

# WORLD MINING DATA

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# Preface

The sufficient supply of minerals and other raw materials under fair market conditions is an essential basis for a well-functioning economy. Therefore, a detailed and objective analysis of regional and sectoral trends in global mining production is crucial for a forward looking minerals policy. This can help to identify potential short or medium-term supply risks.

Although the geological availability of minerals is relatively high, both geopolitical and economic challenges can hypothetically lead to a shortage of mineral resources. In order to enhance the competitiveness of European industry, the European Union focuses on innovative solutions along the entire value chain. This reduces import dependency on raw materials especially those critical metals needed for high-technology applications and secures the supply of affordable resources in the long term.

Detailed knowledge of mineral production, market concentrations and the resulting trends are important for political decision-making in this field. Therefore, I am delighted that the annual publication "World Mining Data" serves as a valuable foundation for renowned national and international institutions contributing to commodity forecasts. In this way, the Federal Ministry of Science, Research and Economy of Austria provides an important contribution to international resource policy.

I would like to express my gratitude to Austrian representations abroad as well as to international institutions for their support and active participation regarding this publication.

"Glück Auf!"

A handwritten signature in black ink, reading "Reinhold Mitterlehner". The script is fluid and cursive, with a large, stylized 'M'.

Dr. Reinhold Mitterlehner  
Vice-Chancellor and Federal Minister of Science, Research and Economy



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# Explanation

## 1. Mineral Raw Materials

The mineral materials included in this report are arranged in five groups:

- Iron and Ferro-Alloy Metals
- Non-Ferrous Metals
- Precious Metals
- Industrial Minerals
- Mineral Fuels

### **Iron and Ferro-Alloy Metals:**

Iron, Chromium, Cobalt, Manganese, Molybdenum, Nickel, Niobium, Tantalum, Titanium, Tungsten, Vanadium

### **Non-Ferrous Metals:**

Aluminium, Antimony, Arsenic, Bauxite, Bismuth, Cadmium, Copper, Gallium, Germanium, Lead, Lithium, Mercury, Rare Earth Minerals, Rhenium, Selenium, Tellurium, Tin, Zinc

### **Precious Metals:**

Gold, Platinum-Group Metals (Palladium, Platinum, Rhodium), Silver

### **Industrial Minerals:**

Asbestos, Baryte, Bentonite, Boron Minerals, Diamond (Gem/Industrial), Diatomite, Feldspar, Fluorspar, Graphite, Gypsum and Anhydrite, Kaolin (China-Clay), Magnesite, Perlite, Phosphates (incl. Guano), Potash, Salt, Sulfur, Talc (incl. Steatite and Pyrophyllite), Vermiculite, Zircon

### **Mineral Fuels:**

Steam Coal (incl. Anthracite and Sub-Bituminous Coal), Coking Coal, Lignite, Natural Gas, Crude Petroleum, Oil Sands, Oil Shales, Uranium

## 2. Definitions

Mineral Raw Materials are mineral constituents of the earth's crust of economic value. In the most comprehensive sense this includes the so-called "mine output" as well as the output from processing at or near the mines (for instance, the up-grading of ores to concentrates).

Primary Materials are marketable products obtained by processing crude minerals (usually up to the first processing stage only).

Contents of output are mostly calculated empirically (see Chapter 3).

### Weights and Measures:

1 metric ton (metr. t)	=	1 000 kg
1 short ton (short t)	=	907.2 kg
1 long ton (long t)	=	1 016.047 kg
1 pound (lb)	=	0.4536 kg
1 troy ounce (oz)	=	31.1035 g
1 carat (ct)	=	200 mg

### Conversion table:

#### Volume units:

1 Cubic foot (ft <sup>3</sup> )	=	Cubic meter (m <sup>3</sup> )*0.028317
1 Cubic meter (m <sup>3</sup> )	=	Cubic foot (ft <sup>3</sup> )*35.31467
1 US (=petroleum) barrel (bbl)	=	42 liquid US gallons=158.98 l
1 flask Mercury	=	76 lb = 34.5 kg

#### Conversion for salt brine:

$$1 \text{ m}^3 \times 0.3 = 1 \text{ metr. t}$$

#### Conversion factor natural gas:

$$1 \text{ m}^3 = 0.8 \text{ kg} = 0.0008 \text{ metr. t}$$

#### Conversion for crude petroleum (approximate method):

7.33 bbl (barrel)	=	1 metr. t
1 bbl	=	0.1364 metr. t
1 bbl/d	≈	49.8 metr. t/a

Pakistan's official conversion of domestic crude oil is 7.6 bbl = 1 metr. t

#### Conversion factor lignite (metr. t to t CE = coal equivalents):

Greece, Macedonia .....	0.19
Germany .....	0.29
Afghanistan, Algeria, Argentina, Bangladesh, Belgium, Belarus, Bhutan, Botswana, Brazil, Burundi, Central African Republic, Chile, Colombia, Costa Rica, Cuba, Czech Republic, Dominican Republic, Ecuador, Egypt, Ethiopia, Falkland/Malvinas Islands, Finland, Georgia, Haiti, Honduras, Indonesia, Iran, Ireland, Israel, Jamaica, Kazakhstan, Korea North, Korea South, Kyrgyzstan, Malawi, Malaysia, Mali, Mexico, Mongolia, Morocco, Mozambique, Nepal, Netherlands, New Caledonia, Niger, Norway, Oman, Poland, Rwanda, Sierra Leone, Slovakia, South Africa, Spain, Sri Lanka, St. Vincent/Grenadine, Swaziland, Sweden, Taiwan, Tajikistan, Tanzania, Turkmenistan,	

Remaining Eastern Asia (SWL), Remaining Eastern Europe, former USSR/CIS, Ukraine, United Kingdom, Uruguay, Uzbekistan, Venezuela, Zaire, Zambia, Zimbabwe .....	0.30
Bosnia-Herzegovina, Croatia, Kosovo, Serbia and Montenegro, Slovenia, former Yugoslavia .....	0.32
Australia, Cambodia, Denmark, India, Japan, Laos, Madagascar, Myanmar, Nigeria, Pakistan, Peru, Philippines, Romania, Thailand, Turkey, Vietnam .....	0.33
Italy .....	0.36
China, France, Hungary .....	0.40
Russia .....	0.45
Albania, Austria, Bulgaria, Canada, New Zealand, United States of America .....	0.50
Portugal .....	0.58

Conversion factor hard coal (steam coal, coking coal) (metr. t to t CE = coal equivalents):

Czech Republic .....	0.60
Indonesia .....	0.65
Armenia, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Ukraine, Uzbekistan .....	0.66
Cameroon, Chile, Ecuador, Pakistan, St. Vincent/Grenadines, Sweden .....	0.70
India .....	0.71
China, Remaining Eastern Asia .....	0.72
Croatia, Serbia and Montenegro, former Yugoslavia .....	0.76
Spain .....	0.77
Japan, Nigeria .....	0.78
Afghanistan, Albania, Algeria, Argentina, Bangladesh, Bhutan, Bolivia, Bosnia-Herzegovina, Botswana, Brazil, Bulgaria, Burundi, Cambodia, Central African Republic, Costa Rica, Cuba, Denmark, Dominican Republic, Egypt, Ethiopia, Falkland/Malvinas Islands, Finland, Greece, Haiti, Honduras, Hungary, Iran, Ireland, Israel, Italy, Jamaica, Korea North, Korea South, Laos, Madagascar, Malawi, Malaysia, Mali, Mexico, Moldova, Mongolia, Morocco, Mozambique, Myanmar, Nepal, New Caledonia, New Zealand, Niger, Norway, Oman, Peru, Philippines, Portugal, Remaining Asia, Romania, Russia, Rwanda, Sierra Leone, Sri Lanka, Swaziland, Taiwan, Tanzania, Thailand, Tunisia, Uruguay, Venezuela, Vietnam, Zaire, Zambia, Zimbabwe .....	0.80
United Kingdom .....	0.82
France, Poland, Remaining Africa, South Africa .....	0.85
Belgium, United States of America .....	0.86
Australia .....	0.90
Turkey .....	0.91
Germany, Colombia .....	0.94
Canada .....	0.95

**Sources and accuracy of data (see chapter 6.4):**

- 1 reported figure
- 2 estimated figure
- 3 provisional figure
  
- a Questionnaire
- b US Geological Survey (USGS)
- c World Nuclear Association
- d Kimberley Process Certification Scheme
- e National statistics
- f Metallgesellschaft (until 1998)
- g World Mineral Statistics (until 2006)
- h Mining Annual Review (until 2002)
- j World Oil (until 1996)
- m OECD and ECE
- n Others (Company reports etc.)
- o Oil & Gas Journal
- p IEA
- q International Consultative Group
- r BP plc
- s British Geological Survey

### 3. Details on Contents, Weights, Measures and Values

Mineral raw materials and ore bodies with significant variations in valuable mineral content have been calculated to obtain the actually useable mineral content, e.g. highly variable Fe-contents of iron carbonates and iron oxides. Production figures throughout this report do not (unless otherwise specified) refer to crude ore (ROM/Run of mine) or concentrate produced from it, but indicate the content of recoverable valuable elements and compounds.

Total world production figures (chapter 6.1) do not include Bauxite production as Bauxite is the base raw material in Aluminium production. Production figures for Bauxite can be found in commodity and country statistics (chapter 6.2 ff.).

#### Iron and Ferro-Alloy Metals:

Iron	Fe	metr. t
Chromium	Cr <sub>2</sub> O <sub>3</sub>	metr. t
Cobalt	Co	metr. t
Manganese	Mn	metr. t
Molybdenum	Mo	metr. t
Nickel	Ni	metr. t
Niobium	Nb <sub>2</sub> O <sub>5</sub>	metr. t
Tantalum	Ta <sub>2</sub> O <sub>5</sub>	metr. t
Titanium	TiO <sub>2</sub>	metr. t
Tungsten	W	metr. t
Vanadium	V <sub>2</sub> O <sub>5</sub>	metr. t

#### Non-Ferrous Metals:

Aluminium	Al, smelter prod.	metr. t
Antimony	Sb	metr. t
Arsenic	As <sub>2</sub> O <sub>3</sub>	metr. t
Bauxite	crude ore	metr. t
Bismuth	Bi	metr. t
Cadmium	Cd, smelter prod.	metr. t
Copper	Cu	metr. t
Gallium	Ga	metr. t
Germanium	Ge	metr. t
Lead	Pb	metr. t
Lithium	Li <sub>2</sub> O	metr. t
Mercury	Hg	metr. t
Rare Earth Minerals	REO	metr. t
Rhenium	Re	kg
Selenium	Se	metr. t
Tellurium	Te	metr. t
Tin	Sn	metr. t
Zinc	Zn	metr. t

**Precious Metals:**

Gold	Au	kg
Palladium	Pd	kg
Platinum	Pt	kg
Rhodium	Rh	kg
Silver	Ag	kg

**Industrial Minerals:**

Asbestos		metr. t
Baryte		metr. t
Bentonite		metr. t
Boron minerals		metr. t
Diamonds (Gem)		carats
Diamonds (Ind)		carats
Diatomite		metr. t
Feldspar		metr. t
Fluorspar		metr. t
Graphite		metr. t
Gypsum and Anhydrite		metr. t
Kaolin (China-Clay)		metr. t
Magnesite		metr. t
Perlite		metr. t
Phosphates	P <sub>2</sub> O <sub>5</sub>	metr. t
Potash	K <sub>2</sub> O	metr. t
Salt (rock salt, brines, marine salt)		metr. t
Sulfur (elementar and industrial sulfur)		metr. t
Talc, Steatite and Pyrophyllite		metr. t
Vermiculite		metr. t
Zircon	Conc.	metr. t

**Mineral Fuels:**

Steam coal (incl. anthracite, bituminous and sub-bituminous coal)		metr. t
Coking coal		metr. t
Lignite		metr. t
Natural Gas		Mio m <sup>3</sup>
Oil Sands	crude	metr. t
Oil Shales		metr. t
Petroleum	crude	metr. t
Uranium	U <sub>3</sub> O <sub>8</sub>	metr. t

## Commodity Prices:

Sources of annual averages:

- Metall Bulletin
- Industrial Minerals
- BGR-Rohstoffdatenbank, 2016; Bundesanstalt für Geowissenschaften und Rohstoffe, Deutschland
- U.S. Geological Survey
- Kitco Metals Inc.
- Metal-Pages
- Cameco Corporation
- IEA: Coal Information
- U.S. Energy Information Administration / Monthly Energy

## 4. Regional and Sectoral Groups

### 4.1 Development Status of Producer Countries

An attempt was made to identify the development status of all countries that produce mineral raw materials. The different producer countries were classified according to international standards considering in particular UNCTAD and IIASA classifications. The classification has been adopted for statistical convenience only (see fig. 5).

Important note: The designations "developed", "in transition" and "developing" are intended for statistical convenience and do not necessarily express a judgement about the stage reached by a particular country or area in the development process. Where the designations "economy" or "country or area" appear in tables, they cover countries, territories, cities and areas.

#### **Developed, developing countries:**

According OECD GLOSSARY OF STATISTICAL TERMS

There is no established convention for the designation of "developed" and "developing" countries or areas in the United Nations system. In common practice, Japan in Asia, Canada and the United States in northern America, Australia and New Zealand in Oceania and Europe are considered "developed" regions or areas. In international trade statistics, the Southern African Customs Union is also treated as developed region and Israel as a developed country; countries emerging from the former Yugoslavia are treated as developing countries; and countries of Eastern Europe and the former USSR countries in Europe are not included under either developed or developing regions (see economies in transition). For detailed list of developing countries see

<http://unstats.un.org/unsd/methods/m49/m49regin.htm>.

*Source:* United Nations. Standard country or Area Codes for Statistical Use. Series M, No. 49, Rev. 4 (United Nations publication, Sales No. M.98.XVII.9).

#### **Least Developed Countries:**

According OECD GLOSSARY OF STATISTICAL TERMS

According to the General Assembly, on the recommendation of the Committee for Development Policy, countries listed below are included in the list of the least developed countries (year in brackets indicates the inclusion in the group):

Africa: Angola (1994), Benin (1971), Burkina Faso (1971), Burundi (1971), Central African Republic (1975), Chad (1971), Comoros (1977), Congo, D.R. (1991), Djibouti (1982), Equatorial Guinea (1982), Eritrea (1994), Ethiopia (1971), Gambia (1975), Guinea (1971), Guinea-Bissau (1981), Lesotho (1971), Liberia (1990), Madagascar (1991), Malawi (1971), Mali (1971), Mauritania (1986), Mozambique (1988), Niger (1971), Rwanda (1971), Sao Tome and Principe (1982), Senegal (2000), Sierra Leone (1982), Somalia (1971), South Sudan (2012), Sudan (1971), Tanzania (1971), Togo (1982), Uganda (1971), Zambia (1991)

Asia and the Pacific: Afghanistan (1971), Bangladesh (1975), Bhutan (1971), Cambodia (1991), Kiribati (1986), Laos P.D.R. (1971), Myanmar (1987), Nepal (1971), Solomon Islands (1991), East Timor (2003), Tuvalu (1986), Vanuatu (1985), Yemen (1971)  
Latin America and the Caribbean: Haiti (1971)

*Source:* United Nations. Office of the High Representative for the Least Developed Countries, Landlocked Developing Countries and Small Island Developing States (OHRLLS). United Nations Internet site [www.un.org](http://www.un.org)

### **Economies in Transition:**

According UNCTAD HANDBOOK OF STATISTICS (2016)

Asia: Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan

Europe: Albania, Belarus, Bosnia-Herzegovina, Kosovo, Moldova, Montenegro, Russia, Serbia, Macedonia, Ukraine

## **4.2 Regional Groups of Producer Countries**

### **CPE: (Centrally Planned Economies)**

China, Cuba, Korea North, Mongolia, Vietnam

### **World Regions: (according to IIASA)**

see fig. 3;

CAS - Central Asia: Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, Uzbekistan

CPA - China & CPA: Cambodia, China, Hong Kong, Korea North, Laos, Mongolia, Taiwan, Vietnam

EEU - Eastern Europe: Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Kosovo, Macedonia, Montenegro, Poland, Romania, Slovakia, Slovenia, former Yugoslavia

FSU - Former Soviet Union: Armenia, Azerbaijan, Belarus, Estonia, Georgia, Latvia, Lithuania, Moldova, Russian Federation, Ukraine

LAM - Latin America: Antigua & Barbuda, Argentina, Bahamas, Barbados, Belize, Bermuda, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, French Guiana, Grenada, Guadeloupe, Guatemala, Guyana, Haiti, Honduras, Jamaica, Martinique, Mexico, Netherlands Antilles, Nicaragua, Panama, Paraguay, Peru, St. Kitts & Nevis, St. Lucia, St. Vincent, Suriname, Trinidad & Tobago, Uruguay, Venezuela

MEA - Middle East: Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, Yemen

NAF - North Africa: Algeria, Egypt, Libya, Morocco, South Sudan, Sudan, Tunisia

NAM - North America: Canada, Guam, Puerto Rico, Virgin Islands, United States of America

PAO - Pacific OECD: Australia, Japan, New Zealand

PAS - Pacific Asia: American Samoa, Brunei, East Timor, Fiji, French Polynesia, Indonesia, Kiribati, Korea South, Malaysia, Myanmar, New Caledonia, Papua New Guinea, Philippines, Singapore, Solomon Islands, Thailand, Tonga, Vanuatu, Western Samoa

SAS - South Asia: Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

SSA - Sub-Saharan Africa: Angola, Benin, Botswana, British Indian Ocean Territory, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo D.R., Congo Rep., Cote d'Ivoire, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Réunion, Rwanda, St. Helena, Sao Tomé and Príncipe, Senegal, Sierra Leone, Seychelles, Somalia, South Africa, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

WEU - Western Europe: Andorra, Austria, Azores, Belgium, Canary Islands, Cyprus, Denmark, Faroe Islands, Finland, France, Germany, Gibraltar, Greece, Greenland, Iceland, Ireland, Isle of Man, Italy, Liechtenstein, Luxembourg, Madeira, Malta, Monaco, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom

Apart from these, the membership of various countries in different economic blocks or other cartel-like associations was taken into consideration.

### 4.3 Economic Blocks or Cartel-like Associations

Economic blocks or cartel-like associations were included as follows (in alphabetical order, in brackets year of entry):

**ACP Countries: African, Caribbean and Pacific group of states linked to the European Communities as signatory to the Georgetown Agreement and the Lomé Conventions.**

Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Congo D.R., Congo Rep., Côte d'Ivoire, Djibouti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Sao Tome and Principe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

Caribbean: Antigua-Barbuda, Bahamas, Barbados, Belize, Cuba, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, St. Kitts-Nevis, St. Lucia, St. Vincent-Grenadines, Suriname, Trinidad and Tobago

Pacific: Cook Islands, Fiji, Kiribati, Marshall Islands, Micronesia, Nauru, Niue, East Timor, Palau, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu

**ASEAN Countries: Ass. of South East Asian Nations**

Brunei (1984), Cambodia (1999), Indonesia, Laos (1997), Malaysia, Myanmar (1997), Philippines, Singapore, Thailand, Vietnam (1995)

**BRICS Countries:**

A 2003 from Goldman Sachs chief economist O'Neill created modern term of primary four major emerging economies with annual growth rates of economic performance by 5 to 10%. BRICS stands for the initials of the countries of Brazil, Russia, India and China. South Africa joined in 2011.

**EC (EU): European Community**

Austria (1995), Belgium (1952/58), Bulgaria (2007), Croatia (2013), Cyprus (2004), Czech Republic (2004), Denmark (1973), Estonia (2004), Finland (1995), France (1952/58), Germany (1952/58), Greece (1981), Hungary (2004), Ireland (1973), Italy (1952/58), Latvia (2004), Lithuania (2004), Luxemburg (1952/58), Malta (2004),

Netherlands (1952/58), Poland (2004), Portugal (1986), Romania (2007), Slovakia (2004), Slovenia (2004), Spain (1986), Sweden (1995), United Kingdom and North Ireland (1973)

#### **EFTA: European Free Trade Association**

Austria (until 1994), Denmark (until 1973), Finland (until 1994), Iceland, Liechtenstein, Norway, Portugal (until 1986), Sweden (until 1994), Switzerland, United Kingdom (until 1973)

#### **G8/G7: Group of the Most Important Industrialized Countries**

[G7 (1976): Canada, Germany, France, Italy, Japan, United Kingdom, United States of America] including Russia (1998-2013)

#### **MERCOSUR (Mercado Comun del Sur): Common Market of the South**

Treaty since January 1, 1995 between Argentina, Brazil, Paraguay and Uruguay establishing a common market; Venezuela joined MERCOSUR in July 2006; associated members: Bolivia, Chile, Colombia, Ecuador, Peru

#### **NAFTA: North American Free Trade Agreement**

Canada, Mexico, United States of America

This association was established on January 1, 1994.

#### **OECD: Organization for Economic Cooperation and Development**

Australia (1971), Austria (1961), Belgium (1961), Canada (1961), Chile (2010), Czech Republic (1995), Denmark (1961), Estonia (2010), Finland (1969), France (1961), Germany (1961), Greece (1961), Hungary (1996), Iceland (1961), Ireland (1961), Israel (2010), Italy (1961), Japan (1964), Korea, South (1996), Latvia (2016), Luxemburg (1961), Mexico (1994), Netherlands (1961), New Zealand (1973), Norway (1961), Poland (1996), Portugal (1961), Slovakia (2000), Slovenia (2010), Spain (1961), Sweden (1961), Switzerland (1961), Turkey (1961), United Kingdom (1961), United States of America (1961)

#### **SADC: Southern African Development Community**

Angola, Botswana, Congo D.R. (1997), Lesotho, Madagascar (2005-2009, 2014), Malawi, Mauritius (1995), Mozambique, Namibia (1990), Seychelles (1997-2004, 2008) South Africa (1994), Swaziland, Tanzania, Zambia, Zimbabwe

## **4.4 Political Stability of Producer Countries**

The worldwide Governance Indicators rely on 31 data sources, including surveys of enterprises and citizens, and expert polls, gathered from 25 different organizations around the world (D. KAUFMANN, A. KRAAY & M. MASTRUZZI 2010). These provide data derived from hundreds of questions about governance. Before aggregation is carried out each question is mapped to one of six dimensions of governance: (1) Voice and Accountability; (2) Political Stability and Absence of Violence; (3) Government Effectiveness; (4) Regulatory Quality; (5) Rule of Law; (6) Control of Corruption, before the aggregation is carried out:

Definition of political stability and absence of violence: A measure of the perception of the likelihood that the government will be destabilized or overthrown by unconstitutional or violent means, including political violence and terrorism.

The values of measurement are indexed with a mean of zero and a standard deviation of one in each period. Virtually all scores lie between -2.5 and +2.5, with higher scores

corresponding to better outcomes. The aggregate estimates convey no information about trends in global averages of governance but they are, of course, informative about changes in individual countries over time.

Classes of political stability used in WMD: Estimates  $\leq -1.25$ : extremely unstable;  $\leq 0$  to  $-1.25$ : unstable;  $> 0$  to  $+1.25$ : fair;  $\geq +1.25$ : stable; (see fig. 6)

#### More information:

Kaufmann, Daniel, Kraay, Aart and Mastruzzi, Massimo, The Worldwide Governance Indicators: Methodology and Analytical Issues (September 2010). World Bank Policy Research Working Paper No. 5430. Available at SSRN: <http://ssrn.com/abstract=1682130>

## 4.5 Minerals Production by GNI (Gross National Income) of Producer Countries

For analytical purposes, World bank member economies and all other economies with populations of more than 30 000 inhabitants have been grouped annually according to GNI. Economies are classified annually among income groups to gross national income (GNI) per capita, using the World Bank Atlas method of calculation. The groups are: low income, lower middle income, upper middle income, high income.

