.925	5
Syrian Arab Republic.....	0.635	0.575	0.553	0.536	149
Iraq.....	0.659	0.658	0.649	0.649	121
Saudi Arabia.....	0.830	0.841	0.845	0.847	38
Oman.....	0.796	0.796	0.795	0.796	52
Occupied Palestine.....	0.684	0.678	0.678	0.684	114
Philippines.....	0.671	0.676	0.679	0.682	116
Kyrgyzstan.....	0.647	0.656	0.662	0.664	120
Kazakhstan.....	0.782	0.789	0.793	0.794	56
Qatar.....	0.843	0.854	0.855	0.856	33
Korea (Republic of).....	0.891	0.896	0.899	0.901	18
Kuwait.....	0.796	0.787	0.799	0.800	51
Georgia.....	0.755	0.759	0.768	0.769	70
Lebanon.....	0.766	0.763	0.763	0.763	76
Malaysia.....	0.779	0.783	0.787	0.789	59
India.....	0.599	0.607	0.615	0.624	131
Yemen.....	0.498	0.500	0.499	0.482	168
<i>Africa</i>					
South Africa.....	0.652	0.660	0.665	0.666	119
Algeria.....	0.737	0.741	0.743	0.745	83
Burkina Faso.....	0.391	0.398	0.399	0.402	185
Tunisia.....	0.720	0.722	0.723	0.725	97

**24.4. HUMAN DEVELOPMENT INDEX (continued)**

Country	Human development index <sup>(1)</sup>				Human development index rank 2015
	2012	2013	2014	2015	
Zimbabwe.....	0.488	0.498	0.507	0.516	154
Sudan.....	0.478	0.485	0.488	0.490	165
Cameroon.....	0.501	0.507	0.514	0.518	153
Congo, D. Rep. of.....	0.576	0.581	0.589	0.592	135
Libyan Arab Jamahiriya.....	0.735	0.730	0.719	0.716	102
Morocco.....	0.634	0.640	0.645	0.647	123
Egypt.....	0.681	0.686	0.688	0.691	111
Nigeria.....	0.514	0.521	0.525	0.527	152
<i>South America</i>					
Argentina.....	0.823	0.825	0.826	0.827	45
Brazil.....	0.734	0.747	0.754	0.754	79
Peru.....	0.731	0.735	0.737	0.740	87
Chile.....	0.830	0.841	0.845	0.847	38
Venezuela.....	0.770	0.771	0.769	0.767	71
<i>North America</i>					
USA.....	0.915	0.916	0.918	0.920	10
Canada.....	0.909	0.912	0.919	0.920	10
Cuba.....	0.773	0.772	0.772	0.775	68
Mexico.....	0.753	0.754	0.758	0.762	77
<i>Europe</i>					
Germany.....	0.919	0.920	0.924	0.926	4
Austria.....	0.887	0.892	0.892	0.893	24
Spain.....	0.874	0.877	0.882	0.884	27
Ukraine.....	0.744	0.746	0.748	0.743	84
Italy.....	0.876	0.877	0.881	0.887	26
Ireland.....	0.902	0.910	0.920	0.921	8
Belgium.....	0.889	0.890	0.895	0.896	22
Bulgaria.....	0.781	0.787	0.792	0.794	56
Bosnia-Herzegovina.....	0.735	0.742	0.747	0.750	81
U.K.....	0.899	0.904	0.908	0.909	16
Portugal.....	0.827	0.837	0.841	0.843	41
Denmark.....	0.924	0.926	0.923	0.925	5
Romania.....	0.794	0.797	0.798	0.802	50
Sweden.....	0.904	0.906	0.909	0.913	14
Switzerland.....	0.934	0.936	0.938	0.939	3
Russian Federation.....	0.799	0.803	0.805	0.804	49
France.....	0.887	0.890	0.894	0.897	21
Finland.....	0.887	0.890	0.893	0.895	23
Poland.....	0.838	0.850	0.852	0.855	36
Hungary.....	0.824	0.834	0.834	0.836	43
Norway.....	0.942	0.945	0.948	0.949	1
Netherlands.....	0.922	0.923	0.923	0.924	7
Greece.....	0.860	0.862	0.865	0.866	29
<i>Pacific</i>					
Australia.....	0.933	0.936	0.937	0.939	2
New Zealand.....	0.908	0.910	0.913	0.915	13

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.

**24.2. WORLD PROVEN CRUDE OIL RESERVES BY REGION ,2016**

For data see Table 24.5.