	1984	1985 see 1987	1986	1987	1988	1989	1990	1991	1992	1993
L	-	-	-	$\leq 480$	$\leq 545$	$\leq 580$	$\leq 610$	$\leq 635$	$\leq 675$	$\leq 695$
LM	-	-	-	$\leq 1\ 940$	$\leq 2\ 200$	$\leq 2\ 335$	$\leq 2\ 465$	$\leq 2\ 555$	$\leq 2\ 695$	$\leq 2\ 785$
UM	-	-	-	$\leq 6\ 000$	$\leq 6\ 000$	$\leq 6\ 000$	$\leq 7\ 620$	$\leq 7\ 910$	$\leq 8\ 355$	$\leq 8\ 625$
H	-	-	-	$> 6\ 000$	$> 6\ 000$	$> 6\ 000$	$> 7\ 620$	$> 7\ 910$	$> 8\ 355$	$> 8\ 625$
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
L	$\leq 725$	$\leq 765$	$\leq 785$	$\leq 785$	$\leq 760$	$\leq 755$	$\leq 755$	$\leq 745$	$\leq 735$	$\leq 765$
LM	$\leq 2\ 895$	$\leq 3\ 035$	$\leq 3\ 115$	$\leq 3\ 125$	$\leq 3\ 030$	$\leq 2\ 995$	$\leq 2\ 995$	$\leq 2\ 975$	$\leq 2\ 935$	$\leq 3\ 035$
UM	$\leq 8\ 955$	$\leq 9\ 385$	$\leq 9\ 645$	$\leq 9\ 655$	$\leq 9\ 360$	$\leq 9\ 265$	$\leq 9\ 265$	$\leq 9\ 205$	$\leq 9\ 075$	$\leq 9\ 385$
H	$> 8\ 955$	$> 9\ 385$	$> 9\ 645$	$> 9\ 655$	$> 9\ 360$	$> 9\ 265$	$> 9\ 265$	$> 9\ 205$	$> 9\ 075$	$> 9\ 385$
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
L	$\leq 825$	$\leq 875$	$\leq 905$	$\leq 935$	$\leq 975$	$\leq 996$	$\leq 1\ 005$	$\leq 1\ 025$	$\leq 1\ 035$	$\leq 1\ 045$
LM	$\leq 3\ 255$	$\leq 3\ 465$	$\leq 3\ 595$	$\leq 3\ 705$	$\leq 3\ 855$	$\leq 3\ 945$	$\leq 3\ 975$	$\leq 4\ 035$	$\leq 4\ 085$	$\leq 4\ 125$
UM	$\leq 10\ 065$	$\leq 10\ 725$	$\leq 11\ 115$	$\leq 11\ 455$	$\leq 11\ 905$	$\leq 12\ 196$	$\leq 12\ 275$	$\leq 12\ 475$	$\leq 12\ 615$	$\leq 12\ 745$
H	$> 10\ 065$	$> 10\ 725$	$> 11\ 115$	$> 11\ 455$	$> 11\ 905$	$> 12\ 196$	$> 12\ 275$	$> 12\ 475$	$> 12\ 615$	$> 12\ 745$
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
L	$\leq 1\ 045$	$\leq 1\ 025$								
LM	$\leq 4\ 125$	$\leq 4\ 035$								
UM	$\leq 12\ 735$	$\leq 12\ 475$								
H	$> 12\ 735$	$> 12\ 475$								

From: World Bank Analytical Classification World Development Indicators GNI per capita in US\$: <http://blogs.worldbank.org/opendata/new-country-classifications>

## 4.6 Concentration of Producer Countries

The Herfindahl-Hirschman Index (HHI) is a commonly accepted and used measure of market concentration. It is calculated by squaring the market share of each firm competing in the market and then summing the resulting numbers. Only one firm means 100% market share. In this case the HHI would equal 10 000 ( $100^2$ ), indicating a monopoly. A market consisting of 4 companies with shares of 50%, 30%, 15% and 5%, results in a HHI of  $(50^2 + 30^2 + 15^2 + 5^2) = 3\,650$ . The HHI takes into account the relative size and distribution of the firms in a market and approaches zero when a market consists of a large number of firms of relatively equal size. The HHI increases both as the number of firms in the market decreases and as the disparity in size between those firms increases.

In the United States markets in which the HHI is between 1 000 and 1 800 points are considered to be moderately concentrated, and those in which the HHI is in excess of 1 800 points are considered to be concentrated. In the EU the threshold to concentrated markets is 2 000.

In chapter 6.5 the concentration of producer countries is calculated by the HHI similarly to the firms index. To avoid misunderstandings with the “classical” HHI, the countries concentration index is named as  ${}_{(mod)}HHI_{(ct)}$ .

## 5. Data Capture

Collection of data relating to mineral raw materials has been carried out by evaluation of questionnaires sent to the National Committees of member countries of the World Mining Congress as well as to other bodies such as Embassies, Foreign Trade Representatives etc. Use has been made of other official mining statistics in cases where they are publically available; for example, data produced by the British Geological Survey (World Mineral Statistics), also the USGS data sets have been very useful.

For the present publication the complete data set has been reviewed carefully. Despite a diligent search of all sources, there are some producing areas where data are unavailable. In such instances, careful estimates of production have been made.

Although data processing has been done automatically, the possibility exists of human error at the data entry stage. Since the data base is being continuously updated the compilers would be grateful to learn of any corrections and additions that can be made.

**Deadline: February 28, 2017**

Data received later than February 28, 2017 will be implemented in the next edition of this report.

Please send any remarks to

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### **Disclaimer:**

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The BMWFW makes no warranties, either express or implied, concerning the accuracy, completeness, or reliability of the information.

# Charts

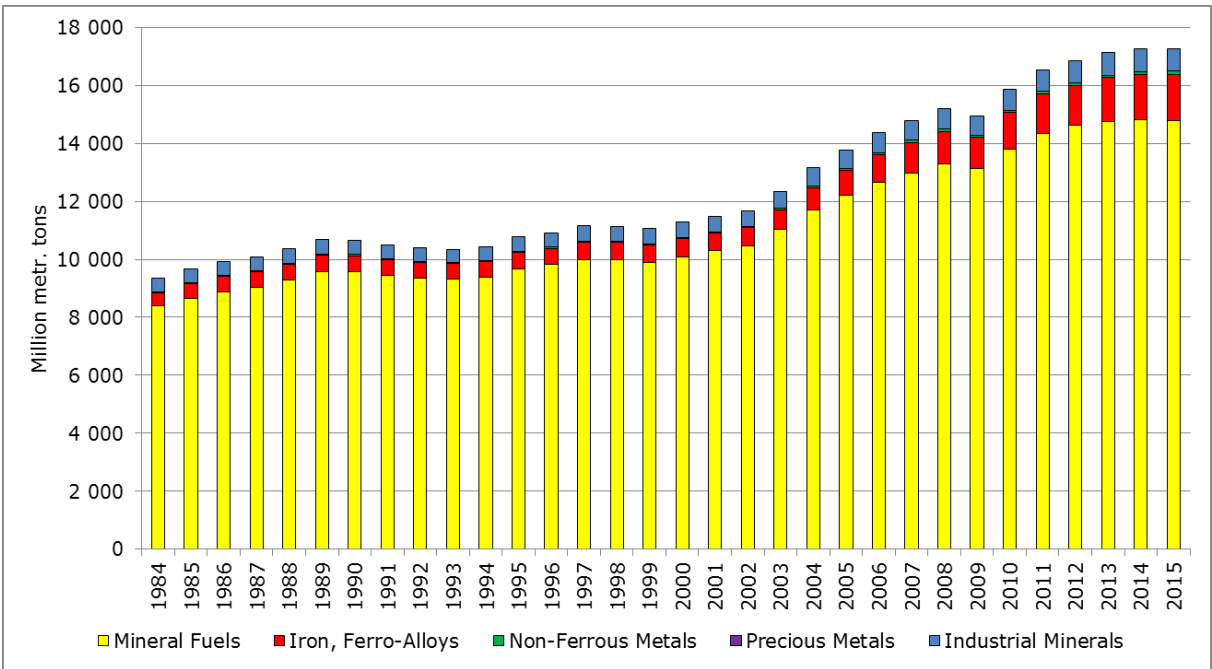


Fig. 1: World mining production 1984 - 2015 by groups of minerals (without construction minerals, in Million metr. t)

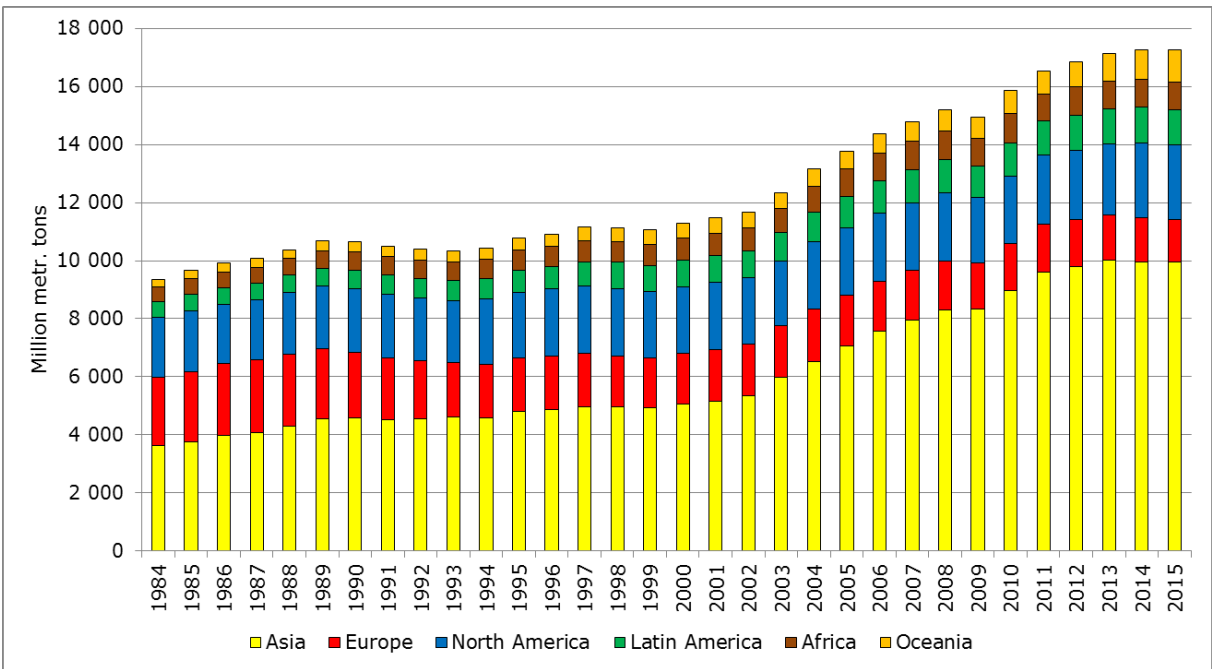


Fig. 2: World mining production 1984 - 2015 by continents (without construction minerals, in Million metr. t)

## Charts

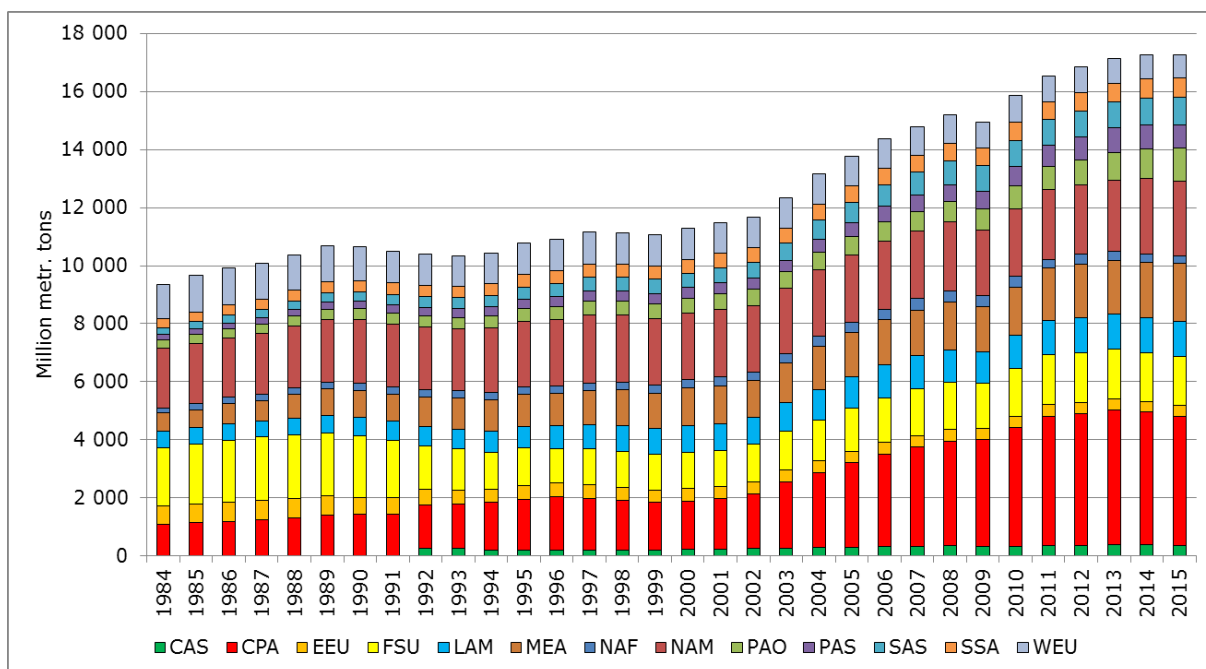


Fig. 3: World mining production 1984 - 2015 by world regions (acc. IIASA)  
(without construction minerals, in Million metr. t)

CAS - Central Asia; CPA - China & CPA; EEU - Eastern Europe; FSU - Former Soviet Union; LAM - Latin America; MEA - Middle East; NAF - North Africa; NAM - North America; PAO - Pacific OECD; PAS - Pacific Asia; SAS - South Asia; SSA - Sub-Saharan Africa; WEU - Western Europe

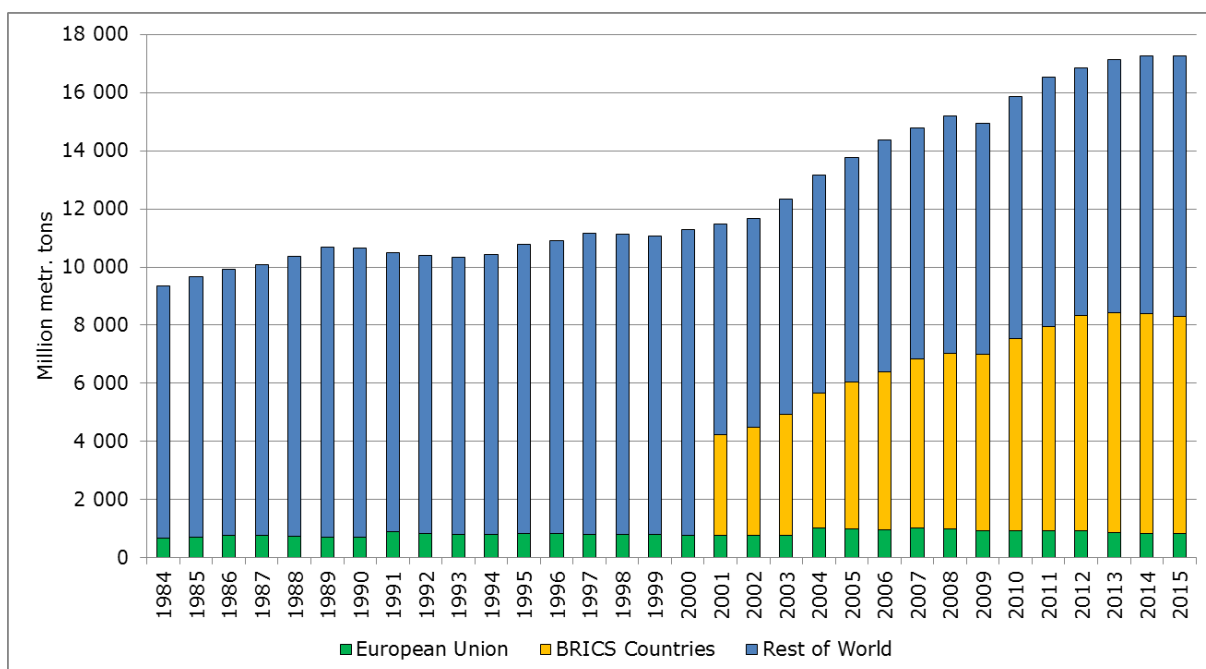


Fig. 4: World mining production 1984 - 2015 by economic blocks or cartel-like associations:  
European Union, BRICS Countries (without construction minerals, in Million metr. t)

## Charts

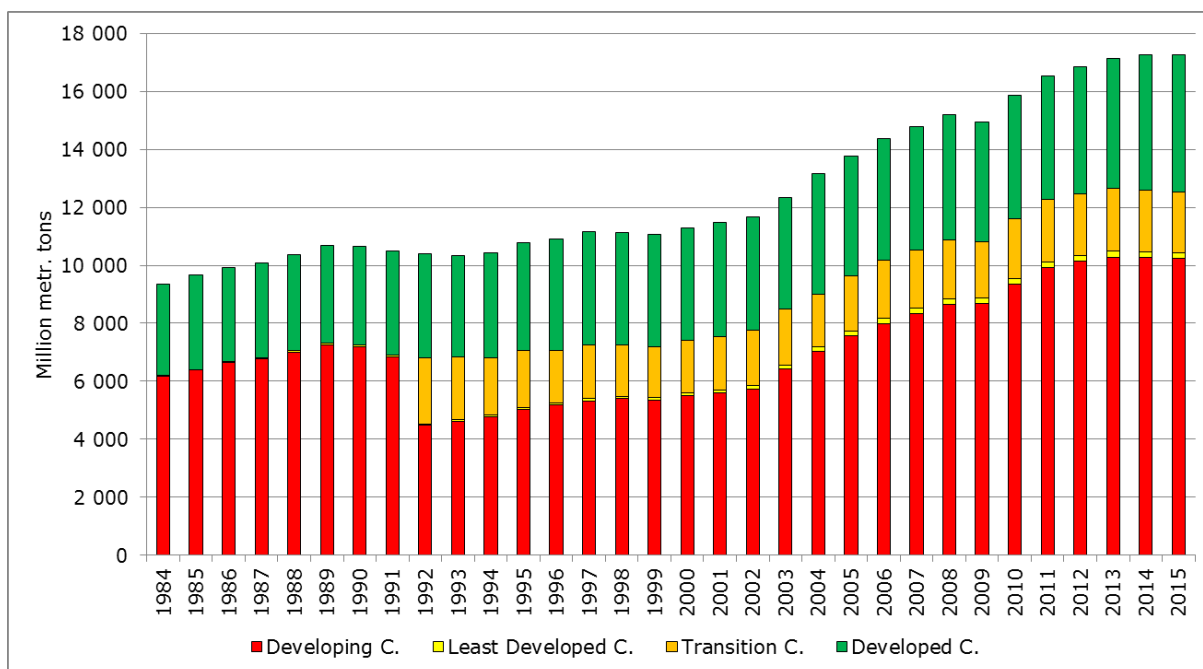


Fig. 5: World mining production 1984 - 2015 by development status of the producer countries (without construction minerals, in Million metr. t)

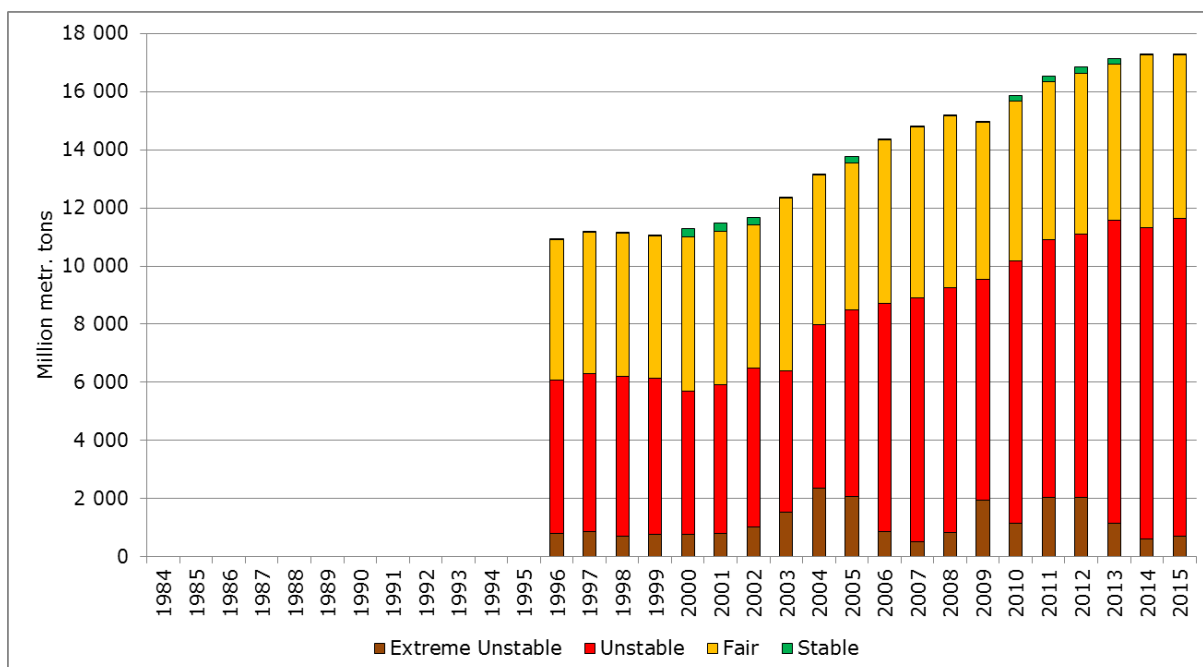


Fig. 6: World mining production 1984 - 2015 by political stability of the producer countries (without construction minerals, in Million metr. t)

Estimates conc. political stability of producer countries: WORLD BANK, Governance matters IX

## Charts

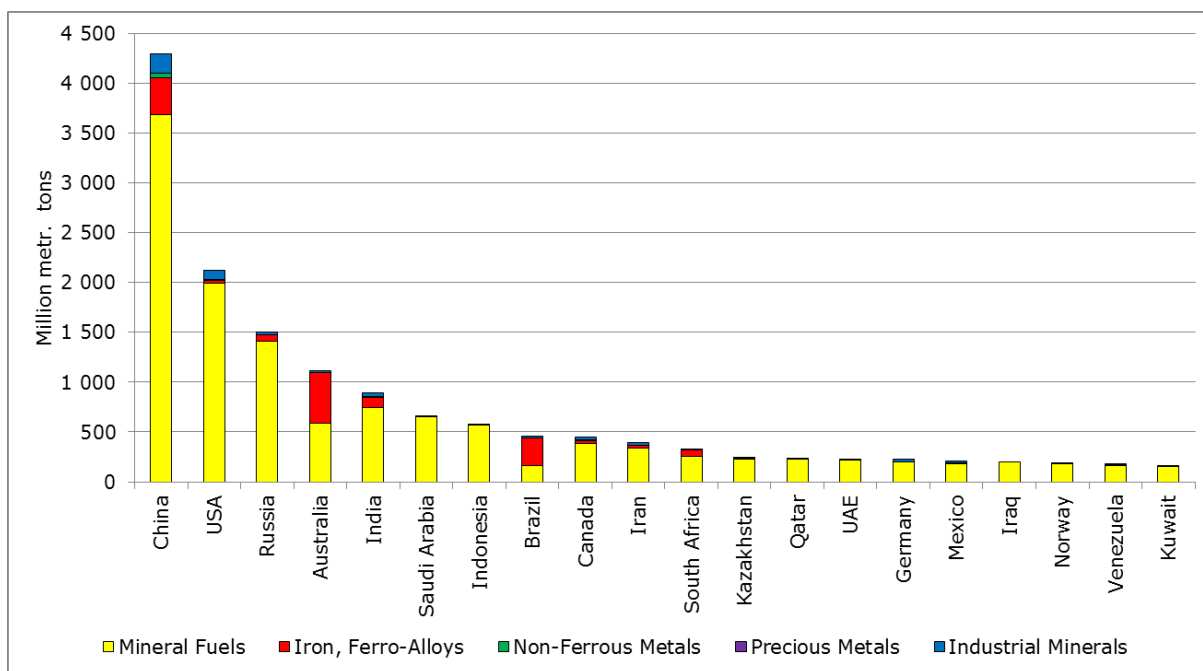


Fig. 7: 20 largest producer countries 2015 (without construction minerals, in Million metr. t)