**24.5. WORLD PROVEN CRUDE OIL RESERVES BY REGION****(mln barrels)**

Region	2000	2005	2010	2012	2013	2014	2015	2016
<b>World.....</b>	<b>1086648</b>	<b>1198953</b>	<b>1459765</b>	<b><sup>(1)</sup>1478673</b>	<b><sup>(1)</sup>1489272</b>	<b><sup>(1)</sup>1490386</b>	<b><sup>(1)</sup>1487893</b>	<b>1492164</b>
Asia and Pacific.....	42681	40640	47227	47552	47860	48197	<sup>(1)</sup> 48385	49003
Africa.....	93307	117372	125623	<sup>(1)</sup> 128291	<sup>(1)</sup> 128070	<sup>(1)</sup> 127257	<sup>(1)</sup> 127969	128359
North America.....	26901	26579	27469	34661	37652	40503	<sup>(1)</sup> 36218	36218
Latin America.....	122233	118455	334127	338356	341522	341296	<sup>(1)</sup> 342549	339645
Eastern Europe.....	89268	127266	117310	119881	119874	119863	119860	119850
Western Europe.....	19280	16952	13414	10800	11337	10761	10064	11353
Middle East.....	692979	751690	794595	799132	802958	802512	802848	807730

1. Revised figures.

Source: OPEC.

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

Region	2000	2005	2010	2012	2013	2014	2015	2016
<b>World.....</b>	<b>65857</b>	<b>71523</b>	<b>69886</b>	<b>(1)72699</b>	<b>(1)72862</b>	<b>(1)73436</b>	<b>(1)75123</b>	<b>75477</b>
Asia and Pacific.....	7253	7328	7672	(1)7484	(1)7446	(1)7460	(1)7594	7240
Africa.....	6746	8816	8668	(1)8217	(1)7639	(1)7160	(1)7095	6660
North America.....	7213	6538	6709	(1)7795	(1)8849	(1)10164	(1)10679	10061
Latin America.....	9317	10130	9630	9701	9698	9741	9715	9222
Eastern Europe .....	7631	11083	12647	(1)12507	(1)12660	(1)12650	(1)12655	12766
Western Europe.....	6288	4905	3530	2888	2724	2750	2893	2920
Middle East .....	21410	22722	21031	24107	23845	23511	24494	26608

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	2012	2013	2014	2015	2016
<b>World.....</b>	<b>38800</b>	<b>40541</b>	<b>41159</b>	<b>(2)41718</b>	<b>(2)40639</b>	<b>(2)40311</b>	<b>(2)41688</b>	<b>44175</b>
Asia and Pacific.....	2230	1961	1565	1239	1131	1200	(2)1324	1356
Africa.....	5209	6482	7635	(2)6994	(2)6522	(2)6054	(2)6202	6747
North America.....	1231	1378	1520	1824	2193	2627	(2)2766	3262
Latin America.....	4906	4739	4624	4578	(2)4383	(2)4945	5213	5122
Eastern Europe .....	4145	5344	7273	6968	6943	6800	7197	7382
Western Europe.....	4991	3740	2555	2038	1969	1892	1949	2096
Middle East .....	16088	16897	15988	18077	17497	16793	17037	19211

1. Including export of natural gas liquids, re-exports, changes in oil being transported, 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	2005	2010	2012	2013	2014	2015	2016
<b>Total.....</b>	<sup>(1)</sup> <b>28894</b>	<b>31246</b>	<b>29249</b>	<sup>(2)</sup> <b>32666</b>	<sup>(2)</sup> <b>31830</b>	<sup>(2)</sup> <b>30908</b>	<sup>(2)</sup> <b>31850</b>	<b>33281</b>
Angola.....	736	1241	1758	1704	1701	1654	1767	1722
Ecuador.....	392	512	476	504	526	557	543	549
Algeria.....	796	1352	1190	1200	1203	1193	1157	1146
United Arab Emirates.....	2175	2378	2324	2653	2797	2794	2989	3088
Gabon <sup>(3)</sup> .....	-	-	-	242	226	226	225	220
Iran, (Islamic Rep. of).....	3661	4092	3544	3740	3575	3117	3152	3651
Iraq.....	2810	1853	2358	2942	2980	3111	3504	4648
Saudi Arabia <sup>(4)</sup> .....	8095	9353	8166	9763	9637	9713	10193	10460
Qatar.....	648	766	733	734	724	709	656	652
Kuwait <sup>(4)</sup> .....	1996	2573	2312	2978	2925	2867	2859	2954
Libyan Arab Jamahiriya.....	1347	1693	1487	1450	993	480	404	390
Nigeria.....	2054	2366	2048	1954	1754	1807	1748	1427
Venezuela.....	2891	3067	2854	2804	2790	2683	2654	2373

1. Difference between the total and sum of parts is due to the withdrawal of Indonesia from the Organization of the Petroleum Exporting Countries (OPEC).

2. Revised figures.

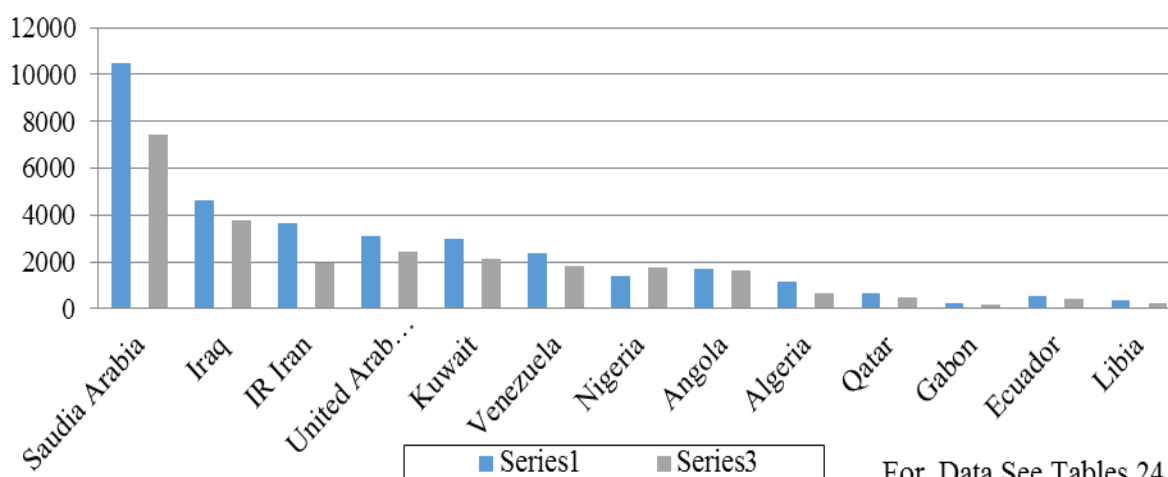
3. Gabon joined OPEC and Indonesia left it.

4. Including share of production from Neutral Zone.

Source: OPEC.

**24.3. CRUDE OIL PRODUCTION EXPORTS BY OPEC MEMBER COUNTRIES, 2016**

1000 Barreis Per Day



For Data See Tables 24.8 and 24.9



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

Country	2000	2005	2010	2012	2013	2014	2015	2016
<b>Total</b> .....	<sup>(2)</sup> <b>21529</b>	<b>23316</b>	<b>22806</b>	<sup>(3)</sup> <b>25294</b>	<sup>(3)</sup> <b>23854</b>	<sup>(3)</sup> <b>23130</b>	<sup>(3)</sup> <b>23488</b>	<b>25014</b>
Angola.....	749	947	1711	1663	1669	1608	1711	1670
Ecuador.....	252	380	340	358	388	422	433	415
Algeria.....	461	970	709	809	744	623	642	668
United Arab Emirates.....	1815	2195	2104	2445	2701	2497	2442	2408
Gabon <sup>(4)</sup> .....	-	-	-	224	208	207	206	205
Iran, (Islamic Rep. of).....	2492	2395	2248	2102	1215	1109	1081	1922
Iraq.....	2040	1472	1890	2423	2390	2516	3005	3804
Saudi Arabia.....	6253	7209	6644	7557	7571	7154	7163	7463
Qatar.....	618	677	587	588	599	596	491	503
Kuwait.....	1231	1651	1430	2070	2059	1995	1964	2128
Libyan Arab Jamahiriya.....	1005	1306	1118	962	589	319	<sup>(3)</sup> 262	255
Nigeria.....	1986	2326	2464	2368	2193	2120	2114	1738
Venezuela.....	2004	1788	1562	1725	1528	1965	1974	1835

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

2. Difference between the total and sum of parts is due to the withdrawal of Indonesia from the Organization of the Petroleum Exporting Countries (OPEC).

3. Revised figures.

4. Gabon joined OPEC and Indonesia left it.

Source: OPEC.