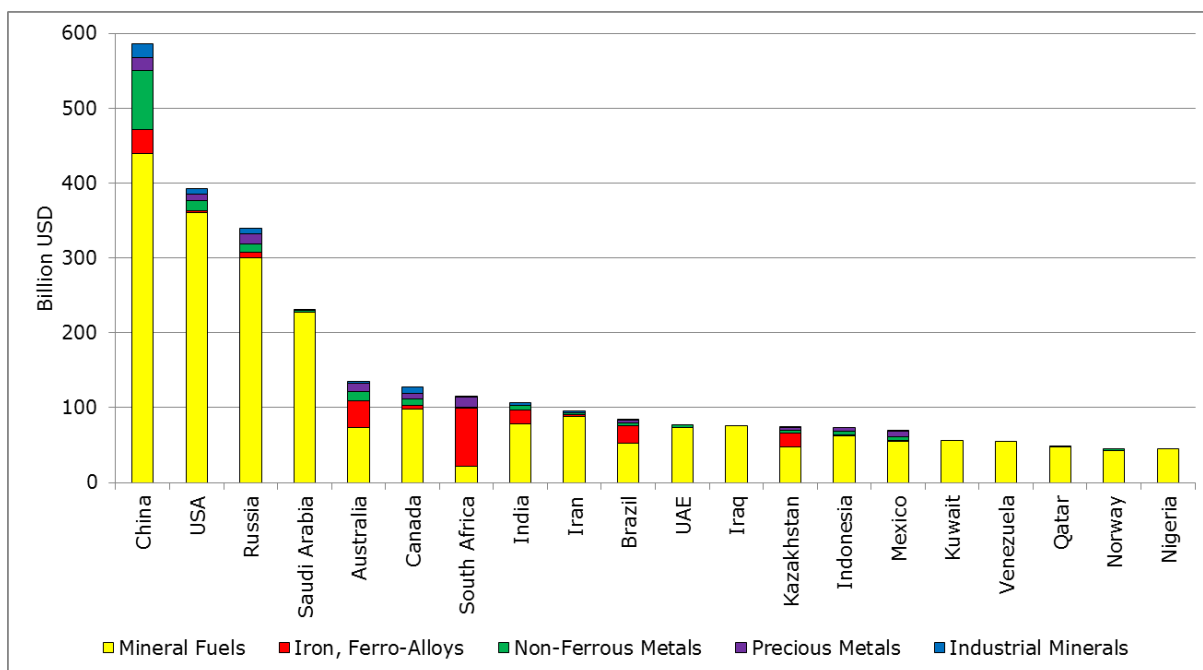


Fig. 8: 20 largest producer countries 2015 (without construction minerals, in Billion USD)

# Data

## 6. World Production of Mineral Raw Materials

### 6.1 Total World Production

#### 6.1.1 Total Minerals Production, by Continents

	(not included bauxite) in metr. t				
	1984	1985	1986	1987	1988
Africa	491 276 721	553 610 942	560 388 341	558 160 627	578 419 742
Asia	3 629 652 310	3 748 971 830	3 977 354 418	4 088 021 872	4 289 363 196
Europe	2 344 219 457	2 435 115 220	2 471 871 440	2 485 808 994	2 473 446 291
Latin America	566 688 936	571 597 540	576 852 087	561 157 008	588 025 283
North America	2 059 858 850	2 072 210 148	2 031 378 650	2 076 380 706	2 145 067 916
Oceania	254 304 717	280 585 462	293 089 049	322 496 570	304 198 195
Total	9 346 000 991	9 662 091 142	9 910 933 985	10 092 025 777	10 378 520 623
	1989	1990	1991	1992	1993
Africa	611 692 065	629 184 775	645 648 838	631 546 032	641 420 973
Asia	4 542 976 249	4 581 111 967	4 536 760 883	4 556 779 138	4 620 564 614
Europe	2 425 890 061	2 262 094 481	2 125 370 445	1 991 362 637	1 878 025 840
Latin America	611 810 993	644 455 639	659 768 624	668 023 660	686 093 646
North America	2 153 501 234	2 193 925 543	2 171 842 935	2 169 517 257	2 128 615 209
Oceania	332 206 731	349 502 818	363 875 775	369 160 508	381 050 782
Total	10 678 077 333	10 660 275 223	10 503 267 500	10 386 389 232	10 335 771 064
	1994	1995	1996	1997	1998
Africa	652 564 811	686 913 816	680 830 161	713 245 470	718 731 335
Asia	4 596 421 153	4 822 424 867	4 882 020 397	4 970 408 515	4 967 935 147
Europe	1 829 599 528	1 836 558 823	1 836 042 171	1 831 925 570	1 750 795 285
Latin America	723 414 231	746 551 891	788 668 369	829 834 068	897 285 079
North America	2 246 327 973	2 257 871 963	2 300 299 609	2 335 554 275	2 325 691 206
Oceania	394 043 051	416 271 233	431 444 514	464 933 988	474 888 414
Total	10 442 370 747	10 766 592 593	10 919 305 221	11 145 901 886	11 135 326 466

**Abbreviations:** see Explanation

	1999	2000	2001	2002	2003
Africa	732 135 518	765 702 331	773 433 662	781 625 699	833 848 799
Asia	4 924 510 040	5 050 224 189	5 171 449 897	5 353 312 941	5 969 838 523
Europe	1 724 963 219	1 757 375 135	1 754 754 434	1 778 171 231	1 776 788 494
Latin America	893 953 946	919 701 536	922 113 642	927 514 165	961 412 793
North America	2 293 470 914	2 284 170 874	2 319 958 779	2 284 273 980	2 253 609 895
Oceania	492 670 070	517 125 075	539 619 218	553 396 978	552 944 474
Total	11 061 703 707	11 294 299 140	11 481 329 632	11 678 294 994	12 348 442 978
	2004	2005	2006	2007	2008
Africa	889 067 859	943 073 714	957 603 842	972 895 788	991 937 152
Asia	6 537 363 245	7 072 097 987	7 557 360 455	7 954 033 374	8 286 983 230
Europe	1 786 038 061	1 746 329 516	1 723 666 515	1 714 406 759	1 692 279 253
Latin America	1 039 779 479	1 079 858 711	1 123 355 810	1 142 410 408	1 131 847 305
North America	2 314 662 973	2 308 717 247	2 345 742 837	2 332 459 751	2 367 026 228
Oceania	593 202 133	626 746 078	643 999 097	676 452 875	711 554 153
Total	13 160 113 750	13 776 823 253	14 351 728 556	14 792 658 955	15 181 627 321
	2009	2010	2011	2012	2013
Africa	958 556 179	1 003 909 092	921 453 507	985 160 506	951 918 650
Asia	8 327 481 890	8 983 004 247	9 617 220 272	9 793 481 570	10 014 173 009
Europe	1 599 878 098	1 615 188 256	1 630 371 111	1 611 262 984	1 568 402 181
Latin America	1 080 685 657	1 137 680 197	1 181 951 187	1 195 526 779	1 183 199 725
North America	2 255 473 575	2 314 559 756	2 389 906 798	2 393 123 293	2 444 430 828
Oceania	727 421 586	797 258 617	790 727 529	854 031 656	958 116 638
Total	14 949 496 985	15 851 600 165	16 531 630 404	16 832 586 788	17 120 241 031
	2014	2015	2016	2017	2018
Africa	952 976 459	933 400 198			
Asia	9 960 843 999	9 943 982 008			
Europe	1 504 369 980	1 481 935 544			
Latin America	1 213 355 288	1 207 621 082			
North America	2 599 083 407	2 568 568 853			
Oceania	1 030 901 476	1 134 181 099			
Total	17 261 530 609	17 269 688 784			

**Abbreviations:** see Explanation

## 6.1.2 Total Minerals Production, by World Regions (according to IIASA)

	(not included bauxite) in metr. t				
	1984	1985	1986	1987	1988
CAS					
CPA	1 092 737 345	1 159 743 155	1 199 270 888	1 242 781 855	1 308 351 975
EEU	636 434 074	645 554 466	664 780 323	676 584 195	687 098 406
FSU	2 008 661 016	2 051 071 742	2 128 800 679	2 179 901 214	2 169 789 690
LAM	566 658 936	571 565 795	576 815 799	561 120 720	587 988 983
MEA	617 646 032	602 866 147	684 533 208	699 535 348	815 939 476
NAF	174 049 767	217 905 160	215 653 776	216 323 715	220 463 124
NAM	2 059 888 850	2 072 241 893	2 031 414 938	2 076 416 994	2 145 104 216
PAO	280 172 695	306 119 932	318 043 791	344 001 158	323 928 277
PAS	188 340 003	196 551 734	207 290 187	210 048 547	220 299 811
SAS	239 428 915	250 496 548	275 180 380	284 930 463	307 781 867
SSA	317 226 954	335 705 782	344 734 565	341 836 912	357 956 618
WEU	1 164 756 404	1 252 268 788	1 264 415 451	1 258 544 656	1 233 818 180
Total	9 346 000 991	9 662 091 142	9 910 933 985	10 092 025 777	10 378 520 623
	1989	1990	1991	1992	1993
CAS				278 485 561	261 297 553
CPA	1 399 385 077	1 429 792 740	1 448 762 918	1 489 006 532	1 538 722 039
EEU	663 945 884	594 929 160	568 068 077	527 621 664	481 307 898
FSU	2 177 824 838	2 108 196 588	1 970 058 431	1 482 943 178	1 407 815 504
LAM	611 774 693	644 419 639	659 732 624	667 986 660	686 056 646
MEA	910 052 502	929 738 138	919 680 694	1 024 380 578	1 073 051 748
NAF	230 573 878	250 061 489	260 688 687	249 164 947	247 976 735
NAM	2 153 537 534	2 193 961 543	2 171 878 935	2 169 554 257	2 128 652 209
PAO	350 812 432	366 281 574	380 634 615	383 334 343	390 968 724
PAS	234 650 882	245 595 814	267 909 329	279 691 450	293 745 030
SAS	321 613 319	344 310 203	366 070 717	373 570 728	384 199 829
SSA	381 118 187	379 123 286	384 960 151	382 381 085	393 444 238
WEU	1 242 788 107	1 173 865 049	1 104 822 322	1 078 268 249	1 048 532 911
Total	10 678 077 333	10 660 275 223	10 503 267 500	10 386 389 232	10 335 771 064
	1994	1995	1996	1997	1998
CAS	219 913 989	208 691 614	207 423 374	196 255 041	189 487 730
CPA	1 620 743 842	1 756 778 818	1 827 861 940	1 788 222 466	1 740 925 618
EEU	473 330 177	473 329 323	475 814 475	465 799 677	426 667 791
FSU	1 256 945 444	1 286 921 242	1 194 806 751	1 251 395 631	1 236 192 868
LAM	723 376 731	746 514 391	788 631 369	829 797 568	897 249 079
MEA	1 078 716 826	1 090 052 872	1 099 977 729	1 174 119 763	1 230 894 322
NAF	251 073 843	262 416 382	248 183 472	257 594 302	257 192 208
NAM	2 246 365 473	2 257 909 463	2 300 336 609	2 335 590 775	2 325 727 206
PAO	404 502 567	426 998 859	441 489 681	472 909 999	481 930 132
PAS	297 994 458	323 487 429	345 490 046	355 311 378	349 920 593
SAS	404 686 390	434 661 185	453 450 881	476 071 183	464 113 974
SSA	401 490 968	424 497 434	432 646 689	455 651 168	461 539 127
WEU	1 063 230 039	1 074 333 581	1 103 192 205	1 087 182 935	1 073 485 818
Total	10 442 370 747	10 766 592 593	10 919 305 221	11 145 901 886	11 135 326 466

Abbreviations: see Explanation

	1999	2000	2001	2002	2003
CAS	193 189 461	227 803 359	249 789 785	260 696 996	282 590 545
CPA	1 676 970 161	1 672 820 591	1 728 829 070	1 878 326 527	2 268 394 708
EEU	405 152 560	418 948 260	421 744 469	414 324 863	415 183 733
FSU	1 221 888 832	1 240 984 931	1 241 622 532	1 296 395 120	1 346 133 556
LAM	893 917 946	919 701 536	922 113 642	927 514 165	961 412 793
MEA	1 223 385 562	1 302 780 212	1 308 055 605	1 261 279 321	1 368 734 210
NAF	274 893 639	291 278 229	292 003 404	295 825 223	323 298 425
NAM	2 293 506 914	2 284 170 874	2 319 958 779	2 284 273 980	2 253 609 895
PAO	500 164 800	525 235 998	549 131 742	559 227 111	559 211 330
PAS	357 577 947	356 785 973	374 491 771	386 160 267	411 779 554
SAS	484 445 067	503 113 092	524 385 940	555 615 559	595 343 350
SSA	457 241 879	474 424 102	481 430 258	485 800 476	510 550 374
WEU	1 079 368 939	1 076 251 983	1 067 772 635	1 072 855 386	1 052 200 505
Total	11 061 703 707	11 294 299 140	11 481 329 632	11 678 294 994	12 348 442 978
	2004	2005	2006	2007	2008
CAS	288 694 032	307 854 252	322 068 907	334 165 462	353 274 410
CPA	2 583 592 061	2 903 587 365	3 179 993 754	3 414 781 742	3 592 395 700
EEU	413 536 153	400 644 900	402 884 409	396 457 315	403 077 406
FSU	1 410 389 470	1 478 737 793	1 551 179 286	1 630 084 306	1 622 035 274
LAM	1 039 779 479	1 079 858 711	1 123 355 810	1 142 410 408	1 131 847 305
MEA	1 480 886 846	1 526 257 915	1 549 501 892	1 557 444 250	1 639 447 774
NAF	339 847 316	362 782 695	378 347 093	382 299 243	387 919 314
NAM	2 314 662 973	2 308 717 247	2 345 742 837	2 332 459 751	2 367 026 228
PAO	599 723 486	633 180 073	650 275 959	683 637 924	718 792 867
PAS	444 996 904	478 987 274	536 980 612	554 545 190	562 619 593
SAS	643 835 854	691 977 865	737 811 005	785 123 889	824 862 836
SSA	549 220 543	580 291 019	579 256 749	590 596 545	604 017 838
WEU	1 050 948 633	1 023 946 144	994 330 243	988 652 930	974 310 776
Total	13 160 113 750	13 776 823 253	14 351 728 556	14 792 658 955	15 181 627 321
	2009	2010	2011	2012	2013
CAS	325 611 171	345 232 645	370 160 643	378 572 212	380 399 357
CPA	3 701 679 783	4 076 452 438	4 452 046 622	4 515 945 638	4 650 710 369
EEU	380 998 808	378 211 954	408 049 664	397 766 487	376 422 843
FSU	1 544 121 222	1 651 724 153	1 699 382 661	1 714 310 201	1 729 525 112
LAM	1 080 685 657	1 137 680 197	1 181 951 187	1 195 526 779	1 183 199 725
MEA	1 559 194 302	1 669 361 294	1 806 824 444	1 852 244 741	1 864 679 132
NAF	368 194 412	371 937 872	296 372 350	336 731 317	305 425 368
NAM	2 255 473 575	2 314 559 756	2 389 906 798	2 393 123 293	2 444 430 828
PAO	734 474 715	804 222 443	797 170 519	860 469 496	964 309 789
PAS	605 710 078	660 634 912	742 128 985	783 376 918	833 364 058
SAS	887 883 195	891 532 522	877 403 553	878 380 373	890 211 250
SSA	590 361 767	631 971 220	625 081 157	648 429 189	646 493 282
WEU	915 108 300	918 078 759	885 151 821	877 710 144	851 069 918
Total	14 949 496 985	15 851 600 165	16 531 630 404	16 832 586 788	17 120 241 031

**Abbreviations:** see Explanation

	2014	2015	2016	2017	2018
CAS	385 461 664	374 420 275			
CPA	4 568 208 427	4 440 610 554			
EEU	359 097 750	368 436 647			
FSU	1 694 610 246	1 690 069 741			
LAM	1 213 355 288	1 207 621 082			
MEA	1 890 484 008	1 985 080 190			
NAF	283 067 552	276 076 277			
NAM	2 599 083 407	2 568 568 853			
PAO	1 034 677 713	1 136 237 413			
PAS	823 382 727	798 671 091			
SAS	922 016 517	964 618 786			
SSA	669 908 907	657 323 921			
WEU	818 176 403	801 953 954			
Total	17 261 530 609	17 269 688 784			

### 6.1.3 Total Minerals Production, by Development Status of Producer Countries

(not included bauxite) in metr. t					
	1984	1985	1986	1987	1988
Developed C.	3 150 174 518	3 250 058 929	3 225 530 791	3 292 076 797	3 322 293 023
Transition C.	0	0	0	0	0
Developing C.	6 171 713 183	6 390 530 320	6 652 125 366	6 763 195 263	7 009 312 807
Least Developed C.	24 113 290	21 501 893	33 277 828	36 753 717	46 914 793
Total	9 346 000 991	9 662 091 142	9 910 933 985	10 092 025 777	10 378 520 623
	1989	1990	1991	1992	1993
Developed C.	3 363 254 504	3 409 811 781	3 596 585 923	3 563 668 365	3 508 150 659
Transition C.	0	0	7 001 748	2 288 069 985	2 149 530 444
Developing C.	7 260 729 863	7 193 691 786	6 845 878 531	4 480 161 956	4 622 612 162
Least Developed C.	54 092 966	56 771 656	53 801 298	54 488 926	55 477 799
Total	10 678 077 333	10 660 275 223	10 503 267 500	10 386 389 232	10 335 771 064
	1994	1995	1996	1997	1998
Developed C.	3 646 603 609	3 690 210 362	3 856 200 864	3 901 507 373	3 872 182 870
Transition C.	1 950 189 610	1 968 942 179	1 797 975 284	1 836 038 213	1 780 812 069
Developing C.	4 781 909 123	5 033 776 123	5 188 114 811	5 328 963 581	5 401 094 965
Least Developed C.	63 668 405	73 663 929	77 014 262	79 392 719	81 236 562
Total	10 442 370 747	10 766 592 593	10 919 305 221	11 145 901 886	11 135 326 466

**Abbreviations:** see Explanation

	1999	2000	2001	2002	2003
Developed C.	3 857 509 642	3 882 763 285	3 937 950 005	3 919 778 288	3 871 565 502
Transition C.	1 755 024 740	1 815 982 563	1 840 527 448	1 903 357 617	1 931 196 238
Developing C.	5 357 541 164	5 497 147 945	5 594 459 227	5 733 647 457	6 421 438 634
Least Developed C.	91 628 161	98 405 347	108 392 952	121 511 632	124 242 604
Total	11 061 703 707	11 294 299 140	11 481 329 632	11 678 294 994	12 348 442 978
	2004	2005	2006	2007	2008
Developed C.	4 170 796 371	4 152 746 951	4 162 748 531	4 254 083 600	4 301 038 435
Transition C.	1 801 779 688	1 882 311 302	2 015 620 065	2 010 689 746	2 033 623 679
Developing C.	7 042 412 221	7 570 195 285	7 997 504 847	8 336 050 313	8 645 826 221
Least Developed C.	145 125 470	171 569 715	175 855 113	191 835 296	201 138 986
Total	13 160 113 750	13 776 823 253	14 351 728 556	14 792 658 955	15 181 627 321
	2009	2010	2011	2012	2013
Developed C.	4 134 059 628	4 255 732 238	4 274 282 782	4 362 410 493	4 477 366 837
Transition C.	1 927 743 810	2 051 863 587	2 130 685 072	2 149 033 501	2 161 719 345
Developing C.	8 692 190 932	9 340 054 363	9 936 454 115	10 129 314 651	10 272 177 980
Least Developed C.	195 502 615	203 949 977	190 208 435	191 828 143	208 976 869
Total	14 949 496 985	15 851 600 165	16 531 630 404	16 832 586 788	17 120 241 031
	2014	2015	2016	2017	2018
Developed C.	4 670 262 570	4 728 104 953			
Transition C.	2 121 668 444	2 115 683 852			
Developing C.	10 256 024 716	10 223 422 930			
Least Developed C.	213 574 879	201 506 656			
Total	17 261 530 609	17 269 688 784			

#### 6.1.4 Total Minerals Production, by Country Groups and Economic Blocks

(not included bauxite) in metr. t					
	1984	1985	1986	1987	1988
ACP	140 715 155	151 949 332	154 002 981	152 730 091	160 839 456
ASEAN	160 419 687	167 112 878	176 501 599	179 493 167	189 625 527
BRICS	0	0	0	0	0
EC	667 433 246	724 285 498	778 526 057	765 918 666	741 105 723
EFTA	87 033 929	91 340 112	94 399 978	102 358 213	108 833 907
G-7	2 631 658 066	2 691 926 402	2 654 677 559	2 682 604 246	2 731 414 272
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	3 187 052 913	3 295 340 976	3 279 417 038	3 345 945 720	3 369 073 397
SADC	17 935 588	18 448 090	22 266 221	27 368 750	32 221 292

**Abbreviations:** see Explanation

	1989	1990	1991	1992	1993
ACP	183 822 495	182 869 136	188 960 687	196 811 927	195 665 019
ASEAN	207 124 244	222 458 445	247 004 434	258 663 394	271 351 229
BRICS	0	0	0	0	0
EC	726 811 158	713 282 690	899 968 409	849 114 893	820 714 347
EFTA	128 732 238	132 790 008	140 827 027	158 174 074	163 948 930
G-7	2 709 340 478	2 737 333 590	2 894 434 623	2 840 218 034	2 767 317 344
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	3 424 490 664	3 468 397 515	3 657 203 417	3 631 015 036	3 568 005 808
SADC	32 532 362	34 481 758	34 374 849	36 256 581	33 922 701
	1994	1995	1996	1997	1998
ACP	192 946 136	202 467 023	211 920 808	217 448 259	478 496 562
ASEAN	278 595 335	323 135 285	348 118 790	363 111 792	362 576 918
BRICS	0	0	0	0	0
EC	810 593 047	830 560 077	834 912 254	810 232 656	793 059 034
EFTA	180 935 940	170 327 565	195 052 693	200 728 454	194 932 445
G-7	2 875 208 435	2 890 666 637	2 927 999 570	2 943 918 123	3 995 757 823
MERCOSUR	0	241 894 432	255 829 650	276 249 613	288 193 856
NAFTA	2 455 809 250	2 463 790 544	2 523 480 203	2 566 577 813	2 564 465 359
OECD	3 923 386 366	4 043 152 696	4 390 899 885	4 445 252 128	4 408 348 428
SADC	257 535 411	277 789 117	281 755 868	299 449 909	303 432 813
	1999	2000	2001	2002	2003
ACP	480 719 339	506 045 415	514 422 629	522 454 837	554 079 493
ASEAN	372 264 381	374 918 429	397 401 646	412 914 775	442 464 916
BRICS	0	0	3 448 301 896	3 693 113 096	4 173 993 272
EC	794 931 050	785 865 674	776 162 756	783 036 653	761 528 739
EFTA	198 915 270	211 261 149	215 827 726	220 666 644	223 480 470
G-8	3 955 808 974	3 943 617 323	3 965 852 037	3 977 450 643	3 976 007 898
MERCOSUR	300 585 745	318 989 999	307 448 564	325 088 783	338 911 179
NAFTA	2 525 427 065	2 519 056 261	2 558 020 563	2 524 117 180	2 506 784 151
OECD	4 379 579 404	4 400 016 127	4 454 500 452	4 427 218 238	4 393 463 372
SADC	305 745 608	305 759 012	307 459 506	319 211 196	328 797 343
	2004	2005	2006	2007	2008
ACP	595 491 655	629 700 497	645 600 603	661 471 503	673 593 830
ASEAN	490 006 417	529 790 755	591 559 221	612 380 061	617 278 257
BRICS	4 608 948 520	5 040 375 179	5 436 428 819	5 808 635 113	6 013 299 345
EC	1 042 524 979	1 004 902 595	968 051 186	1 034 121 288	1 007 665 721
EFTA	223 765 355	213 717 867	206 105 089	197 529 668	200 701 515
G-8	4 083 881 044	4 109 466 282	4 178 701 983	4 224 562 109	4 226 275 860
MERCOSUR	368 454 056	390 155 351	637 628 731	659 578 520	652 886 928
NAFTA	2 572 587 574	2 574 405 568	2 609 491 194	2 587 051 407	2 605 572 128
OECD	4 494 216 689	4 496 891 438	4 515 247 167	4 508 695 474	4 544 104 974
SADC	341 351 209	365 607 539	366 668 404	384 228 458	403 590 650

**Abbreviations:** see Explanation

	2009	2010	2011	2012	2013
ACP	662 514 250	704 847 031	687 955 217	701 511 450	704 395 933
ASEAN	668 244 328	724 924 159	808 006 000	846 880 440	897 328 895
BRICS	6 069 614 936	6 587 053 136	7 005 296 353	7 405 830 562	7 558 299 259
EC	940 883 304	939 599 047	941 385 554	919 994 696	885 345 696
EFTA	197 425 505	190 788 190	179 538 029	182 928 280	174 731 672
G-8	4 020 222 123	4 167 748 726	4 268 338 104	4 270 454 107	4 319 837 716
MERCOSUR	601 539 300	643 757 291	657 192 049	657 878 890	638 392 817
NAFTA	2 487 807 197	2 547 783 179	2 626 177 159	2 634 161 838	2 685 133 149
OECD	4 367 471 557	4 551 090 578	4 604 432 612	4 666 769 865	4 793 386 665
SADC	397 315 939	412 358 874	404 770 733	424 349 563	430 173 685
	2014	2015	2016	2017	2018
ACP	730 532 503	716 424 697			
ASEAN	886 306 196	862 328 427			
BRICS	7 533 625 103	7 469 144 191			
EC	850 949 752	828 993 089			
EFTA	176 142 624	184 536 897			
G-7	2 962 867 868	2 931 751 191			
MERCOSUR	666 309 887	690 972 720			
NAFTA	2 831 945 409	2 777 895 831			
OECD	4 974 089 483	5 001 102 748			
SADC	441 110 963	433 189 134			

### 6.1.5 Total Minerals Production, by Political Stability of Producer Countries

(not included bauxite) in metr. t					
	1996	1997	1998	1999	2000
Stable	857 840	755 428	23 240 719	23 977 278	297 236 673
Fair	4 825 396 281	4 840 689 082	4 914 902 818	4 906 726 718	5 311 575 571
Unstable	5 284 288 012	5 446 476 793	5 490 434 310	5 353 142 664	4 905 540 909
Extreme Unstable	808 763 088	857 980 583	706 748 619	777 857 047	779 945 987
Total	10 919 305 221	11 145 901 886	11 135 326 466	11 061 703 707	11 294 299 140
	2001	2002	2003	2004	2005
Stable	279 257 777	272 086 539	19 634 161	47 455 753	251 622 776
Fair	5 285 920 620	4 928 275 855	5 919 288 020	5 133 293 168	5 040 101 235
Unstable	5 099 246 163	5 455 571 894	4 873 398 430	5 619 470 878	6 396 809 828
Extreme Unstable	816 905 072	1 022 360 706	1 536 122 367	2 359 893 951	2 088 289 414
Total	11 481 329 632	11 678 294 994	12 348 442 978	13 160 113 750	13 776 823 253
	2006	2007	2008	2009	2010
Stable	18 727 782	8 152 194	7 681 766	19 809 820	190 934 472
Fair	5 615 569 623	5 872 953 995	5 912 150 080	5 403 609 377	5 487 521 579
Unstable	7 851 849 361	8 377 561 817	8 432 235 048	7 569 744 684	9 030 573 327
Extreme Unstable	865 581 790	533 990 949	829 560 427	1 956 333 104	1 142 570 787
Total	14 351 728 556	14 792 658 955	15 181 627 321	14 949 496 985	15 851 600 165

**Abbreviations:** see Explanation

	2011	2012	2013	2014	2015
Stable	192 744 847	201 759 266	194 358 646	20 709 094	12 906 268
Fair	5 429 954 352	5 519 704 149	5 348 470 274	5 937 113 304	5 614 346 719
Unstable	8 871 618 753	9 067 365 841	10 436 242 363	10 680 185 480	10 914 350 211
Extreme Unstable	2 037 312 452	2 043 757 532	1 141 169 748	623 522 731	728 085 586
Total	16 531 630 404	16 832 586 788	17 120 241 031	17 261 530 609	17 269 688 784

### 6.1.6 Total Minerals Production, by Groups of Commodities

	(not included bauxite) in metr. t				
	1984	1985	1986	1987	1988
Iron, Ferro-Alloy Met.	462 722 386	510 106 296	514 569 639	527 795 120	545 148 891
Non-Ferrous Metals	35 078 410	35 275 374	35 128 420	36 706 718	37 763 438
Precious Metals	14 609	15 039	14 972	15 754	16 744
Industrial Minerals	460 033 310	468 020 139	478 279 167	493 256 403	505 109 246
Mineral Fuels	8 388 152 276	8 648 674 294	8 882 941 787	9 034 251 782	9 290 482 304
Total	9 346 000 991	9 662 091 142	9 910 933 985	10 092 025 777	10 378 520 623
	1989	1990	1991	1992	1993
Iron, Ferro-Alloy Met.	563 077 839	553 171 317	554 465 237	518 316 724	527 347 671
Non-Ferrous Metals	39 449 659	39 117 635	39 151 134	39 635 859	39 075 242
Precious Metals	17 189	17 468	17 080	17 575	16 795
Industrial Minerals	508 182 421	495 139 416	473 678 926	465 724 706	453 321 440
Mineral Fuels	9 567 350 225	9 572 829 387	9 435 955 123	9 362 694 368	9 316 009 916
Total	10 678 077 333	10 660 275 223	10 503 267 500	10 386 389 232	10 335 771 064
	1994	1995	1996	1997	1998
Iron, Ferro-Alloy Met.	546 479 751	577 006 078	564 396 904	590 463 209	593 415 632
Non-Ferrous Metals	38 779 369	40 448 714	42 658 043	44 221 277	45 968 803
Precious Metals	16 039	16 937	17 383	18 577	19 606
Industrial Minerals	476 197 388	492 906 231	501 227 166	517 912 298	504 533 877
Mineral Fuels	9 380 898 200	9 656 214 633	9 811 005 725	9 993 286 525	9 991 388 548
Total	10 442 370 747	10 766 592 593	10 919 305 221	11 145 901 886	11 135 326 466
	1999	2000	2001	2002	2003
Iron, Ferro-Alloy Met.	582 309 222	622 906 086	592 793 144	636 177 199	667 832 608
Non-Ferrous Metals	48 035 280	49 964 597	50 537 349	51 788 052	54 951 973
Precious Metals	19 887	21 047	21 628	21 762	21 738
Industrial Minerals	532 166 530	538 832 928	537 823 734	544 262 279	591 028 564
Mineral Fuels	9 899 172 788	10 082 574 482	10 300 153 777	10 446 045 702	11 034 608 095
Total	11 061 703 707	11 294 299 140	11 481 329 632	11 678 294 994	12 348 442 978

**Abbreviations:** see Explanation

	2004	2005	2006	2007	2008
Iron, Ferro-Alloy Met.	779 845 159	852 727 880	957 388 996	1 058 974 186	1 114 831 122
Non-Ferrous Metals	57 530 080	60 641 748	63 693 926	68 930 604	71 672 886
Precious Metals	22 623	23 222	22 935	23 449	24 086
Industrial Minerals	634 700 080	658 423 221	682 040 518	693 783 408	697 638 249
Mineral Fuels	11 688 015 808	12 205 007 182	12 648 582 181	12 970 947 308	13 297 460 978
Total	13 160 113 750	13 776 823 253	14 351 728 556	14 792 658 955	15 181 627 321
	2009	2010	2011	2012	2013
Iron, Ferro-Alloy Met.	1 077 905 060	1 274 879 312	1 360 378 637	1 392 926 737	1 517 252 311
Non-Ferrous Metals	68 816 186	74 859 522	78 513 224	82 150 215	89 100 925
Precious Metals	25 415	26 736	26 897	28 212	29 262
Industrial Minerals	672 769 032	711 547 747	742 936 118	749 053 786	771 451 182
Mineral Fuels	13 129 981 292	13 790 286 848	14 349 775 528	14 608 427 838	14 742 407 351
Total	14 949 496 985	15 851 600 165	16 531 630 404	16 832 586 788	17 120 241 031
	2014	2015	2016	2017	2018
	2014	2015			
Iron, Ferro-Alloy Met.	1 579 351 218	1 614 487 630			
Non-Ferrous Metals	93 150 530	96 308 035			
Precious Metals	30 484	31 193			
Industrial Minerals	786 687 592	791 299 011			
Mineral Fuels	14 802 310 785	14 767 562 915			
Total	17 261 530 609	17 269 688 784			

## 6.1.7 Mineral Fuels

### 6.1.7.1 Total Production in metr. t

	1984	1985	1986	1987	1988
Steam Coal	2 531 391 298	2 655 806 703	2 733 800 444	2 804 526 921	2 871 665 476
Coking Coal	576 131 300	581 408 250	587 911 000	590 877 000	622 876 000
Lignite	1 128 199 583	1 181 136 745	1 211 201 590	1 233 737 296	1 201 615 195
Petroleum Total	2 770 971 696	2 797 031 852	2 889 872 752	2 881 274 968	3 005 903 555
Petroleum Oilsands	8 345 000	10 811 200	13 848 000	14 761 900	16 466 100
Nat. Gas	1 349 040 000	1 400 918 400	1 428 780 800	1 493 273 600	1 559 884 800
Oilshales	32 357 240	32 310 047	31 310 014	30 492 137	28 466 360
Uranium	61 159	62 297	65 187	69 860	70 918
Total	8 388 152 276	8 648 674 294	8 882 941 787	9 034 251 782	9 290 482 304

**Abbreviations:** see Explanation

	1989	1990	1991	1992	1993
Steam Coal	2 943 627 117	2 963 587 356	2 926 092 414	2 949 969 811	2 882 182 358
Coking Coal	622 578 700	637 817 000	600 753 000	526 956 580	511 913 000
Lignite	1 270 108 539	1 176 341 805	1 090 466 202	1 023 552 878	967 036 090
Petroleum Total	3 087 278 960	3 133 555 972	3 131 446 563	3 172 142 516	3 191 408 211
Petroleum Oilsands	16 625 700	17 116 500	17 362 800	18 140 200	18 713 400
Nat. Gas	1 615 220 000	1 634 812 000	1 661 429 600	1 665 195 200	1 737 076 800
Oilshales	28 468 938	26 655 905	25 718 314	24 835 014	26 355 156
Uranium	67 971	59 349	49 030	42 369	38 301
Total	9 567 350 225	9 572 829 387	9 435 955 123	9 362 694 368	9 316 009 916
	1994	1995	1996	1997	1998
Steam Coal	3 011 586 645	3 147 160 817	3 257 082 049	3 273 789 238	3 225 822 675
Coking Coal	522 836 000	550 969 000	520 869 000	529 861 000	495 720 000
Lignite	928 443 062	911 946 282	889 750 312	890 468 311	867 749 746
Petroleum Total	3 174 649 168	3 233 564 666	3 262 764 103	3 401 439 578	3 476 951 464
Petroleum Oilsands	19 736 300	21 296 300	22 157 900	26 261 300	29 377 100
Nat. Gas	1 721 067 200	1 795 873 600	1 863 533 600	1 880 435 200	1 909 823 200
Oilshales	22 278 784	16 659 899	16 965 358	17 251 305	15 281 589
Uranium	37 341	40 369	41 303	41 893	39 874
Total	9 380 898 200	9 656 214 633	9 811 005 725	9 993 286 525	9 991 388 548
	1999	2000	2001	2002	2003
Steam Coal	3 164 178 066	3 169 221 186	3 335 751 860	3 441 640 979	3 792 308 891
Coking Coal	480 858 000	475 656 000	475 496 000	478 068 000	527 816 120
Lignite	855 175 347	870 111 576	898 628 501	899 443 623	886 285 662
Petroleum Total	3 424 622 666	3 545 779 253	3 538 212 436	3 512 760 870	3 659 317 676
Petroleum Oilsands	31 564 100	41 967 300	47 773 400	60 134 700	66 102 200
Nat. Gas	1 961 000 000	2 007 592 000	2 037 795 200	2 099 350 400	2 151 800 000
Oilshales	13 301 711	14 172 936	14 227 015	14 739 077	17 037 785
Uranium	36 998	41 531	42 765	42 753	41 961
Total	9 899 172 788	10 082 574 482	10 300 153 777	10 446 045 702	11 034 608 095
	2004	2005	2006	2007	2008
Steam Coal	4 127 759 882	4 387 272 497	4 664 880 297	4 848 258 615	5 018 692 794
Coking Coal	600 997 201	680 609 428	716 920 531	794 214 990	801 326 260
Lignite	901 968 195	942 592 773	957 058 279	963 997 720	990 387 811
Petroleum Total	3 835 288 668	3 888 529 190	3 918 600 719	3 897 268 810	3 938 684 331
Petroleum Oilsands	77 767 800	77 344 600	85 690 900	90 471 600	90 867 900
Nat. Gas	2 205 927 200	2 289 429 600	2 374 996 000	2 448 652 800	2 530 286 400
Oilshales	16 027 336	16 524 485	16 079 794	18 505 726	18 031 734
Uranium	47 326	49 209	46 561	48 647	51 648
Total	11 688 015 808	12 205 007 182	12 648 582 181	12 970 947 308	13 297 460 978

**Abbreviations:** see Explanation

	2009	2010	2011	2012	2013
Steam Coal	5 155 346 675	5 404 349 106	5 750 193 631	5 834 490 680	5 896 687 647
Coking Coal	824 339 040	943 566 350	1 016 121 520	1 025 134 310	1 084 656 600
Lignite	840 963 539	854 247 423	896 013 115	898 390 726	859 933 036
Petroleum Total	3 831 201 507	3 922 891 014	3 950 983 678	4 055 930 145	4 065 120 662
Petroleum Oilsands	101 396 500	103 465 400	108 702 200	119 618 300	126 501 200
Nat. Gas	2 462 182 400	2 646 364 800	2 716 895 200	2 774 710 400	2 814 984 000
Oilshales	15 888 442	18 805 092	19 505 132	19 701 365	20 954 753
Uranium	59 689	63 063	63 252	70 212	70 653
Total	13 129 981 292	13 790 286 848	14 349 775 528	14 608 427 838	14 742 407 351
	2014	2015	2016	2017	2018
Steam Coal	5 820 550 745	5 627 898 444			
Coking Coal	1 114 756 445	1 100 039 127			
Lignite	822 431 986	815 555 569			
Petroleum Total	4 158 288 199	4 296 446 676			
Petroleum Oilsands	137 816 400	148 161 800			
Nat. Gas	2 864 711 200	2 907 464 000			
Oilshales	21 503 896	20 086 538			
Uranium	68 314	72 561			
Total	14 802 310 785	14 767 562 915			

### 6.1.7.2 Total Production in Tons Coal Equivalents (CE)

	1984	1985	1986	1987	1988
Steam Coal	1 982 580 901	2 077 713 562	2 139 118 984	2 193 872 111	2 239 836 959
Coking Coal	439 279 933	444 260 398	446 861 700	449 077 030	474 446 200
Lignite	364 195 932	382 268 982	392 502 822	400 609 634	391 353 598
Petroleum Total	3 956 947 586	3 994 161 486	4 126 738 289	4 114 460 655	4 292 430 281
Petroleum Oilsands	11 916 660	15 438 394	19 774 944	21 079 993	23 513 591
Nat. Gas	1 826 600 160	1 896 843 516	1 934 569 205	2 021 892 456	2 112 084 018
Oilshales	9 804 244	9 789 944	9 486 934	9 239 117	8 625 308
Uranium	1 009 123 500	1 027 900 500	1 075 585 500	1 152 690 000	1 170 147 000
Total	9 588 532 256	9 832 938 388	10 124 863 434	10 341 841 003	10 688 923 364
	1989	1990	1991	1992	1993
Steam Coal	2 294 781 149	2 313 059 405	2 285 346 315	2 317 034 870	2 258 196 730
Coking Coal	475 292 817	491 605 370	464 753 590	421 023 173	410 791 280
Lignite	412 654 698	383 919 479	354 830 115	353 791 425	332 337 160
Petroleum Total	4 408 634 357	4 474 717 927	4 471 705 689	4 529 819 513	4 557 330 925
Petroleum Oilsands	23 741 500	24 442 362	24 794 078	25 904 206	26 722 735
Nat. Gas	2 187 007 882	2 213 535 449	2 249 575 680	2 254 674 299	2 352 001 988
Oilshales	8 626 089	8 076 740	7 792 650	7 525 008	7 985 612
Uranium	1 121 521 500	979 258 500	808 995 000	699 088 500	631 966 500
Total	10 908 518 492	10 864 172 870	10 642 999 039	10 582 956 788	10 550 610 195

**Abbreviations:** see Explanation

	1994	1995	1996	1997	1998
Steam Coal	2 358 410 094	2 464 135 157	2 547 142 750	2 565 283 206	2 534 225 364
Coking Coal	421 364 100	440 196 910	418 141 090	425 185 580	397 971 170
Lignite	318 251 790	314 323 080	303 443 928	305 729 760	294 285 064
Petroleum Total	4 533 399 011	4 617 530 343	4 659 227 139	4 857 255 719	4 965 086 693
Petroleum Oilsands	28 183 436	30 411 116	31 641 481	37 501 136	41 950 499
Nat. Gas	2 330 324 988	2 431 612 854	2 523 224 496	2 546 109 263	2 585 900 615
Oilshales	6 750 471	5 047 949	5 140 505	5 227 145	4 630 321
Uranium	616 126 500	666 088 500	681 499 500	691 234 500	657 921 000
Total	10 584 626 954	10 938 934 793	11 137 819 408	11 396 025 173	11 440 020 227
	1999	2000	2001	2002	2003
Steam Coal	2 486 001 144	2 486 362 511	2 617 978 320	2 691 345 803	2 941 137 550
Coking Coal	387 617 140	383 208 550	382 609 630	382 252 640	419 362 296
Lignite	291 696 297	295 577 969	306 182 682	304 499 647	300 009 363
Petroleum Total	4 890 361 169	5 063 372 774	5 052 567 361	5 016 222 520	5 225 505 642
Petroleum Oilsands	45 073 535	59 929 304	68 220 415	85 872 352	94 393 942
Nat. Gas	2 655 193 998	2 718 279 565	2 759 174 701	2 842 520 442	2 913 537 198
Oilshales	4 030 418	4 294 399	4 310 786	4 465 941	5 162 449
Uranium	610 467 000	685 261 500	705 622 500	705 424 500	692 356 500
Total	11 325 367 166	11 636 357 268	11 828 445 980	11 946 731 493	12 497 070 998
	2004	2005	2006	2007	2008
Steam Coal	3 193 184 609	3 384 032 718	3 584 540 221	3 714 754 439	3 837 487 561
Coking Coal	473 988 657	533 191 273	557 668 375	618 649 244	624 779 816
Lignite	306 427 270	322 175 860	329 015 883	331 700 164	341 530 081
Petroleum Total	5 476 792 220	5 552 819 685	5 595 761 829	5 565 299 863	5 624 441 220
Petroleum Oilsands	111 052 418	110 448 089	122 366 605	129 193 445	129 759 361
Nat. Gas	2 986 825 429	3 099 887 678	3 215 744 586	3 315 475 893	3 426 007 785
Oilshales	4 856 284	5 006 920	4 872 178	5 607 235	5 463 615
Uranium	780 879 000	811 948 500	768 256 500	802 675 500	852 192 000
Total	13 222 953 469	13 709 062 634	14 055 859 572	14 354 162 338	14 711 902 078
	2009	2010	2011	2012	2013
Steam Coal	3 926 791 138	4 098 962 496	4 346 011 172	4 398 662 952	4 438 076 885
Coking Coal	635 449 384	732 783 510	783 977 432	791 226 422	836 629 876
Lignite	283 059 257	290 407 189	304 859 180	304 036 165	290 916 958
Petroleum Total	5 470 955 751	5 601 888 371	5 642 004 690	5 791 868 250	5 804 992 307
Petroleum Oilsands	144 794 202	147 748 591	155 226 742	170 814 932	180 643 714
Nat. Gas	3 333 794 972	3 583 177 939	3 678 676 099	3 756 957 880	3 811 488 337
Oilshales	4 814 199	5 697 943	5 910 055	5 982 299	6 363 186
Uranium	984 868 500	1 040 539 500	1 043 658 000	1 158 498 000	1 165 774 500
Total	14 639 733 201	15 353 456 948	15 805 096 628	16 207 231 968	16 354 242 049

**Abbreviations:** see Explanation

	2014	2015	2016	2017	2018
Steam Coal	4 390 678 552	4 241 434 514			
Coking Coal	861 229 733	849 971 764			
Lignite	279 752 338	278 326 978			
Petroleum Total	5 938 035 552	6 135 325 856			
Petroleum Oilsands	196 801 819	211 575 050			
Nat. Gas	3 878 818 963	3 936 706 256			
Oilshales	6 601 534	6 166 403			
Uranium	1 127 181 000	1 197 256 500			
Total	16 482 297 672	16 645 188 271			

## 6.1.8 Total Minerals Production 2015, by Country

### 6.1.8.1 by Production in metr. t

Country	Total (incl. Bauxite)	Iron, Ferro-alloys	Non-Ferrous Metals	Precious Metals	Industrial Minerals	Mineral-Fuels
China	4 358 945 768	375 226 780	40 608 339	3 843	195 685 100	3 682 421 706
United States	2 118 592 432	29 258 360	4 164 472	1 319	92 521 000	1 992 547 281
Russia, Asia	1 214 586 797	9 586 767	4 344 631	1 729	886 208	1 199 767 462
Australia	1 198 039 084	508 942 711	4 892 675	1 653	17 930 074	585 362 268
India	922 238 143	103 856 410	3 272 236	427	42 055 900	744 919 654
Saudi Arabia	665 069 950	254 900	932 639	11	9 655 400	652 053 000
Indonesia	577 289 161	2 268 750	905 700	244	4 662 200	568 980 400
Brazil	493 505 520	277 312 219	1 321 417	108	18 094 929	159 719 847
Canada	450 076 421	26 976 770	3 855 373	571	33 563 848	385 679 859
Iran	394 134 886	26 013 805	817 059	50	28 884 962	337 645 310
South Africa	319 271 916	62 456 989	835 973	441	2 785 407	253 193 106
Russia, Europe	296 586 563	46 655 669	334 278	196	29 608 980	214 187 440
Kazakhstan	249 557 533	15 249 910	1 069 654	1 369	5 302 228	223 251 372
Qatar	227 418 400	0	610 000	0	2 377 000	224 431 400
United Arab Emirates	224 461 400	0	2 397 000	0	2 000 000	220 064 400
Germany	224 340 261	52 100	542 430	0	29 118 518	194 627 213
Mexico	209 326 978	8 305 953	1 647 796	6 090	20 198 012	179 169 127
Iraq	198 069 700	0	0	0	226 000	197 843 700
Norway	182 891 881	2 529 841	1 228 097	0	119 261	179 014 682
Venezuela	172 086 883	7 618 807	119 511	1	1 424 897	161 931 857
Kuwait	156 699 000	0	0	0	808 500	155 890 500
Nigeria	147 959 459	20 077	24 498	4	110 000	147 804 880
Colombia	146 499 585	442 451	8 491	70	961 393	145 087 180
Poland	146 458 679	840	534 976	1 283	5 597 510	140 324 070
Algeria	138 380 380	378 000	0	0	3 271 980	134 730 400
Malaysia	109 209 749	1 266 215	444 359	6	619 625	85 879 544
Turkey	106 716 779	6 704 605	405 350	222	42 322 740	56 233 862
Ukraine	95 938 789	43 706 860	14	0	5 629 500	46 602 415
United Kingdom	95 447 311	195	47 016	0	8 080 000	87 320 100
Angola	89 569 047	0	0	0	347 847	89 221 200
Oman	82 058 561	181 230	385 836	0	6 406 195	75 085 300
Egypt	77 682 855	775 700	292 200	14	4 526 041	72 088 900
Thailand	74 602 461	14 571	36 255	24	15 218 942	59 332 669
Vietnam	74 393 704	1 552 487	52 787	0	2 830 430	68 758 000
Turkmenistan	71 353 740	0	0	0	710 000	70 643 740
Argentina	63 402 069	206 929	557 591	1 150	4 043 299	58 593 100