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

Country	2000	2005	2010	2012	2013	2014	2015	2016
<b>Total</b> .....	<b>3641</b>	<b>4307</b>	<b>3962</b>	<sup>(2)</sup> <b>4126</b>	<sup>(2)</sup> <b>4127</b>	<sup>(2)</sup> <b>4023</b>	<sup>(2)</sup> <b>4390</b>	<b>5290</b>
Angola.....	9	14	31	30	32	31	37	54
Ecuador.....	31	20	28	27	20	8	16	31
Algeria.....	453	452	315	449	453	583	605	541
United Arab Emirates.....	165	509	337	<sup>(2)</sup> 276	<sup>(2)</sup> 280	<sup>(2)</sup> 256	<sup>(2)</sup> 415	630
Gabon <sup>(3)</sup> .....	-	-	-	5	6	6	6	6
Iran, (Islamic Rep. of).....	60	402	368	456	394	470	514	898
Iraq.....	126	14	5	2	12	9	14	37
Saudi Arabia.....	1306	1385	951	862	794	988	1155	1503
Qatar.....	74	77	322	<sup>(2)</sup> 466	511	522	521	568
Kuwait.....	380	614	773	804	805	751	739	707
Libyan Arab Jamahiriya.....	150	163	50	<sup>(2)</sup> 53	<sup>(2)</sup> 83	38	<sup>(2)</sup> 32	34
Nigeria.....	30	49	23	<sup>(2)</sup> 21	23	49	18	18
Venezuela.....	617	609	760	675	713	312	318	263

1. Including changes in oil being transported, not shown transportation, and unknown use.

2. Revised figures.

3. Gabon joined OPEC and Indonesia left it.

Source: OPEC.

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

Country	2000	2005	2010	2012	2013	2014	2015	2016
<b>Total</b> .....	<sup>(1)</sup> <b>5118</b>	<b>5164</b>	<b>8097</b>	<sup>(2)</sup> <b>8519</b>	<sup>(2)</sup> <b>8917</b>	<sup>(2)</sup> <b>9130</b>	<sup>(2)</sup> <b>9250</b>	<b>9045</b>
Angola.....	36	53	95	85	149	147	142	122
Ecuador.....	120	153	242	269	272	286	259	247
Algeria.....	188	246	344	351	377	390	419	399
United Arab Emirates.....	145	204	591	638	665	720	778	799
Gabon <sup>(3)</sup> .....	-	-	-	22	24	24	24	25
Iran, (Islamic Rep. of).....	1189	1479	1820	1765	1776	1846	1795	1742
Iraq.....	452	537	694	665	715	680	686	757
Saudi Arabia.....	902	1175	2600	2873	2994	3163	3319	3210
Qatar.....	35	60	107	125	149	170	206	227
Kuwait.....	153	249	358	377	330	337	346	350
Libyan Arab Jamahiriya.....	202	230	301	220	250	222	211	208
Nigeria.....	214	258	271	344	385	396	408	393
Venezuela.....	486	521	675	786	831	752	658	566

1. Difference between the total and sum of parts is due to the withdrawal of Indonesia from the Organization of the Petroleum Exporting Countries (OPEC).

2. Revised figures.

3. Gabon joined OPEC and Indonesia left it

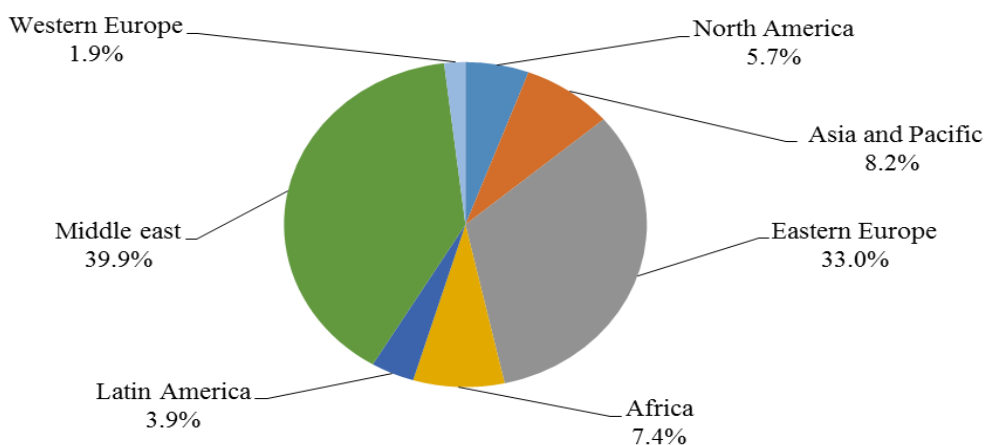
Source: OPEC.