Abbreviations: see Explanation

Azerbaijan	57 422 623	53 590	59 169	3	292 761	57 017 100
Uzbekistan	54 568 766	680	110 023	163	269 800	54 188 100
Greece	51 766 888	23 400	204 795	27	3 323 037	46 383 969
Czech Republic	50 459 158	0	0	0	4 282 000	46 177 158
Netherlands	49 606 089	0	28 820	0	6 742 969	42 834 300
Pakistan	45 626 876	165 610	13 306	0	4 268 594	41 154 677
Romania	41 759 876	4 200	281 966	19	3 058 000	38 415 691
Korea, North	40 727 022	579 372	79 600	50	885 000	39 183 000
Serbia	38 586 609	0	38 708	8	123 202	38 424 691
Bulgaria	38 077 508	13 470	147 716	22	4 042 000	33 874 300
Trinidad and Tobago	35 610 669	0	0	0	0	35 610 669
Chile	35 272 880	9 200 418	5 837 587	1 547	15 979 302	4 254 026
Peru	33 809 854	4 998 413	3 458 679	4 249	7 662 425	17 686 088
Libya	30 642 600	0	0	0	230 000	30 412 600
Mongolia	29 736 679	3 707 474	359 129	90	281 986	25 388 000
Ecuador	27 752 813	0	0	131	317 082	27 435 600
Italy	23 130 954	0	0	0	12 171 154	10 959 800
Bangladesh	22 586 375	0	0	0	1 282 000	21 304 375
Bolivia	20 791 482	1 462	550 942	1 319	199 359	20 038 400
Guinea	20 163 793	0	0	19	0	0
Estonia	19 616 000	0	0	0	0	19 616 000
Spain	18 779 232	8 043	533 186	29	15 119 730	3 118 244
Myanmar	16 992 275	54 650	97 350	1	232 174	16 608 100
Sweden	16 434 084	15 886 720	517 583	486	29 295	0
Brunei	16 363 500	0	0	0	0	16 363 500
Bahrain	15 373 623	0	960 643	0	126 780	14 286 200
Bosnia-Herzegovina	15 233 949	1 085 830	133 423	0	1 054 995	12 172 292
Equatorial Guinea	14 392 000	0	0	0	0	14 392 000
Gabon	13 865 501	1 973 000	0	1	0	11 892 500
Philippines	13 735 163	539 157	83 905	51	1 073 050	12 039 000
France	12 437 002	0	415 000	0	11 091 000	861 002
Denmark	12 180 608	0	0	0	874 796	11 305 812
Congo, Rep.	12 139 600	0	0	0	0	12 139 600
Mozambique	11 865 207	425 633	558 390	0	172 150	10 704 049
Hungary	11 474 927	15 330	0	0	45 445	11 405 852
New Zealand	11 211 222	1 852 360	335 292	25	79 359	8 944 186
Morocco	10 365 066	57 722	137 430	216	10 088 700	80 998
Belarus	10 293 000	0	0	0	8 468 000	1 825 000
Jamaica	9 686 197	0	0	0	57 379	0
Israel	9 591 600	0	0	0	3 015 600	6 576 000
Kosovo	8 259 300	7 900	10 400	0	0	8 241 000
Japan	7 896 810	0	3 597	13	5 169 300	2 723 900
Mauritania	7 888 310	7 544 600	45 001	9	35 000	263 700
Ghana	7 607 418	451 020	33 800	101	250 000	5 558 600
Tunisia	7 531 100	153 700	0	0	2 916 200	4 461 200
South Sudan	7 277 200	0	0	0	0	7 277 200
Macedonia	6 206 099	0	75 904	30	202 416	5 927 749
Korea, South	6 110 153	379 706	8 610	5	3 957 782	1 764 050
Chad	5 976 000	0	0	0	0	5 976 000
Papua New Guinea	5 427 130	73 087	49 629	114	0	5 304 300
Austria	5 342 606	891 526	0	0	2 598 681	1 852 399
Syria	5 187 500	0	0	0	355 000	4 832 500
Cameroon	5 123 500	0	65 000	0	0	5 058 500
Yemen	4 996 200	0	0	0	170 000	4 826 200
Jordan	4 842 070	0	0	0	4 743 970	98 100
Zimbabwe	4 452 034	110 214	10 063	44	36 712	4 295 000
Cuba	4 233 534	56 434	0	0	381 100	3 796 000
Sudan	4 197 076	20 150	0	83	161 243	4 015 600

**Abbreviations:** see Explanation

Slovakia	3 389 537	0	171 688	1	1 197 041	2 020 807
Cote d'Ivoire	3 324 351	118 430	0	21	0	3 205 900
Slovenia	3 256 958	0	83 775	0	2 423	3 170 760
Sierra Leone	3 098 834	1 662 250	0	0	1 389	0
Suriname	2 708 059	0	0	9	0	842 950
Botswana	2 509 470	17 105	22 284	4	404 299	2 065 778
Croatia	2 387 895	0	0	0	238 448	2 137 550
Congo, D.R.	2 290 809	85 885	1 079 946	34	4	1 124 940
Kyrgyzstan	2 257 586	80	4 320	25	265 361	1 987 800
Finland	2 119 818	468 602	67 243	23	1 583 950	0
Laos	2 114 281	660 000	169 792	59	979 430	305 000
Dominican Republic	2 112 853	0	11 979	122	376 590	0
Liberia	1 921 401	1 921 400	0	1	0	0
Albania	1 907 690	190 980	2 190	0	132 100	1 582 420
Montenegro	1 836 437	0	51 299	0	0	1 734 769
Afghanistan	1 631 283	2 500	0	0	147 183	1 481 600
Guyana	1 526 727	0	0	14	0	0
Tajikistan	1 365 650	0	251 429	7	43 893	1 070 321
Senegal	1 168 711	243 270	0	7	902 534	22 900
Zambia	1 122 937	7 979	711 515	4	300 000	103 439
Niger	970 477	0	0	1	0	970 476
Bahamas	970 393	0	0	0	970 393	0
Namibia	895 858	10 110	149 288	7	732 980	3 473
Iceland	870 016	0	865 016	0	5 000	0
Portugal	846 239	474	153 275	41	692 449	0
Switzerland	775 000	0	0	0	775 000	0
Guatemala	724 275	45 810	24 963	869	152 833	499 800
Tanzania	664 979	0	6 530	58	400 020	257 321
Ireland	613 604	0	267 600	4	250 000	96 000
Cyprus	601 042	0	2 121	0	598 921	0
Taiwan	593 100	0	0	0	286 000	307 100
Georgia	526 323	66 000	50 320	3	0	410 000
Bhutan	507 986	27 650	0	0	395 172	85 164
Kenya	445 398	319 750	0	0	125 648	0
Togo	418 116	0	0	16	418 100	0
Ethiopia	372 605	95	0	10	372 500	0
Madagascar	350 295	249 695	0	0	100 600	0
Armenia	322 276	5 131	58 919	21	258 205	0
Cambodia	300 000	0	0	0	300 000	0
Solomon Islands	278 400	0	0	0	0	0
Latvia	225 370	0	0	0	225 370	0
Moldova	194 900	0	0	0	194 900	0
New Caledonia	190 565	190 565	0	0	0	0
Sri Lanka	182 928	23 410	0	0	159 518	0
Christmas Island	177 100	0	0	0	177 100	0
Fiji	172 337	0	0	1	0	0
Lithuania	157 100	0	0	0	84 000	73 100
Swaziland	141 733	0	0	0	0	141 733
Lebanon	125 000	0	0	0	125 000	0
El Salvador	100 000	0	0	0	100 000	0
Nicaragua	92 142	0	0	27	92 115	0
Eritrea	90 800	0	61 600	0	29 200	0
Honduras	80 851	0	32 814	37	48 000	0
Burkina Faso	70 706	0	70 670	36	0	0
Malawi	60 884	0	0	0	2 110	58 774
Barbados	50 030	0	0	0	0	50 030
Nauru	45 700	0	0	0	45 700	0
Uganda	41 069	5 436	135	0	35 498	0

**Abbreviations:** see Explanation

Panama	23 294	0	0	0	23 294	0
Costa Rica	20 538	0	0	1	20 537	0
Uruguay	16 558	11 520	0	1	5 037	0
Paraguay	10 500	0	0	0	10 500	0
Malta	5 000	0	0	0	5 000	0
Rwanda	4 458	1 688	2 770	0	0	0
Benin	4 000	0	0	0	4 000	0
Nepal	3 400	0	0	0	2 211	1 189
Belgium	1 200	0	1 200	0	0	0
Cape Verde	1 000	0	0	0	1 000	0
Burundi	99	43	55	1	0	0
Mali	47	0	0	47	0	0
French Guiana	1	0	0	1	0	0
Total	17 559 932 134	1 614 487 630	96 308 035	31 193	791 299 011	14 767 562 915

### 6.1.8.2 by Value in Million USD (not included Diamonds)

Country	Total (incl. Bauxite)	Iron, Ferro-alloys	Non-Ferrous Metals	Precious Metals	Industrial Minerals	Mineral-Fuels
China	618 445	31 725	79 091	18 496	18 495	439 113
United States	392 204	2 751	12 559	8 873	8 112	359 860
Russia, Asia	250 661	2 253	9 361	11 515	416	227 117
Saudi Arabia	231 820	14	1 779	193	702	228 078
Australia	173 801	36 232	12 634	11 118	1 962	72 614
Canada	127 409	5 011	9 179	6 909	8 382	97 928
India	120 579	18 846	5 791	264	3 955	78 079
South Africa	113 368	76 672	1 701	12 648	658	21 689
Brazil	103 585	22 992	3 903	3 113	2 198	53 407
Iran	95 562	2 856	2 392	113	1 514	88 312
Russia, Europe	91 286	6 239	1 433	1 256	6 726	72 819
United Arab Emirates	76 761	0	3 991	0	176	72 594
Iraq	75 772	0	0	0	20	75 752
Kazakhstan	75 685	18 585	3 688	3 034	796	47 310
Indonesia	72 447	1 707	4 741	3 514	450	61 806
Mexico	70 661	1 014	5 306	8 028	1 406	54 908
Kuwait	56 321	0	0	0	71	56 250
Venezuela	56 312	470	199	21	125	55 016
Qatar	48 651	0	1 016	0	209	47 426
Norway	45 757	335	2 045	0	20	43 357
Nigeria	45 709	10	79	149	14	45 457
Chile	38 242	1 285	32 064	2 343	2 088	462
Angola	34 129	0	0	0	7	34 122
Algeria	33 810	21	0	3	116	33 670
Colombia	30 801	458	47	2 242	49	28 005
Malaysia	30 404	513	801	181	62	18 662
Peru	25 979	577	13 000	7 543	811	4 047
Oman	24 125	1 541	676	0	83	21 826
United Kingdom	23 203	4	79	0	978	22 141
Turkey	22 071	13 135	1 157	1 134	3 545	2 590
Argentina	19 513	24	1 216	3 201	380	14 691
Egypt	19 326	65	487	509	319	17 946
Azerbaijan	17 984	3	102	84	9	17 786
Poland	13 426	10	2 550	667	426	9 774
Vietnam	13 366	470	308	0	325	11 681

**Abbreviations:** see Explanation

Germany	12 047	3	924	0	3 944	7 176
Turkmenistan	11 725	0	0	0	62	11 663
Uzbekistan	11 516	11	536	3 872	71	7 026
Ecuador	10 806	0	0	350	27	10 429
Guinea	10 489	0	0	710	0	0
Ukraine	10 053	3 647	5	0	506	5 894
Thailand	9 438	9	71	134	379	8 845
Libya	8 961	0	0	0	8	8 953
Philippines	8 380	5 580	464	810	95	1 431
Gabon	8 134	3 589	0	49	0	4 496
Congo, D.R.	7 975	377	5 976	1 190	0	432
Ghana	7 287	820	56	3 616	22	2 135
Pakistan	6 646	359	73	0	283	5 919
Netherlands	6 152	0	48	0	600	5 504
Mongolia	5 926	265	1 819	812	90	2 941
Bolivia	5 631	33	1 393	1 143	65	2 997
Equatorial Guinea	5 527	0	0	0	0	5 527
Trinidad and Tobago	5 212	0	0	0	0	5 212
Finland	4 898	4 071	298	369	160	0
Sudan	4 715	89	0	3 074	11	1 542
Jamaica	4 672	0	0	0	2	0
Congo, Rep.	4 663	0	0	1	0	4 662
Belarus	4 518	0	0	0	3 865	653
Papua New Guinea	4 334	700	273	1 952	0	1 409
Zambia	4 131	18	3 920	158	26	9
Romania	3 967	8	500	28	207	3 224
Bahrain	3 954	0	1 599	0	11	2 344
Brunei	3 571	0	0	0	0	3 571
Denmark	3 479	0	0	0	103	3 376
Korea, North	3 443	34	203	25	124	3 057
Italy	3 356	0	0	0	615	2 740
Myanmar	3 308	370	780	47	13	2 099
Greece	3 007	278	346	72	236	1 186
Spain	2 915	104	1 398	74	1 085	253
Zimbabwe	2 911	1 003	57	1 429	18	403
Mozambique	2 857	319	930	9	61	1 535
South Sudan	2 794	0	0	0	0	2 794
New Zealand	2 698	104	558	479	8	1 549
Bangladesh	2 696	0	0	0	114	2 582
Sweden	2 591	890	1 232	467	2	0
Czech Republic	2 570	0	0	0	512	2 057
Chad	2 295	0	0	0	0	2 295
Bulgaria	2 268	25	685	303	393	862
New Caledonia	2 220	2 220	0	0	0	0
Albania	2 188	1 672	12	0	3	501
Dominican Republic	2 073	0	49	1 182	5	0
Cameroon	1 983	0	108	9	0	1 866
Cuba	1 854	636	0	0	27	1 192
France	1 829	0	691	0	781	324
Cote d'Ivoire	1 737	215	0	755	0	766
Mali	1 734	0	0	1 734	0	0
Tanzania	1 663	0	37	1 590	15	22
Estonia	1 648	0	0	0	0	1 648
Israel	1 644	0	0	0	858	786
Serbia	1 619	0	188	49	13	1 369
Suriname	1 579	0	0	350	0	324
Madagascar	1 499	1 470	0	0	29	0
Burkina Faso	1 492	0	136	1 356	0	0

**Abbreviations:** see Explanation

Iceland	1 441	0	1 440	0	0	0
Laos	1 437	37	946	283	157	14
Morocco	1 380	92	347	126	805	11
Tunisia	1 370	9	0	0	189	1 173
Guatemala	1 346	457	47	645	5	192
Japan	1 279	0	48	289	480	462
Guyana	1 264	0	0	523	0	0
Yemen	1 251	0	0	0	7	1 244
Mauritania	1 100	422	248	328	0	101
Bosnia-Herzegovina	1 071	66	225	0	93	304
Jordan	1 061	0	0	0	1 050	12
Syria	944	0	0	0	20	924
Namibia	925	18	334	227	65	280
Sierra Leone	891	189	0	4	1	0
Tajikistan	853	0	594	158	3	97
Kyrgyzstan	794	2	27	639	27	100
Niger	741	0	0	46	0	695
Austria	706	69	0	0	178	459
Hungary	687	28	0	0	4	651
Korea, South	683	102	15	12	406	148
Portugal	672	11	594	21	46	0
Togo	611	0	0	581	30	0
Botswana	567	200	123	34	36	174
Georgia	561	120	277	115	0	49
Ireland	528	0	512	2	2	11
Senegal	518	183	0	216	111	9
Armenia	514	75	299	114	26	0
Slovakia	460	0	286	22	91	61
Croatia	443	0	0	0	11	426
Ethiopia	393	12	0	350	31	0
Eritrea	342	0	339	0	3	0
Macedonia	340	0	173	15	4	148
Nicaragua	332	0	0	327	5	0
Kosovo	319	94	19	0	0	206
Kenya	298	237	0	11	50	0
Slovenia	219	0	139	0	0	80
Honduras	180	0	62	114	4	0
Afghanistan	159	22	0	0	9	128
Montenegro	155	0	88	0	0	43
Liberia	145	108	0	38	0	0
Solomon Islands	135	0	0	0	0	0
Rwanda	133	89	45	0	0	0
Fiji	132	0	0	48	0	0
Bahamas	86	0	0	0	86	0
Taiwan	64	0	0	0	26	38
Uruguay	54	1	0	53	0	0
French Guiana	47	0	0	47	0	0
Switzerland	42	0	0	0	42	0
Costa Rica	41	0	0	35	6	0
Lithuania	35	0	0	0	7	28
Sri Lanka	35	17	0	0	18	0
Cambodia	27	0	0	0	27	0
Cyprus	25	0	12	0	14	0
Burundi	25	4	1	20	0	0
Barbados	15	0	0	0	0	15
Bhutan	13	2	0	0	4	7
Christmas Island	13	0	0	0	13	0
Swaziland	12	0	0	0	0	12

**Abbreviations:** see Explanation

El Salvador	9	0	0	0	9	0
Uganda	9	1	2	0	5	0
Belgium	7	0	7	0	0	0
Malawi	5	0	0	0	0	5
Nauru	3	0	0	0	3	0
Lebanon	2	0	0	0	2	0
Panama	2	0	0	0	2	0
Central African Republic	2	0	0	2	0	0
Latvia	2	0	0	0	2	0
Moldova	2	0	0	0	2	0
Benin	1	0	0	1	0	0
Paraguay	1	0	0	0	1	0
Total	3 584 418	277 404	245 988	140 799	85 277	2 694 182

**Abbreviations:** see Explanation

## 6.2 World Production of Mineral Raw Materials, by Mineral Raw Materials

### 6.2.1 Iron and Ferro-Alloy Metals

Commodity	2011	2012	2013	2014	2015	Change 11/15 in %
in metr. t						
Iron	1 321 534 877	1 353 866 546	1 474 794 108	1 536 798 337	1 573 002 190	19.03
Chromium	11 229 183	12 023 836	13 255 015	13 260 374	13 503 250	20.25
Cobalt	145 883	135 235	132 781	131 245	140 713	-3.54
Manganese	17 676 409	16 878 522	18 814 247	19 194 747	18 196 702	2.94
Molybdenum	264 582	271 623	278 732	297 039	264 317	-0.10
Nickel	2 162 776	2 297 710	2 548 662	2 158 810	2 108 627	-2.50
Niobium	70 028	87 906	83 002	95 956	91 224	30.27
Tantalum	874	1 193	1 316	1 432	1 551	77.46
Titanium	7 143 143	7 209 999	7 175 747	7 245 485	7 007 510	-1.90
Tungsten	82 780	81 178	86 103	84 254	88 752	7.21
Vanadium	68 102	72 989	82 598	83 539	82 794	21.57

### 6.2.2 Non-Ferrous Metals

Commodity	2011	2012	2013	2014	2015	Change 11/15 in %
in metr. t						
Aluminium	44 384 916	46 082 351	51 124 263	54 747 922	57 869 250	30.38
Antimony	157 467	174 756	163 178	162 451	163 256	3.68
Arsenic	38 037	42 009	38 743	36 550	36 693	-3.53
Bauxite	248 004 227	258 939 615	300 583 212	260 861 423	290 243 350	17.03
Bismuth	8 625	7 425	8 488	11 701	11 940	38.43
Cadmium	21 150	22 437	22 718	24 325	22 835	7.97
Copper	16 189 090	16 818 031	18 327 636	18 650 467	19 368 181	19.64
Gallium	96	95	155	105	146	52.08
Germanium	108	111	117	124	80	-25.93
Lead	4 729 247	5 104 284	5 311 320	5 355 888	5 020 805	6.16
Lithium	63 963	72 446	63 633	69 050	68 349	6.86
Mercury	2 035	1 886	2 184	2 834	2 422	19.02
Rare Earths	101 393	103 008	100 845	109 314	122 986	21.30
Rhenium	43	44	37	36	45	4.65
Selenium	3 290	3 416	3 676	3 914	3 834	16.53
Tellurium	133	140	170	169	165	24.06
Tin	326 949	311 072	332 900	342 243	320 571	-1.95
Zinc	12 486 682	13 406 704	13 600 862	13 633 437	13 296 477	6.49

Abbreviations: see Explanation

### 6.2.3 Precious Metals

Commodity	2011	2012	2013	2014	2015	Change 11/15 in %
	in kg					
Gold	2 644 441	2 726 845	2 908 006	3 020 801	3 088 043	16.77
Palladium	201 380	194 623	200 273	193 263	204 913	1.75
Platinum	201 385	176 014	181 773	159 495	189 824	-5.74
Rhodium	23 676	22 321	21 435	18 890	23 243	-1.83
Silver	23 829 349	25 089 281	25 951 893	27 094 362	27 688 651	16.20

### 6.2.4 Industrial Minerals

Commodity	2011	2012	2013	2014	2015	Change 11/15 in %
	in metr. t (Diamonds in carats)					
Asbestos	2 019 796	1 966 188	1 765 774	1 774 327	1 789 700	-11.39
Baryte	9 653 999	10 657 496	9 959 879	9 678 996	9 257 995	-4.10
Bentonite	15 807 901	16 974 299	16 190 718	16 860 775	17 702 674	11.99
Boron	4 753 971	4 796 956	4 693 119	4 527 471	4 959 546	4.32
Diam. (Gem)	70 806 921	71 664 878	76 063 384	75 741 779	76 377 053	7.87
Diam. (Ind)	52 117 408	56 613 102	56 115 189	50 608 795	51 403 638	-1.37
Diatomite	1 973 371	2 099 984	2 161 511	2 341 048	2 150 036	8.95
Feldspar	27 173 682	29 969 520	35 107 822	29 510 074	30 685 754	12.92
Fluorspar	6 741 353	6 814 610	6 418 254	6 819 024	6 438 070	-4.50
Graphite	1 173 382	1 194 930	1 125 588	1 104 711	1 117 929	-4.73
Gypsum	151 865 931	157 891 093	163 428 328	164 400 102	163 791 410	7.85
Kaolin	33 682 715	34 074 922	35 171 364	34 913 777	35 334 542	4.90
Magnesite	25 188 963	24 698 760	25 950 353	27 153 933	26 815 161	6.46
Perlite	2 292 957	2 437 508	2 697 515	2 688 467	2 481 356	8.22
Phosphates	62 635 794	67 252 173	74 377 426	74 888 777	82 320 367	31.43
Potash	34 403 123	32 949 125	34 745 385	39 422 053	39 166 662	13.85
Salt	289 362 453	280 329 274	280 440 227	290 352 637	289 683 419	0.11
Sulfur	64 375 926	65 210 667	67 354 957	70 085 976	67 892 292	5.46
Talc	7 600 283	7 737 826	8 364 018	8 152 865	7 729 753	1.70
Vermiculite	472 041	498 032	423 562	430 661	444 842	-5.76
Zircon	1 758 452	1 500 398	1 075 356	1 581 893	1 537 478	-12.57

**Abbreviations:** see Explanation

## 6.2.5 Mineral Fuels

Commodity	2011	2012	2013	2014	2015	Change 11/15 in %
	in metr. t (Nat.Gas in Mio m <sup>3</sup> )					
Steam Coal	5 750 193 631	5 834 490 680	5 896 687 647	5 820 550 745	5 627 898 444	-2.13
Coking Coal	1 016 121 520	1 025 134 310	1 084 656 600	1 114 756 445	1 100 039 127	8.26
Hard Coal (Tot)	6 766 315 151	6 859 624 990	6 981 344 247	6 935 307 190	6 727 937 571	-0.57
Lignite	896 013 115	898 390 726	859 933 036	822 431 986	815 555 569	-8.98
Coal (Tot)	7 662 328 266	7 758 015 716	7 841 277 283	7 757 739 176	7 543 493 140	-1.55
Petroleum	3 950 983 678	4 055 930 145	4 065 120 662	4 158 288 199	4 296 446 676	8.74
Nat. Gas	3 396 119	3 468 388	3 518 730	3 580 889	3 634 330	7.01
Oilsands*	108 702 200	119 618 300	126 501 200	137 816 400	148 161 800	36.30
Oil shales	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538	2.98
Uranium	63 252	70 212	70 653	68 314	72 561	14.72

\* as part of petroleum

**Abbreviations:** see Explanation



## 6.3 World Production of Mineral Raw Materials, by Development Status, Income, Political Stability of the Producer Countries (according to World Bank), Country Groups and Economic Blocks

### 6.3.1 Iron and Ferro-Alloy Metals

#### Iron (Fe-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	353 699 046	393 895 562	458 617 673	508 560 286	581 158 113
Developing C.	842 854 629	830 186 115	879 237 658	888 630 106	867 749 767
Least Developed C.	7 691 041	11 636 253	17 832 219	22 237 825	11 680 880
Transition C.	117 290 161	118 148 616	119 106 558	117 370 120	112 413 430
Total	1 321 534 877	1 353 866 546	1 474 794 108	1 536 798 337	1 573 002 190
Annual per capita income:					
High Income	354 258 686	461 245 012	524 445 281	582 360 276	590 839 562
Upper Middle Inc.	789 388 829	729 943 791	765 400 188	797 423 466	817 444 488
Lower Middle Inc.	168 660 171	156 978 460	175 342 560	143 171 310	160 690 210
Low Income	9 227 191	5 699 283	9 606 079	13 843 285	4 027 930
Total	1 321 534 877	1 353 866 546	1 474 794 108	1 536 798 337	1 573 002 190
Political stability:					
Stable	2 987 815	4 263 722	4 755 613	2 662 046	1 852 360
Fair	406 608 864	663 452 750	476 978 588	544 853 500	595 688 302
Unstable	777 466 911	570 302 664	966 680 937	944 819 701	926 537 118
Extreme Unst.	134 471 287	115 847 410	26 378 970	44 463 090	48 924 410
Total	1 321 534 877	1 353 866 546	1 474 794 108	1 536 798 337	1 573 002 190
Country groups and economic blocks:					
ACP	45 541 924	55 716 753	64 570 539	74 359 985	58 336 830
ASEAN	13 371 313	15 110 640	22 872 570	11 951 200	5 203 970
BRICS	786 479 040	804 081 070	842 072 500	858 187 320	851 054 940
CPE	365 108 060	360 492 560	397 741 900	413 130 300	376 876 140
EC	17 469 881	17 718 112	18 249 273	18 863 976	16 829 485
EFTA	1 620 500	2 189 200	2 181 300	2 466 600	2 252 200
G-8/G-7	113 492 450	115 432 090	115 065 810	61 726 800	55 070 500
MERCOSUR	268 390 410	268 483 670	253 254 768	268 659 090	283 422 520
NAFTA	63 924 567	67 134 665	70 226 140	71 655 150	63 095 560
OECD	373 776 233	415 959 577	485 162 143	536 345 036	603 850 102
SADC	37 776 753	44 131 430	47 198 370	52 795 200	47 323 600

**Abbreviations:** see Explanation

## Chromium (Cr<sub>2</sub>O<sub>3</sub> - Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	297 670	368 076	528 200	451 819	457 100
Developing C.	8 669 719	9 325 960	10 266 775	10 047 165	10 544 960
Least Developed C.	66 194	56 400	74 740	92 390	108 090
Transition C.	2 195 600	2 273 400	2 385 300	2 669 000	2 393 100
Total	11 229 183	12 023 836	13 255 015	13 260 374	13 503 250
Annual per capita income:					
High Income	551 350	796 596	992 400	966 499	634 380
Upper Middle Inc.	8 750 650	9 592 335	10 593 271	10 925 575	11 243 930
Lower Middle Inc.	1 622 184	1 403 471	1 449 610	1 121 560	1 430 690
Low Income	304 999	231 434	219 734	246 740	194 250
Total	11 229 183	12 023 836	13 255 015	13 260 374	13 503 250
Political stability:					
Stable	231 000	229 000	434 000	441 300	0
Fair	5 565 450	545 525	640 900	2 764 799	819 080
Unstable	3 795 819	9 670 521	11 917 115	9 988 405	11 169 050
Extreme Unst.	1 636 914	1 578 790	263 000	65 870	1 515 120
Total	11 229 183	12 023 836	13 255 015	13 260 374	13 503 250
Country groups and economic blocks:					
ACP	5 553 820	5 220 974	6 296 004	6 493 150	7 132 830
ASEAN	35 093	15 481	14 910	18 820	6 200
BRICS	1 905 480	6 759 925	7 770 171	7 716 922	8 790 890
CPE	110 700	86 630	86 800	86 000	90 000
EC	231 570	229 576	434 000	441 300	457 100
EFTA	0	0	0	0	0
G-8/G-7	263 300	206 600	147 200	0	0
MERCOSUR	211 580	184 275	189 521	244 622	265 200
NAFTA	0	0	0	0	0
OECD	1 297 670	2 451 976	2 394 100	2 258 419	1 921 430
SADC	5 490 356	5 163 464	6 183 264	6 421 140	7 080 240

## Cobalt

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	11 570	13 937	16 084	15 050	15 813
Developing C.	24 127	25 969	29 557	29 635	31 561
Least Developed C.	107 849	93 143	84 772	84 258	91 299
Transition C.	2 337	2 186	2 368	2 302	2 040
Total	145 883	135 235	132 781	131 245	140 713

**Abbreviations:** see Explanation

Annual per capita income:

High Income	13 974	18 754	21 532	21 392	20 313
Upper Middle Inc.	17 668	15 487	16 941	17 066	19 752
Lower Middle Inc.	13 919	13 092	14 875	12 733	11 973
Low Income	100 322	87 902	79 433	80 054	88 675

Total	145 883	135 235	132 781	131 245	140 713
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Political stability:

Stable	480	1 381	2 061	2 104	0
Fair	23 656	24 879	23 248	20 914	23 119
Unstable	20 772	22 542	30 879	31 752	33 194
Extreme Unst.	100 975	86 433	76 593	76 475	84 400

Total	145 883	135 235	132 781	131 245	140 713
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Country groups and economic blocks:

ACP	112 888	98 900	90 965	91 488	99 571
ASEAN	4 700	5 869	6 826	4 646	4 767
BRICS	12 803	13 686	15 742	15 962	15 702
CPE	10 697	11 290	11 899	11 933	12 511
EC	480	1 381	2 061	2 104	2 119
EFTA	0	0	0	0	0
G-8/G-7	9 173	8 862	9 536	6 694	7 664
MERCOSUR	3 623	2 900	3 500	3 828	3 800
NAFTA	6 836	6 676	7 168	6 694	7 664
OECD	11 570	13 937	16 084	15 050	15 813
SADC	108 361	93 361	84 112	86 144	93 332

## Manganese

2011	2012	2013	2014	2015
metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	2 871 166	2 918 120	3 015 088	3 094 347	2 485 118
Developing C.	13 161 051	12 669 532	14 472 639	14 780 904	14 715 124
Least Developed C.	423 092	138 770	180 890	128 920	48 560
Transition C.	1 221 100	1 152 100	1 145 630	1 190 576	947 900

Total	17 676 409	16 878 522	18 814 247	19 194 747	18 196 702
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Annual per capita income:

High Income	2 881 271	2 905 548	2 993 528	3 073 017	2 471 398
Upper Middle Inc.	12 121 686	11 744 064	13 259 429	13 815 240	13 700 984
Lower Middle Inc.	2 416 680	2 114 410	2 403 690	2 306 490	2 021 320
Low Income	256 772	114 500	157 600	0	3 000

Total	17 676 409	16 878 522	18 814 247	19 194 747	18 196 702
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Political stability:

Stable	0	0	0	0	0
Fair	9 507 461	6 309 300	6 353 928	5 957 837	5 225 538
Unstable	7 057 098	9 545 306	12 369 489	12 651 110	12 369 504
Extreme Unst.	1 111 850	1 023 916	90 830	585 800	601 660

Total	17 676 409	16 878 522	18 814 247	19 194 747	18 196 702
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	6 471 092	6 258 600	7 667 480	8 755 390	9 592 180
ASEAN	624 291	667 012	758 134	558 390	357 260
BRICS	6 131 470	9 443 910	10 622 690	11 366 760	11 452 128
CPE	4 167 800	3 526 800	3 781 600	3 360 000	2 534 000
EC	57 890	26 452	39 410	44 360	33 000
EFTA	0	0	0	0	0
G-8/G-7	12 300	4 500	5 000	0	0
MERCOSUR	1 139 000	1 164 000	1 180 000	1 094 000	1 226 458
NAFTA	170 935	188 294	211 559	235 686	217 466
OECD	3 066 631	3 138 212	3 265 407	3 351 823	2 715 414
SADC	3 861 530	4 016 970	4 900 900	6 236 550	7 034 170

## Molybdenum

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	72 026	69 340	68 964	77 588	49 731
Developing C.	182 176	191 280	199 955	210 095	205 215
Least Developed C.	0	0	0	0	0
Transition C.	10 380	11 003	9 813	9 356	9 371
Total	264 582	271 623	278 732	297 039	264 317

Annual per capita income:

High Income	72 465	109 681	111 732	130 912	102 568
Upper Middle Inc.	184 980	154 225	158 968	159 881	153 491
Lower Middle Inc.	7 137	7 717	8 032	6 246	8 258
Low Income	0	0	0	0	0
Total	264 582	271 623	278 732	297 039	264 317

Political stability:

Stable	0	4	8	0	0
Fair	116 165	113 621	117 581	129 801	105 994
Unstable	145 052	154 482	157 672	167 238	156 988
Extreme Unst.	3 365	3 516	3 471	0	1 335
Total	264 582	271 623	278 732	297 039	264 317

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	108 160	125 406	125 860	126 110	116 040
CPE	105 277	122 480	124 079	124 999	115 357
EC	0	0	0	0	0
EFTA	0	4	8	2	1
G-8/G-7	76 866	74 166	72 556	77 558	49 730
MERCOSUR	854	1 617	1 915	954	869
NAFTA	82 813	80 702	81 518	91 928	61 057
OECD	125 565	116 217	121 314	141 218	115 230
SADC	0	0	0	0	0

**Abbreviations:** see Explanation

## Nickel

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	475 779	500 580	511 177	530 685	528 494
Developing C.	1 389 996	1 503 844	1 709 724	1 294 029	1 233 478
Least Developed C.	3 669	13 254	33 008	58 046	71 475
Transition C.	293 332	280 032	294 753	276 050	275 180
Total	2 162 776	2 297 710	2 548 662	2 158 810	2 108 627
Annual per capita income:					
High Income	604 511	886 374	939 583	976 364	714 559
Upper Middle Inc.	651 483	412 316	386 364	356 616	631 778
Lower Middle Inc.	897 990	977 867	1 176 745	772 151	701 106
Low Income	8 792	21 153	45 970	53 679	61 184
Total	2 162 776	2 297 710	2 548 662	2 158 810	2 108 627
Political stability:					
Stable	18 544	19 473	18 860	19 281	0
Fair	565 340	643 474	558 496	558 287	589 470
Unstable	1 221 711	1 583 168	1 921 986	1 581 242	1 510 517
Extreme Unst.	357 181	51 595	49 320	0	8 640
Total	2 162 776	2 297 710	2 548 662	2 158 810	2 108 627
Country groups and economic blocks:					
ACP	151 985	164 590	187 650	194 981	212 944
ASEAN	884 564	971 021	1 154 516	686 763	629 124
BRICS	428 700	482 945	485 808	505 656	506 991
CPE	158 400	157 900	147 366	158 354	161 307
EC	41 454	44 880	48 904	52 538	40 831
EFTA	300	400	300	290	300
G-8/G-7	483 925	465 800	491 743	233 167	262 136
MERCOSUR	99 700	98 400	83 200	89 199	93 009
NAFTA	219 025	211 700	227 743	233 167	262 136
OECD	476 629	504 390	512 257	533 715	537 134
SADC	69 857	71 792	87 018	123 593	134 662

## Niobium (Nb<sub>2</sub>O<sub>5</sub>-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	4 551	4 705	4 916	5 774	5 385
Developing C.	64 705	82 259	76 944	88 821	84 231
Least Developed C.	341	492	631	780	980
Transition C.	431	450	511	581	628
Total	70 028	87 906	83 002	95 956	91 224

**Abbreviations:** see Explanation

Annual per capita income:

High Income	4 551	5 155	5 427	6 355	5 385
Upper Middle Inc.	65 105	82 228	76 914	88 791	84 837
Lower Middle Inc.	31	31	30	30	22
Low Income	341	492	631	780	980

Total	70 028	87 906	83 002	95 956	91 224
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Political stability:

Stable	0	0	0	0	0
Fair	4 562	86 952	4 916	5 774	5 385
Unstable	65 239	636	77 801	89 751	85 090
Extreme Unst.	227	318	285	431	749

Total	70 028	87 906	83 002	95 956	91 224
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Country groups and economic blocks:

ACP	372	523	661	810	1 002
ASEAN	0	0	0	0	0
BRICS	65 105	82 678	77 425	89 372	84 837
CPE	17	14	15	20	20
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	4 982	5 155	5 427	5 774	5 385
MERCOSUR	64 657	82 214	76 899	88 771	84 189
NAFTA	4 551	4 705	4 916	5 774	5 385
OECD	4 551	4 705	4 916	5 774	5 385
SADC	137	226	236	385	699

## Tantalum (Ta<sub>2</sub>O<sub>5</sub>-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	7	0	40	0	20
Developing C.	291	301	353	286	261
Least Developed C.	549	861	891	1 106	1 238
Transition C.	27	31	32	40	32

Total	874	1 193	1 316	1 432	1 551
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Annual per capita income:

High Income	7	31	72	40	20
Upper Middle Inc.	235	210	264	204	237
Lower Middle Inc.	83	91	89	82	56
Low Income	549	861	891	1 106	1 238

Total	874	1 193	1 316	1 432	1 551
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Political stability:

Stable	0	0	0	0	0
Fair	56	302	59	26	45
Unstable	434	399	893	842	621
Extreme Unst.	384	492	364	564	885

Total	874	1 193	1 316	1 432	1 551
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	627	939	966	1 181	1 293
ASEAN	11	26	19	26	25
BRICS	224	215	277	218	212
CPE	61	66	60	60	60
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	27	31	72	0	0
MERCOSUR	136	118	185	118	120
NAFTA	0	0	40	0	0
OECD	7	0	40	0	20
SADC	172	389	279	449	764

Titanium (TiO<sub>2</sub>-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	3 101 080	2 935 670	2 458 100	2 290 010	2 220 640
Developing C.	3 015 825	3 040 140	3 227 660	3 496 835	3 330 850
Least Developed C.	698 438	776 039	837 887	867 490	908 990
Transition C.	327 800	458 150	652 100	591 150	547 030
Total	7 143 143	7 209 999	7 175 747	7 245 485	7 007 510

Annual per capita income:

High Income	3 201 980	3 225 760	2 763 450	2 602 500	2 332 890
Upper Middle Inc.	2 179 905	2 001 480	2 159 990	2 384 635	2 470 370
Lower Middle Inc.	1 062 820	1 206 720	1 411 230	1 446 810	1 295 260
Low Income	698 438	776 039	841 077	811 540	908 990
Total	7 143 143	7 209 999	7 175 747	7 245 485	7 007 510

Political stability:

Stable	382 730	365 470	363 500	0	0
Fair	4 746 680	3 550 590	2 763 190	2 446 990	2 483 030
Unstable	1 599 233	2 872 039	4 049 057	4 148 435	3 860 470
Extreme Unst.	414 500	421 900	0	650 060	664 010
Total	7 143 143	7 209 999	7 175 747	7 245 485	7 007 510

Country groups and economic blocks:

ACP	1 858 438	1 896 339	1 897 277	2 321 400	2 378 740
ASEAN	411 030	520 970	542 240	294 650	150 140
BRICS	1 396 575	2 560 980	2 710 070	2 970 645	2 915 300
CPE	1 245 200	1 308 720	1 553 420	1 408 860	1 213 940
EC	0	0	0	0	0
EFTA	382 730	365 470	363 500	380 010	277 340
G-8/G-7	1 409 000	1 343 000	1 166 000	913 000	890 000
MERCOSUR	40 075	39 780	44 970	46 445	47 000
NAFTA	1 317 000	1 164 000	987 000	913 000	890 000
OECD	3 201 980	3 046 760	2 584 450	2 422 500	2 332 890
SADC	1 516 400	1 441 100	1 456 100	1 877 500	1 678 300

Abbreviations: see Explanation

## Tungsten (W-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	3 988	4 177	4 741	4 936	4 528
Developing C.	73 650	70 913	75 299	73 969	79 322
Least Developed C.	1 099	1 576	1 674	1 491	1 412
Transition C.	4 043	4 512	4 389	3 858	3 490
Total	82 780	81 178	86 103	84 254	88 752
Annual per capita income:					
High Income	3 993	8 472	8 932	8 723	4 536
Upper Middle Inc.	74 622	68 340	72 052	69 126	76 141
Lower Middle Inc.	2 856	2 595	3 360	4 944	6 841
Low Income	1 309	1 771	1 759	1 461	1 234
Total	82 780	81 178	86 103	84 254	88 752
Political stability:					
Stable	0	706	850	819	0
Fair	5 677	4 690	5 800	4 894	9 476
Unstable	76 780	75 481	79 225	78 528	79 210
Extreme Unst.	323	301	228	13	66
Total	82 780	81 178	86 103	84 254	88 752
Country groups and economic blocks:					
ACP	929	1 376	1 474	1 391	1 162
ASEAN	1 920	1 370	1 990	3 700	4 344
BRICS	74 039	72 262	76 085	71 985	76 000
CPE	71 694	68 912	73 394	72 045	77 212
EC	2 017	1 862	2 029	2 312	2 365
EFTA	0	0	0	0	0
G-8/G-7	5 851	6 306	6 583	2 147	2 010
MERCOSUR	244	381	494	510	500
NAFTA	1 956	2 025	2 392	2 147	1 815
OECD	3 993	4 191	4 741	4 948	4 536
SADC	43	101	59	13	55

## Vanadium (V<sub>2</sub>O<sub>5</sub>-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	590	176	998	0	0
Developing C.	53 652	56 957	66 197	67 414	65 598
Least Developed C.	0	0	0	0	0
Transition C.	13 860	15 856	15 403	16 125	17 196
Total	68 102	72 989	82 598	83 539	82 794

**Abbreviations:** see Explanation

Annual per capita income:

High Income	590	15 032	15 401	15 125	0
Upper Middle Inc.	67 512	57 957	67 197	68 414	82 794
Lower Middle Inc.	0	0	0	0	0
Low Income	0	0	0	0	0

Total	68 102	72 989	82 598	83 539	82 794
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Political stability:

Stable	0	0	0	0	0
Fair	22 242	176	998	1 000	0
Unstable	45 860	72 813	81 600	82 539	82 794
Extreme Unst.	0	0	0	0	0

Total	68 102	72 989	82 598	83 539	82 794
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Country groups and economic blocks:

ACP	21 652	19 957	21 397	21 582	17 788
ASEAN	0	0	0	0	0
BRICS	44 860	71 813	80 600	82 539	81 794
CPE	32 000	37 000	44 800	44 800	42 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	13 450	14 962	14 994	0	0
MERCOSUR	0	0	0	1 032	5 810
NAFTA	590	106	591	0	0
OECD	590	176	998	0	0
SADC	21 652	19 957	21 397	21 582	17 788

## 6.3.2 Non-Ferrous Metals

### Aluminium

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	11 800 791	11 109 691	11 037 137	10 645 389	10 754 090
Developing C.	27 238 529	29 575 212	35 073 624	39 494 137	42 450 695
Least Developed C.	562 000	562 000	564 000	566 880	558 390
Transition C.	4 783 596	4 835 448	4 449 502	4 041 516	4 106 075

Total	44 384 916	46 082 351	51 124 263	54 747 922	57 869 250
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Annual per capita income:

High Income	15 046 091	18 553 321	18 415 680	19 316 011	15 666 563
Upper Middle Inc.	26 117 692	24 215 824	29 566 714	32 017 167	38 502 125
Lower Middle Inc.	2 380 769	2 478 700	2 361 500	2 847 864	3 142 172
Low Income	840 364	834 506	780 369	566 880	558 390

Total	44 384 916	46 082 351	51 124 263	54 747 922	57 869 250
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**Abbreviations:** see Explanation

Political stability:

Stable	1 558 000	1 437 863	2 334 060	328 269	1 200 308
Fair	14 808 455	14 422 457	12 153 347	14 548 466	13 703 053
Unstable	25 673 505	27 749 831	35 097 408	39 566 987	42 627 789
Extreme Unst.	2 344 956	2 472 200	1 539 448	304 200	338 100

Total	44 384 916	46 082 351	51 124 263	54 747 922	57 869 250
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Country groups and economic blocks:

ACP	1 492 696	1 339 000	1 499 600	1 442 980	1 352 190
ASEAN	434 400	374 900	545 300	704 500	697 100
BRICS	24 872 156	28 053 800	32 955 700	36 079 703	38 761 149
CPE	17 786 000	20 208 400	25 438 100	28 857 900	31 410 000
EC	2 505 088	2 151 306	2 009 313	2 013 790	2 213 479
EFTA	2 015 039	1 912 066	2 009 225	2 030 639	2 092 803
G-8/G-7	10 092 064	9 770 856	9 520 732	5 550 105	5 469 953
MERCOSUR	2 186 177	2 052 795	1 915 676	1 542 293	1 319 917
NAFTA	4 973 964	4 850 856	4 913 364	4 567 905	4 466 553
OECD	11 604 791	10 904 804	10 829 180	10 412 691	10 528 634
SADC	1 373 483	1 227 000	1 386 000	1 311 880	1 253 390

## Antimony

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	1 644	2 544	3 452	3 832	3 713
Developing C.	135 955	152 322	136 095	134 589	119 284
Least Developed C.	6 328	6 421	8 004	3 980	3 700
Transition C.	13 540	13 469	15 627	20 050	36 559

Total	157 467	174 756	163 178	162 451	163 256
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Annual per capita income:

High Income	1 644	8 944	9 972	10 232	3 713
Upper Middle Inc.	137 535	146 697	130 104	127 933	122 716
Lower Middle Inc.	6 296	6 746	8 595	24 286	36 827
Low Income	11 992	12 369	14 507	0	0

Total	157 467	174 756	163 178	162 451	163 256
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Political stability:

Stable	0	0	0	0	0
Fair	5 105	3 545	5 246	5 452	5 409
Unstable	151 737	171 199	156 955	156 020	155 783
Extreme Unst.	625	12	977	979	2 064

Total	157 467	174 756	163 178	162 451	163 256
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	3 175	3 066	2 405	815	0
ASEAN	7 056	7 573	9 482	5 784	4 696
BRICS	130 248	145 066	129 862	128 615	118 820
CPE	124 186	136 080	121 927	122 498	112 396
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	6 416	6 463	6 697	4	1
MERCOSUR	0	0	0	0	0
NAFTA	168	232	471	270	502
OECD	3 914	9 303	7 926	7 168	6 164
SADC	3 175	3 066	2 405	815	0

## Arsenic

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	1 040	1 040	1 045	1 045	1 045
Developing C.	35 497	39 469	36 198	34 005	34 148
Least Developed C.	0	0	0	0	0
Transition C.	1 500	1 500	1 500	1 500	1 500
Total	38 037	42 009	38 743	36 550	36 693

Annual per capita income:

High Income	1 040	2 540	2 545	2 545	1 045
Upper Middle Inc.	28 348	30 146	27 110	27 090	28 610
Lower Middle Inc.	8 649	9 323	9 088	6 915	7 038
Low Income	0	0	0	0	0
Total	38 037	42 009	38 743	36 550	36 693

Political stability:

Stable	0	0	0	0	0
Fair	2 790	5 085	3 045	3 025	3 045
Unstable	34 749	36 823	35 588	33 525	33 648
Extreme Unst.	498	101	110	0	0
Total	38 037	42 009	38 743	36 550	36 693

Country groups and economic blocks:

ACP	1 750	4 045	2 000	1 980	2 000
ASEAN	400	400	0	0	0
BRICS	26 500	27 500	26 500	26 500	26 500
CPE	25 000	26 000	25 000	25 000	25 000
EC	1 000	1 000	1 000	1 000	1 000
EFTA	0	0	0	0	0
G-8/G-7	1 540	1 540	1 545	45	45
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	1 040	1 040	1 045	1 045	1 045
SADC	1 750	4 045	2 000	1 980	2 000