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

Region	2000	2005	2010	(1)2012	(1)2013	(1)2014	(1)2015	2016
<b>World</b> .....	<b>159776</b>	<b>176272</b>	<b>193239</b>	<b>199793</b>	<b>200609</b>	<b>200058</b>	<b>199742</b>	<b>200539</b>
Asia and Pacific .....	12469	14439	15827	16493	16562	16108	16244	16386
Africa .....	12463	14269	14463	14591	14515	14761	14617	14808
North America .....	6708	7421	9701	11121	11726	11212	11365	11365
Latin America .....	7720	7263	8325	7971	7998	7981	7983	7876
Eastern Europe.....	53160	54526	61034	64921	65327	65796	66292	66291
Western Europe .....	7446	5836	5001	4564	4394	4099	3821	3751
Middle East.....	59811	72518	78889	80131	80087	80102	79419	80060

1.Revised figures.  
Source: OPEC.

**24.4.WORLD PROVEN NATURAL GAS RESERVERS BY REGION,2016**



For Data See Table 24.12.

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

Region	2000	2005	2010	2012	2013	( <sup>1</sup> )2014	( <sup>1</sup> )2015	2016
<b>World.....</b>	<b>2447685</b>	<b>2803859</b>	<b>3300706</b>	<b>(<sup>1</sup>)3494086</b>	<b>(<sup>1</sup>)3537093</b>	<b>3594121</b>	<b>3645897</b>	<b>3674471</b>
Asia and Pacific.....	273475	364620	482068	( <sup>1</sup> )486203	( <sup>1</sup> )489914	520546	523553	531916
Africa.....	125589	169225	211492	( <sup>1</sup> )228883	( <sup>1</sup> )215573	214724	210642	216959
North America.....	726434	696600	800612	839521	843040	896903	931910	925114
Latin America.....	131461	172184	211157	218041	219059	219579	221004	222692
Eastern Europe.....	699097	785300	786343	( <sup>1</sup> )857221	( <sup>1</sup> )879188	853693	852339	859816
Western Europe.....	282630	295780	281728	( <sup>1</sup> )267472	( <sup>1</sup> )262996	248376	240197	238593
Middle East.....	209000	320150	527306	( <sup>1</sup> )596745	( <sup>1</sup> )627323	640300	666253	679381

1. Revised figures.

Source: OPEC.

**24.14. MARKETED NATURAL GAS PRODUCTION BY OPEC MEMBER COUNTRIES****(mln cu m)**

Country	2000	2005	2010	2012	2013	2014	2015	2016
<b>Total.....</b>	<b>(<sup>1</sup>)384415</b>	<b>429369</b>	<b>620819</b>	<b>(<sup>2</sup>)706557</b>	<b>(<sup>2</sup>)715442</b>	<b>(<sup>2</sup>)733832</b>	<b>(<sup>2</sup>)768848</b>	<b>791389</b>
Angola.....	570	650	733	760	925	732	772	1919
Ecuador.....	140	260	330	517	515	577	497	530
Algeria.....	83119	89235	84615	86454	79647	83296	83041	93152
United Arab Emirates.....	38380	47790	51282	54300	54600	54245	60181	61084
Gabon <sup>(3)</sup> .....	-	-	-	110	380	550	550	551
Iran, (Islamic Rep. of).....	60240	103500	187357	202431	199293	212796	226673	226905
Iraq.....	3150	1450	1303	( <sup>2</sup> )6674	( <sup>2</sup> )7450	( <sup>2</sup> )7927	( <sup>2</sup> )7685	10416
Saudi Arabia.....	49810	71240	87660	99330	100030	102380	104450	110860
Qatar.....	24900	45800	131165	157050	177602	174057	( <sup>2</sup> )181444	182830
Kuwait.....	9600	12300	11733	15515	16311	( <sup>2</sup> )15029	16909	17291
Libyan Arab Jamahiriya.....	5880	11300	16814	18118	18463	16523	15493	15571
Nigeria.....	12460	22400	28099	42571	38411	43842	45148	42562
Venezuela.....	27801	23444	19728	22726	21820	21878	26004	27718

1. Difference between the total and sum of parts is due to the withdrawal of Indonesia from the Organization of the Petroleum Exporting Countries (OPEC).

2. Revised figures.

3. Gabon joined OPEC and Indonesia left it.

Source: OPEC.