Abbreviations: see Explanation

## Bauxite (crude ore)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	72 976 624	78 569 553	83 292 920	80 727 749	82 931 560
Developing C.	144 101 448	148 448 710	186 287 956	148 396 980	174 107 608
Least Developed C.	19 099 562	20 779 146	19 457 267	20 389 633	21 883 404
Transition C.	11 826 593	11 142 206	11 545 069	11 347 061	11 320 778
Total	248 004 227	258 939 615	300 583 212	260 861 423	290 243 350
Annual per capita income:					
High Income	73 624 954	84 246 284	90 811 580	91 205 909	85 105 560
Upper Middle Inc.	98 700 488	102 762 609	107 923 893	120 750 103	152 110 417
Lower Middle Inc.	56 579 223	51 151 576	82 390 472	28 515 818	31 422 369
Low Income	19 099 562	20 779 146	19 457 267	20 389 593	21 605 004
Total	248 004 227	258 939 615	300 583 212	260 861 423	290 243 350
Political stability:					
Stable	0	0	0	0	0
Fair	74 733 420	124 892 314	96 116 365	101 833 029	118 332 982
Unstable	141 221 208	96 530 068	203 652 929	158 997 238	170 835 679
Extreme Unst.	32 049 599	37 517 233	813 918	31 156	1 074 689
Total	248 004 227	258 939 615	300 583 212	260 861 423	290 243 350
Country groups and economic blocks:					
ACP	34 740 098	36 320 054	35 535 912	37 381 631	38 114 430
ASEAN	40 925 931	31 664 873	57 725 688	7 306 150	22 671 867
BRICS	88 023 366	100 817 710	112 188 628	124 070 071	135 990 516
CPE	37 273 800	44 152 300	50 821 380	60 302 400	66 200 000
EC	2 682 524	2 160 401	2 045 920	1 967 356	1 921 857
EFTA	0	0	0	0	0
G-8/G-7	5 625 900	5 384 152	5 862 000	199 100	170 000
MERCOSUR	34 222 767	37 273 132	36 237 255	38 654 160	38 048 810
NAFTA	77 500	224 152	128 000	128 000	100 000
OECD	74 015 939	80 186 703	84 080 262	81 810 045	83 969 663
SADC	48 052	67 663	40 130	29 027	6 035

## Bismuth

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	619	556	520	586	775
Developing C.	7 956	6 813	7 922	11 071	11 121
Least Developed C.	0	0	0	0	0
Transition C.	50	56	46	44	44
Total	8 625	7 425	8 488	11 701	11 940

**Abbreviations:** see Explanation

Annual per capita income:

High Income	619	606	560	626	775
Upper Middle Inc.	7 980	6 805	7 912	8 736	8 141
Lower Middle Inc.	26	14	16	2 339	3 024
Low Income	0	0	0	0	0

Total	8 625	7 425	8 488	11 701	11 940
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Political stability:

Stable	0	0	0	0	0
Fair	619	560	524	586	3 775
Unstable	8 006	6 865	7 964	11 115	8 165
Extreme Unst.	0	0	0	0	0

Total	8 625	7 425	8 488	11 701	11 940
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Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	2 324	3 000
BRICS	7 045	6 050	6 540	7 640	7 540
CPE	7 000	6 000	6 500	9 924	10 500
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	664	606	560	586	775
MERCOSUR	0	0	0	0	0
NAFTA	1 071	910	859	952	603
OECD	1 554	1 356	1 344	1 534	1 376
SADC	0	0	0	0	0

## Cadmium

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	5 730	6 065	6 256	6 471	6 037
Developing C.	13 042	14 163	14 202	15 178	14 299
Least Developed C.	0	0	0	0	0
Transition C.	2 378	2 209	2 260	2 676	2 499

Total	21 150	22 437	22 718	24 325	22 835
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Annual per capita income:

High Income	8 735	10 575	10 678	11 416	9 301
Upper Middle Inc.	11 766	11 228	11 571	12 597	13 294
Lower Middle Inc.	449	434	269	112	40
Low Income	200	200	200	200	200

Total	21 150	22 437	22 718	24 325	22 835
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Political stability:

Stable	309	310	310	0	0
Fair	8 885	9 939	9 919	12 434	9 696
Unstable	11 507	11 797	12 489	11 891	13 139
Extreme Unst.	449	391	0	0	0

Total	21 150	22 437	22 718	24 325	22 835
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	8 421	8 856	8 824	9 470	9 400
CPE	6 872	7 465	7 696	8 401	8 400
EC	1 844	1 634	1 832	2 183	1 729
EFTA	309	310	310	320	310
G-8/G-7	5 035	5 051	5 064	4 158	3 988
MERCOSUR	231	237	228	230	239
NAFTA	3 325	3 368	3 364	3 146	2 942
OECD	10 220	11 057	11 229	11 795	10 584
SADC	0	0	0	0	0

## Copper

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	3 330 102	3 491 807	3 788 104	3 873 869	3 913 588
Developing C.	10 145 242	10 482 705	11 244 774	11 258 230	11 900 089
Least Developed C.	1 434 737	1 524 048	1 918 852	2 095 241	2 108 225
Transition C.	1 279 009	1 319 471	1 375 906	1 423 127	1 446 279
Total	16 189 090	16 818 031	18 327 636	18 650 467	19 368 181

Annual per capita income:

High Income	3 349 096	9 568 296	10 199 384	10 401 353	9 622 054
Upper Middle Inc.	10 329 498	4 787 980	5 069 011	5 324 980	6 336 744
Lower Middle Inc.	1 940 761	1 810 612	2 082 594	1 740 466	2 249 058
Low Income	569 735	651 143	976 647	1 183 668	1 160 325
Total	16 189 090	16 818 031	18 327 636	18 650 467	19 368 181

Political stability:

Stable	14 000	25 445	38 763	42 810	0
Fair	9 831 506	10 263 854	10 886 477	11 395 180	11 043 394
Unstable	5 475 169	5 622 481	6 247 247	6 133 611	7 134 692
Extreme Unst.	868 415	906 251	1 155 149	1 078 866	1 190 095
Total	16 189 090	16 818 031	18 327 636	18 650 467	19 368 181

Country groups and economic blocks:

ACP	1 557 436	1 617 151	2 005 427	2 127 252	2 072 351
ASEAN	771 745	637 744	789 164	685 380	901 528
BRICS	2 251 560	2 618 240	2 824 276	2 925 644	2 916 033
CPE	1 435 180	1 720 160	1 924 588	2 068 492	2 060 216
EC	803 023	830 925	856 310	850 454	872 748
EFTA	0	0	0	0	0
G-8/G-7	2 394 779	2 466 882	2 655 795	2 057 429	2 077 238
MERCOSUR	330 460	358 841	380 579	403 771	421 274
NAFTA	2 125 300	2 247 157	2 410 919	2 572 454	2 671 689
OECD	9 120 193	9 406 544	10 039 217	10 108 486	10 257 608
SADC	1 375 259	1 442 396	1 829 776	1 920 110	1 908 797

**Abbreviations:** see Explanation

## Gallium

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	11	12	10	10	8
Developing C.	43	50	128	81	121
Least Developed C.	0	0	0	0	0
Transition C.	42	33	17	14	17
Total	96	95	155	105	146
Annual per capita income:					
High Income	11	14	14	14	8
Upper Middle Inc.	72	70	130	81	125
Lower Middle Inc.	13	11	11	10	13
Low Income	0	0	0	0	0
Total	96	95	155	105	146
Political stability:					
Stable	0	0	0	0	0
Fair	11	12	10	10	8
Unstable	85	83	145	85	125
Extreme Unst.	0	0	0	10	13
Total	96	95	155	105	146
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	53	56	134	85	125
CPE	43	50	128	81	121
EC	5	4	2	2	0
EFTA	0	0	0	0	0
G-8/G-7	16	14	14	8	8
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	11	12	10	10	8
SADC	0	0	0	0	0

## Germanium

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	17	21	22	22	18
Developing C.	86	84	89	95	55
Least Developed C.	0	0	0	0	0
Transition C.	5	6	6	7	7
Total	108	111	117	124	80

**Abbreviations:** see Explanation

Annual per capita income:

High Income	17	26	27	28	18
Upper Middle Inc.	90	84	89	95	61
Lower Middle Inc.	1	1	1	1	1
Low Income	0	0	0	0	0

Total	108	111	117	124	80
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Political stability:

Stable	12	16	17	17	0
Fair	5	5	5	5	18
Unstable	91	90	95	101	61
Extreme Unst.	0	0	0	1	1

Total	108	111	117	124	80
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Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	90	89	94	101	61
CPE	86	84	89	95	55
EC	12	16	17	17	13
EFTA	0	0	0	0	0
G-8/G-7	9	10	10	5	5
MERCOSUR	0	0	0	0	0
NAFTA	3	3	3	3	3
OECD	17	21	22	22	18
SADC	0	0	0	0	0

Lead

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	1 206 150	1 252 850	1 289 252	1 340 251	1 212 775
Developing C.	3 291 253	3 570 667	3 706 302	3 654 457	3 450 400
Least Developed C.	10 060	9 960	14 317	19 980	15 970
Transition C.	221 784	270 807	301 449	341 200	341 660
Total	4 729 247	5 104 284	5 311 320	5 355 888	5 020 805

Annual per capita income:

High Income	1 204 836	1 386 336	1 440 841	1 554 010	1 200 304
Upper Middle Inc.	3 216 170	3 394 837	3 524 986	3 437 972	3 419 049
Lower Middle Inc.	258 641	256 814	269 669	325 926	367 052
Low Income	49 600	66 297	75 824	37 980	34 400

Total	4 729 247	5 104 284	5 311 320	5 355 888	5 020 805
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Political stability:

Stable	0	0	0	0	0
Fair	1 304 997	1 282 781	1 324 043	1 461 524	1 251 689
Unstable	3 286 650	3 660 263	3 933 657	3 881 769	3 685 080
Extreme Unst.	137 600	161 240	53 620	12 595	84 036

Total	4 729 247	5 104 284	5 311 320	5 355 888	5 020 805
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Abbreviations: see Explanation

Country groups and economic blocks:

ACP	69 760	72 989	65 165	54 328	54 273
ASEAN	15 260	10 360	15 200	20 900	15 870
BRICS	2 575 545	2 929 951	3 021 178	2 956 296	2 722 683
CPE	2 395 500	2 651 600	2 738 400	2 647 500	2 373 300
EC	191 045	223 836	217 364	229 680	192 034
EFTA	0	0	0	0	0
G-8/G-7	528 785	558 075	525 714	382 617	367 253
MERCOSUR	34 619	35 397	36 693	40 889	35 400
NAFTA	633 222	645 105	614 039	633 079	631 025
OECD	1 474 948	1 520 377	1 594 832	1 673 461	1 539 976
SADC	62 760	61 689	52 648	41 048	44 273

Lithium (Li<sub>2</sub>O-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	24 097	29 366	23 107	24 558	26 344
Developing C.	39 866	43 080	40 526	44 492	42 005
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	63 963	72 446	63 633	69 050	68 349

Annual per capita income:

High Income	24 097	57 856	47 237	56 878	48 844
Upper Middle Inc.	39 026	12 920	14 716	10 452	17 660
Lower Middle Inc.	0	0	0	0	0
Low Income	840	1 670	1 680	1 720	1 845
Total	63 963	72 446	63 633	69 050	68 349

Political stability:

Stable	0	0	0	0	0
Fair	57 497	63 906	52 937	56 878	56 554
Unstable	6 466	8 540	10 696	12 172	11 795
Extreme Unst.	0	0	0	0	0
Total	63 963	72 446	63 633	69 050	68 349

Country groups and economic blocks:

ACP	840	1 670	1 680	1 720	1 845
ASEAN	0	0	0	0	0
BRICS	5 626	7 260	9 016	10 452	9 950
CPE	5 290	6 870	8 600	10 000	9 500
EC	447	246	237	208	204
EFTA	0	0	0	0	0
G-8/G-7	2 600	2 000	1 870	2 150	2 000
MERCOSUR	6 056	6 050	6 116	7 952	8 160
NAFTA	2 600	2 000	1 870	2 150	2 000
OECD	51 777	57 856	47 237	49 378	48 844
SADC	840	1 670	1 680	1 720	1 845

Abbreviations: see Explanation

## Mercury

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	15	15	15	15	15
Developing C.	1 757	1 643	1 958	2 638	2 241
Least Developed C.	0	0	0	0	0
Transition C.	263	228	211	181	166
Total	2 035	1 886	2 184	2 834	2 422
Annual per capita income:					
High Income	15	114	84	110	29
Upper Middle Inc.	1 787	1 574	1 919	2 573	2 257
Lower Middle Inc.	20	20	51	151	136
Low Income	213	178	130	0	0
Total	2 035	1 886	2 184	2 834	2 422
Political stability:					
Stable	0	0	0	0	0
Fair	135	101	62	60	54
Unstable	1 898	1 785	2 112	2 774	2 368
Extreme Unst.	2	0	10	0	0
Total	2 035	1 886	2 184	2 834	2 422
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	1 543	1 397	1 663	2 310	1 911
CPE	1 493	1 347	1 613	2 260	1 861
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	65	65	65	15	15
MERCOSUR	31	37	28	25	25
NAFTA	137	205	283	316	322
OECD	226	254	302	336	336
SADC	0	0	0	0	0

## Rare Earths Concentrates (REO-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	2 188	5 558	4 741	11 960	14 594
Developing C.	97 761	95 319	94 661	95 220	106 080
Least Developed C.	0	0	0	0	0
Transition C.	1 444	2 131	1 443	2 134	2 312
Total	101 393	103 008	100 845	109 314	122 986

**Abbreviations:** see Explanation

Annual per capita income:

High Income	2 188	7 689	6 184	14 094	14 594
Upper Middle Inc.	99 205	95 319	94 661	95 220	108 392
Lower Middle Inc.	0	0	0	0	0
Low Income	0	0	0	0	0

Total	101 393	103 008	100 845	109 314	122 986
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Political stability:

Stable	0	0	0	0	0
Fair	2 759	5 764	5 002	12 180	14 794
Unstable	98 634	97 244	95 843	97 134	108 192
Extreme Unst.	0	0	0	0	0

Total	101 393	103 008	100 845	109 314	122 986
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Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	571	113	261	220	200
BRICS	98 634	97 337	95 843	97 134	108 192
CPE	96 900	95 000	93 800	95 000	105 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	1 444	4 467	4 916	4 769	3 678
MERCOSUR	290	206	600	0	880
NAFTA	0	2 336	3 473	4 769	3 678
OECD	2 188	5 558	4 741	11 960	14 594
SADC	0	0	0	0	0

## Rhenium

2011 kg	2012 kg	2013 kg	2014 kg	2015 kg
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Development status:

Developed C.	11 380	10 680	12 310	13 835	14 246
Developing C.	25 108	27 238	19 664	20 357	24 935
Least Developed C.	0	0	0	0	0
Transition C.	5 954	5 993	5 198	3 051	5 910

Total	42 442	43 911	37 172	37 243	45 091
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Annual per capita income:

High Income	11 380	37 218	31 174	33 392	36 781
Upper Middle Inc.	29 608	5 200	4 800	2 600	7 206
Lower Middle Inc.	1 454	1 493	1 198	1 251	1 104
Low Income	0	0	0	0	0

Total	42 442	43 911	37 172	37 243	45 091
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Political stability:

Stable	0	0	0	0	0
Fair	34 388	36 011	29 972	32 192	36 781
Unstable	8 054	7 900	7 200	5 051	8 310
Extreme Unst.	0	0	0	0	0

Total	42 442	43 911	37 172	37 243	45 091
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	3 600	3 700	3 800	3 800	3 900
CPE	2 100	2 200	2 300	2 300	2 400
EC	2 770	2 770	5 210	5 335	6 346
EFTA	0	0	0	0	0
G-8/G-7	10 110	9 410	8 600	8 500	7 900
MERCOSUR	0	0	0	0	0
NAFTA	8 610	7 910	7 100	8 500	7 900
OECD	34 388	35 718	29 674	31 892	36 781
SADC	0	0	0	0	0

## Selenium

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	2 028	2 098	2 031	2 108	2 069
Developing C.	820	993	1 309	1 549	1 534
Least Developed C.	0	0	0	0	0
Transition C.	442	325	336	257	231
Total	3 290	3 416	3 676	3 914	3 834

Annual per capita income:

High Income	2 028	2 313	2 222	2 278	2 069
Upper Middle Inc.	1 147	980	1 328	1 530	1 657
Lower Middle Inc.	115	123	126	106	108
Low Income	0	0	0	0	0
Total	3 290	3 416	3 676	3 914	3 834

Political stability:

Stable	86	93	72	94	0
Fair	2 032	2 092	2 020	2 081	2 086
Unstable	1 091	1 215	1 584	1 739	1 748
Extreme Unst.	81	16	0	0	0
Total	3 290	3 416	3 676	3 914	3 834

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	65	70	70	70	70
BRICS	781	861	1 166	1 486	1 497
CPE	500	700	1 000	1 300	1 300
EC	1 091	1 133	1 152	1 184	1 140
EFTA	0	0	0	0	0
G-8/G-7	1 852	1 760	1 729	1 624	1 589
MERCOSUR	0	0	0	0	0
NAFTA	223	240	270	265	263
OECD	2 213	2 263	2 204	2 231	2 176
SADC	0	0	0	0	0

**Abbreviations:** see Explanation

## Tellurium

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	103	110	117	127	130
Developing C.	0	0	22	9	0
Least Developed C.	0	0	0	0	0
Transition C.	30	30	31	33	35
Total	133	140	170	169	165
Annual per capita income:					
High Income	103	140	148	160	130
Upper Middle Inc.	30	0	22	9	35
Lower Middle Inc.	0	0	0	0	0
Low Income	0	0	0	0	0
Total	133	140	170	169	165
Political stability:					
Stable	0	0	0	0	0
Fair	103	110	117	127	130
Unstable	30	30	53	42	35
Extreme Unst.	0	0	0	0	0
Total	133	140	170	169	165
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	30	30	31	33	35
CPE	0	0	0	0	0
EC	0	7	24	31	33
EFTA	0	0	0	0	0
G-8/G-7	133	133	124	96	97
MERCOSUR	0	0	0	0	0
NAFTA	56	60	62	59	60
OECD	103	110	117	127	130
SADC	0	0	0	0	0

## Tin

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	14 048	6 310	6 556	7 282	7 216
Developing C.	295 192	288 138	308 678	308 297	275 386
Least Developed C.	17 634	16 472	17 510	26 343	37 609
Transition C.	75	152	156	321	360
Total	326 949	311 072	332 900	342 243	320 571

**Abbreviations:** see Explanation

Annual per capita income:

High Income	14 048	6 462	6 712	7 603	7 216
Upper Middle Inc.	170 605	159 522	193 278	210 554	177 899
Lower Middle Inc.	124 924	129 136	115 979	115 611	127 867
Low Income	17 372	15 952	16 931	8 475	7 589

Total	326 949	311 072	332 900	342 243	320 571
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Political stability:

Stable	0	0	0	0	0
Fair	22 833	25 902	16 292	11 987	17 799
Unstable	292 428	272 217	309 680	323 711	295 852
Extreme Unst.	11 688	12 953	6 928	6 545	6 920

Total	326 949	311 072	332 900	342 243	320 571
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Country groups and economic blocks:

ACP	16 678	16 260	10 447	10 960	9 887
ASEAN	108 689	112 870	106 759	97 143	109 624
BRICS	138 237	129 755	166 012	183 854	154 194
CPE	132 842	121 354	154 460	163 440	140 404
EC	48	110	84	75	58
EFTA	0	0	0	0	0
G-8/G-7	75	152	156	0	16
MERCOSUR	10 725	13 667	16 830	25 534	18 824
NAFTA	0	0	0	0	0
OECD	14 048	6 310	6 556	7 282	7 216
SADC	10 251	10 460	4 332	4 091	4 629

## Zinc

2011	2012	2013	2014	2015
metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	3 660 364	3 679 071	3 478 238	3 492 326	3 402 481
Developing C.	8 166 968	9 063 670	9 402 352	9 400 612	9 157 205
Least Developed C.	18 930	16 952	45 075	82 150	79 860
Transition C.	640 420	647 011	675 197	658 349	656 931

Total	12 486 682	13 406 704	13 600 862	13 633 437	13 296 477
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Annual per capita income:

High Income	3 657 038	3 898 165	3 731 530	3 802 854	3 470 845
Upper Middle Inc.	7 400 916	8 062 302	8 395 521	8 322 780	8 294 857
Lower Middle Inc.	1 368 958	1 371 447	1 364 781	1 401 753	1 423 765
Low Income	59 770	74 790	109 030	106 050	107 010

Total	12 486 682	13 406 704	13 600 862	13 633 437	13 296 477
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Political stability:

Stable	64 115	52 265	41 124	46 063	0
Fair	3 979 071	4 101 509	3 765 615	4 110 374	3 672 022
Unstable	7 539 136	8 325 786	9 616 547	9 463 630	9 430 315
Extreme Unst.	904 360	927 144	177 576	13 370	194 140

Total	12 486 682	13 406 704	13 600 862	13 633 437	13 296 477
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	238 399	251 024	259 520	263 491	246 580
ASEAN	93 308	89 049	78 046	70 480	58 060
BRICS	5 171 560	6 011 422	6 351 322	6 275 387	5 878 780
CPE	4 170 350	4 978 650	5 295 750	5 214 000	4 841 800
EC	764 864	758 571	743 828	753 963	717 946
EFTA	0	0	0	0	0
G-8/G-7	1 588 700	1 571 000	1 422 345	1 183 625	1 101 219
MERCOSUR	235 840	206 258	199 847	213 766	193 800
NAFTA	2 023 359	2 039 849	1 853 487	1 843 503	1 887 993
OECD	4 480 565	4 554 801	4 336 379	4 394 528	4 393 706
SADC	235 299	237 224	220 305	188 811	159 055

### 6.3.3 Precious Metals

#### Gold

	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg
Development status:					
Developed C.	633 065	637 674	680 583	685 008	699 224
Developing C.	1 444 793	1 485 886	1 550 764	1 599 422	1 622 672
Least Developed C.	222 943	253 345	290 038	305 084	313 708
Transition C.	343 640	349 940	386 621	431 287	452 439
Total	2 644 441	2 726 845	2 908 006	3 020 801	3 088 043
Annual per capita income:					
High Income	636 286	886 381	943 311	1 050 411	738 801
Upper Middle Inc.	1 320 306	1 132 204	1 203 467	1 181 798	1 534 497
Lower Middle Inc.	466 329	496 999	552 368	568 917	584 600
Low Income	221 520	211 261	208 860	219 675	230 145
Total	2 644 441	2 726 845	2 908 006	3 020 801	3 088 043
Political stability:					
Stable	18 539	19 352	21 128	20 074	12 687
Fair	1 029 863	970 724	936 738	921 363	985 523
Unstable	1 428 803	1 514 530	1 732 590	1 909 961	1 873 321
Extreme Unst.	167 236	222 239	217 550	169 403	216 512
Total	2 644 441	2 726 845	2 908 006	3 020 801	3 088 043

Country groups and economic blocks:

ACP	612 246	625 887	691 616	711 117	706 629
ASEAN	123 087	101 710	94 424	102 666	129 783
BRICS	615 263	826 507	884 003	934 964	934 207
CPE	367 996	410 563	438 745	471 885	470 882
EC	21 069	25 427	28 572	27 322	27 039
EFTA	0	0	0	0	0
G-8/G-7	532 343	549 243	584 023	369 650	379 043
MERCOSUR	130 676	125 336	135 762	155 583	156 333
NAFTA	425 198	444 911	479 718	480 307	506 103
OECD	789 716	812 335	874 243	871 043	894 858
SADC	241 215	219 928	232 106	239 524	250 139

**Abbreviations:** see Explanation

## Palladium

	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg
Development status:					
Developed C.	27 063	28 801	30 348	35 920	35 492
Developing C.	90 162	84 091	88 160	76 793	93 693
Least Developed C.	0	0	0	0	0
Transition C.	84 155	81 731	81 765	80 550	75 728
Total	201 380	194 623	200 273	193 263	204 913
Annual per capita income:					
High Income	27 063	110 510	112 088	116 447	35 492
Upper Middle Inc.	165 895	75 977	78 032	66 678	159 366
Lower Middle Inc.	0	0	0	0	0
Low Income	8 422	8 136	10 153	10 138	10 055
Total	201 380	194 623	200 273	193 263	204 913
Political stability:					
Stable	0	379	766	808	0
Fair	108 803	31 004	30 919	35 695	35 670
Unstable	92 577	163 240	168 588	156 760	169 243
Extreme Unst.	0	0	0	0	0
Total	201 380	194 623	200 273	193 263	204 913
Country groups and economic blocks:					
ACP	90 162	84 091	88 160	76 793	93 693
ASEAN	0	0	0	0	0
BRICS	84 135	155 082	158 410	146 622	159 188
CPE	0	0	0	0	0
EC	13	402	796	859	835
EFTA	0	0	0	0	0
G-8/G-7	110 835	109 543	110 662	34 448	34 232
MERCOSUR	0	0	0	0	0
NAFTA	26 700	27 834	28 922	34 448	34 232
OECD	27 063	28 801	30 348	35 920	35 492
SADC	90 162	84 091	88 160	76 793	93 693

## Platinum

	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg
Development status:					
Developed C.	11 814	10 843	12 876	13 654	13 353
Developing C.	163 594	140 254	146 003	124 066	155 630
Least Developed C.	0	0	0	0	0
Transition C.	25 977	24 917	22 894	21 775	20 841
Total	201 385	176 014	181 773	159 495	189 824

**Abbreviations:** see Explanation

Annual per capita income:

High Income	11 814	35 757	35 768	35 426	13 353
Upper Middle Inc.	178 744	129 733	132 940	111 586	163 907
Lower Middle Inc.	0	0	0	0	0
Low Income	10 827	10 524	13 065	12 483	12 564
Total	201 385	176 014	181 773	159 495	189 824

Political stability:

Stable	0	429	946	1 060	0
Fair	163 350	10 849	12 148	12 721	13 386
Unstable	36 804	163 276	166 843	145 714	176 438
Extreme Unst.	1 231	1 460	1 836	0	0
Total	201 385	176 014	181 773	159 495	189 824

Country groups and economic blocks:

ACP	162 363	138 794	144 167	122 931	154 769
ASEAN	0	0	0	0	0
BRICS	25 971	152 749	153 776	132 096	163 013
CPE	0	0	0	0	0
EC	23	468	997	1 146	1 078
EFTA	0	0	0	0	0
G-8/G-7	37 671	35 148	34 615	12 355	12 167
MERCOSUR	0	0	0	0	0
NAFTA	11 700	10 234	11 723	12 355	12 167
OECD	11 814	10 843	12 876	13 654	13 353
SADC	162 363	138 794	144 167	122 931	154 769

## Rhodium

	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg
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Development status:

Developed C.	622	684	570	674	623
Developing C.	20 877	18 838	18 377	15 728	20 132
Least Developed C.	0	0	0	0	0
Transition C.	2 177	2 799	2 488	2 488	2 488
Total	23 676	22 321	21 435	18 890	23 243

Annual per capita income:

High Income	622	3 483	3 058	3 162	623
Upper Middle Inc.	22 114	17 947	17 231	14 588	21 492
Lower Middle Inc.	0	0	0	0	0
Low Income	940	891	1 146	1 140	1 128
Total	23 676	22 321	21 435	18 890	23 243

Political stability:

Stable	0	0	0	0	0
Fair	20 559	684	570	674	623
Unstable	3 117	21 637	20 865	18 216	22 620
Extreme Unst.	0	0	0	0	0
Total	23 676	22 321	21 435	18 890	23 243

**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	20 877	18 838	18 377	15 728	20 132
ASEAN	0	0	0	0	0
BRICS	2 177	20 746	19 719	17 076	21 492
CPE	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	2 799	3 483	3 058	674	623
MERCOSUR	0	0	0	0	0
NAFTA	622	684	570	674	623
OECD	622	684	570	674	623
SADC	20 877	18 838	18 377	15 728	20 132

## Silver

	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg
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Development status:

Developed C.	5 123 876	5 174 133	5 240 759	5 345 103	4 766 486
Developing C.	16 331 264	17 321 135	18 070 667	19 133 465	19 845 999
Least Developed C.	50 404	79 867	124 056	64 267	72 626
Transition C.	2 323 805	2 514 146	2 516 411	2 551 527	3 003 540
Total	23 829 349	25 089 281	25 951 893	27 094 362	27 688 651

Annual per capita income:

High Income	5 116 343	7 729 466	7 777 310	9 232 896	6 248 873
Upper Middle Inc.	16 191 413	14 721 793	15 455 045	14 641 325	18 045 574
Lower Middle Inc.	2 434 432	2 526 301	2 578 196	3 148 096	3 324 342
Low Income	87 161	111 721	141 342	72 045	69 862
Total	23 829 349	25 089 281	25 951 893	27 094 362	27 688 651

Political stability:

Stable	25 485	16 109	25 449	28 641	12 498
Fair	7 222 857	7 170 901	7 327 617	9 040 622	7 546 077
Unstable	16 250 607	17 452 790	18 489 115	18 016 614	19 932 118
Extreme Unst.	330 400	449 481	109 712	8 485	197 958
Total	23 829 349	25 089 281	25 951 893	27 094 362	27 688 651

Country groups and economic blocks:

ACP	221 815	250 091	358 084	314 451	236 201
ASEAN	310 595	351 004	228 156	213 574	255 425
BRICS	5 018 782	5 525 605	5 538 842	5 335 263	5 467 423
CPE	3 330 150	3 715 880	3 761 273	3 603 964	3 512 392
EC	1 651 676	1 654 633	1 708 747	1 799 601	1 905 714
EFTA	0	0	0	0	0
G-8/G-7	3 331 406	3 169 311	3 108 739	1 682 844	1 474 476
MERCOSUR	717 238	769 739	796 904	930 493	1 104 291
NAFTA	6 561 099	7 098 750	7 504 363	7 444 965	7 425 011
OECD	11 424 007	11 850 565	12 362 102	12 838 567	12 392 050
SADC	96 760	101 626	164 925	93 654	73 770

**Abbreviations:** see Explanation

## 6.3.4 Industrial Minerals

### Asbestos

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	50 000	0	0	0	0
Developing C.	746 596	724 988	711 374	711 227	710 000
Least Developed C.	0	0	0	0	0
Transition C.	1 223 200	1 241 200	1 054 400	1 063 100	1 079 700
Total	2 019 796	1 966 188	1 765 774	1 774 327	1 789 700

#### Annual per capita income:

High Income	50 000	1 000 000	811 000	850 000	0
Upper Middle Inc.	1 969 520	965 769	954 225	924 327	1 789 700
Lower Middle Inc.	276	389	172	0	0
Low Income	0	30	377	0	0
Total	2 019 796	1 966 188	1 765 774	1 774 327	1 789 700

#### Political stability:

Stable	0	0	0	0	0
Fair	50 000	304 569	0	213 100	0
Unstable	1 969 520	1 661 230	1 765 774	1 561 227	1 789 700
Extreme Unst.	276	389	0	0	0
Total	2 019 796	1 966 188	1 765 774	1 774 327	1 789 700

#### Country groups and economic blocks:

ACP	0	30	377	0	0
ASEAN	0	0	0	0	0
BRICS	1 746 596	1 724 958	1 521 997	1 561 227	1 610 000
CPE	440 000	420 000	420 000	400 000	400 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	1 050 000	1 000 000	811 000	0	0
MERCOSUR	306 320	304 569	290 825	311 227	310 000
NAFTA	50 000	0	0	0	0
OECD	50 000	0	0	0	0
SADC	0	30	377	0	0

### Baryte

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	848 111	806 903	854 622	852 151	590 314
Developing C.	8 233 532	9 160 254	8 329 762	7 902 675	7 652 215
Least Developed C.	44 143	37 239	41 795	53 670	93 166
Transition C.	528 213	653 100	733 700	870 500	922 300
Total	9 653 999	10 657 496	9 959 879	9 678 996	9 257 995

**Abbreviations:** see Explanation

Annual per capita income:

High Income	878 111	901 903	1 054 622	1 113 516	633 314
Upper Middle Inc.	6 035 643	6 733 765	6 345 350	6 308 306	6 175 299
Lower Middle Inc.	2 708 502	3 006 489	2 528 612	2 257 174	2 449 382
Low Income	31 743	15 339	31 295	0	0

Total	9 653 999	10 657 496	9 959 879	9 678 996	9 257 995
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Political stability:

Stable	0	0	0	0	0
Fair	943 091	1 114 282	981 366	1 567 082	848 285
Unstable	6 454 728	7 265 686	8 287 805	7 964 256	7 534 827
Extreme Unst.	2 256 180	2 277 528	690 708	147 658	874 883

Total	9 653 999	10 657 496	9 959 879	9 678 996	9 257 995
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Country groups and economic blocks:

ACP	4 988	10 000	10 000	10 000	10 000
ASEAN	199 846	191 738	239 732	315 087	420 411
BRICS	6 355 458	6 438 565	5 375 465	5 229 352	4 057 000
CPE	4 390 000	4 490 000	4 090 000	4 212 000	3 124 000
EC	105 542	106 530	96 446	152 475	129 297
EFTA	0	0	0	0	0
G-8/G-7	883 842	836 530	990 446	816 575	563 297
MERCOSUR	221 458	195 479	60 687	17 754	14 017
NAFTA	866 727	827 997	1 088 585	1 035 000	720 700
OECD	1 233 624	1 774 552	1 934 523	1 406 135	1 511 957
SADC	0	0	0	0	0

## Bentonite

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	7 860 581	7 981 771	7 120 173	7 710 363	7 102 896
Developing C.	7 172 373	8 156 586	7 965 416	8 117 770	9 584 396
Least Developed C.	1 663	2 396	1 645	739	350
Transition C.	773 284	833 546	1 103 484	1 031 903	1 015 032

Total	15 807 901	16 974 299	16 190 718	16 860 775	17 702 674
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Annual per capita income:

High Income	7 935 704	8 446 104	7 855 206	8 611 413	7 105 421
Upper Middle Inc.	6 366 316	6 951 089	6 550 564	6 417 396	9 130 301
Lower Middle Inc.	1 504 218	1 574 710	1 783 303	1 831 227	1 466 602
Low Income	1 663	2 396	1 645	739	350

Total	15 807 901	16 974 299	16 190 718	16 860 775	17 702 674
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Political stability:

Stable	0	2 263	762	1 000	700
Fair	7 224 002	7 282 580	6 477 722	6 998 389	6 243 501
Unstable	7 064 388	8 114 397	9 278 013	9 593 012	8 072 279
Extreme Unst.	1 519 511	1 575 059	434 221	268 374	3 386 194

Total	15 807 901	16 974 299	16 190 718	16 860 775	17 702 674
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	123 154	123 080	177 615	172 558	166 385
ASEAN	63 977	150 750	12 032	10 370	10 350
BRICS	5 250 782	5 487 582	6 152 933	6 175 730	5 935 535
CPE	3 501 244	3 500 668	3 610 335	3 600 700	3 650 500
EC	2 416 781	2 511 508	2 179 411	2 339 363	2 487 196
EFTA	0	0	0	0	0
G-8/G-7	6 388 143	6 399 977	5 932 664	5 726 264	4 956 671
MERCOSUR	524 349	485 341	514 720	552 411	524 252
NAFTA	5 553 795	5 936 224	5 176 887	5 319 625	4 334 236
OECD	8 830 587	9 770 335	8 577 029	9 201 881	10 403 280
SADC	121 910	122 412	177 280	171 858	165 885

## Boron

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	1 092 700	1 102 000	1 032 000	1 118 000	1 218 000
Developing C.	3 556 271	3 589 956	3 554 920	3 298 237	3 629 546
Least Developed C.	0	0	0	0	0
Transition C.	105 000	105 000	106 199	111 234	112 000
Total	4 753 971	4 796 956	4 693 119	4 527 471	4 959 546

Annual per capita income:

High Income	1 092 700	1 626 572	1 690 273	2 070 767	1 735 584
Upper Middle Inc.	3 526 271	3 042 746	2 845 508	2 304 905	3 075 224
Lower Middle Inc.	135 000	127 638	157 338	151 799	148 738
Low Income	0	0	0	0	0
Total	4 753 971	4 796 956	4 693 119	4 527 471	4 959 546

Political stability:

Stable	0	0	0	0	0
Fair	2 232 927	2 077 246	2 039 214	2 019 533	2 035 584
Unstable	2 520 000	2 716 710	2 652 991	2 507 938	1 083 962
Extreme Unst.	1 044	3 000	914	0	1 840 000
Total	4 753 971	4 796 956	4 693 119	4 527 471	4 959 546

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	225 000	235 000	241 199	246 234	242 000
CPE	150 000	160 000	165 000	165 000	160 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	1 167 700	1 177 000	1 108 199	1 118 000	1 218 000
MERCOSUR	648 806	525 674	425 140	375 000	300 000
NAFTA	1 092 700	1 102 000	1 032 000	1 118 000	1 218 000
OECD	3 714 121	3 771 572	3 614 074	3 484 533	3 575 584
SADC	0	0	0	0	0

**Abbreviations:** see Explanation

## Diamonds (Gem)

	2011 ct	2012 ct	2013 ct	2014 ct	2015 ct
Development status:					
Developed C.	14 588 606	15 027 652	16 346 800	16 562 797	18 322 261
Developing C.	22 982 941	22 751 086	24 123 868	23 997 012	20 807 519
Least Developed C.	12 151 494	12 929 550	12 862 232	12 199 870	12 099 839
Transition C.	21 083 880	20 956 590	22 730 484	22 982 100	25 147 434
Total	70 806 921	71 664 878	76 063 384	75 741 779	76 377 053
Annual per capita income:					
High Income	14 588 606	35 984 242	39 077 284	39 544 897	18 322 261
Upper Middle Inc.	48 744 314	26 425 707	29 252 541	30 206 120	52 907 486
Lower Middle Inc.	312 215	301 011	255 008	340 810	215 022
Low Income	7 161 786	8 953 918	7 478 551	5 649 952	4 932 284
Total	70 806 921	71 664 878	76 063 384	75 741 779	76 377 053
Political stability:					
Stable	0	0	0	0	0
Fair	35 009 680	31 429 614	34 116 222	35 614 399	34 714 519
Unstable	31 459 251	35 435 018	38 387 362	36 795 780	38 511 834
Extreme Unst.	4 337 990	4 800 246	3 559 800	3 331 600	3 150 700
Total	70 806 921	71 664 878	76 063 384	75 741 779	76 377 053
Country groups and economic blocks:					
ACP	35 117 731	35 659 975	36 965 825	36 175 208	32 893 969
ASEAN	0	0	0	0	0
BRICS	21 100 584	23 877 222	26 002 242	26 227 301	28 453 917
CPE	201	1 855	1 050	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	31 835 882	31 485 590	33 330 144	12 011 619	11 677 471
MERCOSUR	15 024	16 247	16 225	18 785	10 503
NAFTA	10 752 002	10 529 000	10 599 660	12 011 619	11 677 471
OECD	14 588 606	15 027 652	16 346 800	16 562 797	18 322 261
SADC	34 125 237	34 534 390	36 154 102	35 234 574	32 064 282

## Diamonds (Ind)

	2011 ct	2012 ct	2013 ct	2014 ct	2015 ct
Development status:					
Developed C.	3 993 201	4 682 271	5 981 717	4 736 940	6 916 005
Developing C.	17 354 554	19 227 961	19 233 986	15 868 763	13 791 301
Least Developed C.	16 713 733	18 731 810	15 745 830	14 681 692	13 931 376
Transition C.	14 055 920	13 971 060	15 153 656	15 321 400	16 764 956
Total	52 117 408	56 613 102	56 115 189	50 608 795	51 403 638

**Abbreviations:** see Explanation

Annual per capita income:

High Income	3 993 201	18 653 331	21 135 373	20 058 340	6 916 005
Upper Middle Inc.	26 128 172	11 484 714	12 742 230	13 244 225	28 992 582
Lower Middle Inc.	342 644	517 374	470 741	440 340	356 695
Low Income	21 653 391	25 957 683	21 766 845	16 865 890	15 138 356

Total	52 117 408	56 613 102	56 115 189	50 608 795	51 403 638
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Political stability:

Stable	0	0	0	0	0
Fair	15 438 117	11 429 169	13 240 761	12 228 603	13 286 259
Unstable	21 122 374	27 795 207	28 635 228	25 053 792	25 514 589
Extreme Unst.	15 556 917	17 388 726	14 239 200	13 326 400	12 602 790

Total	52 117 408	56 613 102	56 115 189	50 608 795	51 403 638
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Country groups and economic blocks:

ACP	34 020 775	37 897 354	34 912 360	30 479 099	27 668 170
ASEAN	0	0	0	0	0
BRICS	14 103 432	18 383 434	20 098 336	20 228 046	21 759 103
CPE	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	14 055 920	13 971 060	15 153 656	0	0
MERCOSUR	30 502	32 987	32 941	38 138	21 323
NAFTA	0	0	0	0	0
OECD	3 993 201	4 682 271	5 981 717	4 736 940	6 916 005
SADC	33 578 298	37 515 471	34 594 913	30 187 377	27 407 341

## Diatomite

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	1 173 249	1 054 402	1 107 055	1 259 043	1 130 000
Developing C.	766 741	1 011 893	1 030 705	1 057 488	997 121
Least Developed C.	4 149	4 541	4 375	4 078	4 000
Transition C.	29 232	29 148	19 376	20 439	18 915

Total	1 973 371	2 099 984	2 161 511	2 341 048	2 150 036
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Annual per capita income:

High Income	1 178 399	1 083 423	1 168 147	1 555 936	1 171 496
Upper Middle Inc.	759 552	981 126	968 559	759 400	954 535
Lower Middle Inc.	29 232	29 148	19 376	21 634	20 005
Low Income	6 188	6 287	5 429	4 078	4 000

Total	1 973 371	2 099 984	2 161 511	2 341 048	2 150 036
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Political stability:

Stable	0	0	4	43 624	0
Fair	1 266 066	1 337 888	1 415 556	1 523 163	1 392 033
Unstable	701 073	754 213	732 451	769 066	666 257
Extreme Unst.	6 232	7 883	13 500	5 195	91 746

Total	1 973 371	2 099 984	2 161 511	2 341 048	2 150 036
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	6 188	6 287	5 429	5 273	5 090
ASEAN	38 130	8 500	0	0	0
BRICS	444 415	423 427	431 947	435 080	425 000
CPE	440 000	420 000	430 000	430 000	420 000
EC	340 249	299 402	315 813	302 419	283 000
EFTA	0	0	0	0	0
G-8/G-7	898 000	820 000	867 000	991 000	922 000
MERCOSUR	65 066	281 553	210 947	205 080	205 000
NAFTA	897 231	819 537	869 463	988 849	921 810
OECD	1 330 755	1 254 363	1 340 181	1 505 669	1 347 962
SADC	49	541	375	78	0

## Feldspar

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	10 608 084	10 567 980	10 552 551	10 475 032	9 337 534
Developing C.	16 168 847	19 031 876	24 132 970	18 643 780	20 964 077
Least Developed C.	9 519	26 283	31 700	50 680	94 354
Transition C.	387 232	343 381	390 601	340 582	289 789
Total	27 173 682	29 969 520	35 107 822	29 510 074	30 685 754

Annual per capita income:

High Income	11 148 491	11 316 780	11 274 235	11 690 887	10 114 341
Upper Middle Inc.	12 882 585	15 657 385	20 146 452	14 179 221	17 351 951
Lower Middle Inc.	3 142 606	2 995 355	3 687 135	3 639 966	3 219 462
Low Income	0	0	0	0	0
Total	27 173 682	29 969 520	35 107 822	29 510 074	30 685 754

Political stability:

Stable	51 563	75 124	82 636	81 233	0
Fair	11 621 814	10 819 578	11 361 193	11 567 412	10 529 418
Unstable	13 590 313	15 702 292	20 929 526	17 223 571	9 256 148
Extreme Unst.	1 909 992	3 372 526	2 734 467	637 858	10 900 188
Total	27 173 682	29 969 520	35 107 822	29 510 074	30 685 754

Country groups and economic blocks:

ACP	114 178	124 541	226 343	156 821	227 838
ASEAN	3 201 731	2 106 537	2 948 043	3 300 206	2 914 393
BRICS	3 428 878	4 060 618	4 320 282	4 171 678	4 585 184
CPE	2 103 100	2 103 800	2 103 200	2 103 600	2 503 300
EC	9 819 388	9 812 046	9 838 866	9 792 552	8 671 681
EFTA	25 271	0	0	1 278	76
G-8/G-7	8 825 873	8 920 499	9 003 705	9 216 646	8 024 326
MERCOSUR	626 799	606 163	611 850	732 005	695 727
NAFTA	962 497	940 441	714 484	680 726	679 372
OECD	18 454 619	20 789 920	24 821 341	19 112 223	20 520 279
SADC	101 559	94 458	191 443	102 541	130 184

Abbreviations: see Explanation

## Fluorspar

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	174 903	224 902	258 054	386 482	401 288
Developing C.	6 446 600	6 459 758	6 104 000	6 422 342	6 026 782
Least Developed C.	50	950	0	2 000	2 000
Transition C.	119 800	129 000	56 200	8 200	8 000
Total	6 741 353	6 814 610	6 418 254	6 819 024	6 438 070
Annual per capita income:					
High Income	174 903	284 202	231 754	298 882	269 388
Upper Middle Inc.	5 960 575	5 906 107	5 657 914	6 229 305	5 504 093
Lower Middle Inc.	498 324	526 801	451 599	283 837	658 589
Low Income	107 551	97 500	76 987	7 000	6 000
Total	6 741 353	6 814 610	6 418 254	6 819 024	6 438 070
Political stability:					
Stable	0	0	0	0	0
Fair	925 238	686 981	715 088	834 766	930 588
Unstable	5 748 115	5 938 028	5 616 712	5 876 702	5 422 288
Extreme Unst.	68 000	189 601	86 454	107 556	85 194
Total	6 741 353	6 814 610	6 418 254	6 819 024	6 438 070
Country groups and economic blocks:					
ACP	381 437	336 445	295 111	361 194	290 096
ASEAN	5 093	9 602	18 351	100 084	229 095
BRICS	4 349 850	4 526 578	4 244 174	4 499 050	4 654 333
CPE	4 619 600	4 635 400	4 358 719	4 713 794	4 898 300
EC	206 703	224 902	258 054	386 482	401 288
EFTA	0	0	0	0	0
G-8/G-7	185 419	183 202	134 944	135 100	138 741
MERCOSUR	50 139	60 022	65 679	58 849	59 000
NAFTA	1 206 907	1 237 091	1 210 477	1 109 721	624 574
OECD	1 386 334	1 397 490	1 389 905	1 369 674	900 200
SADC	286 336	244 495	223 124	264 038	220 000

## Graphite

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	35 714	39 320	36 676	38 975	40 028
Developing C.	1 112 095	1 131 981	1 064 079	1 037 420	1 046 801
Least Developed C.	3 573	3 629	3 833	5 316	8 100
Transition C.	22 000	20 000	21 000	23 000	23 000
Total	1 173 382	1 194 930	1 125 588	1 104 711	1 117 929

**Abbreviations:** see Explanation

Annual per capita income:

High Income	28 714	46 320	50 676	53 975	40 090
Upper Middle Inc.	939 146	954 130	877 672	880 036	876 597
Lower Middle Inc.	164 697	143 829	156 473	128 531	146 780
Low Income	40 825	50 651	40 767	42 169	54 462

Total	1 173 382	1 194 930	1 125 588	1 104 711	1 117 929
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Political stability:

Stable	7 789	7 211	6 407	150	0
Fair	27 925	120 219	30 269	38 825	40 090
Unstable	983 969	932 765	1 088 912	1 057 736	1 069 839
Extreme Unst.	153 699	134 735	0	8 000	8 000

Total	1 173 382	1 194 930	1 125 588	1 104 711	1 117 929
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Country groups and economic blocks:

ACP	10 825	10 651	10 767	12 169	14 462
ASEAN	0	0	0	0	0
BRICS	1 072 527	1 056 845	1 002 298	998 738	1 004 641
CPE	830 000	860 000	780 000	810 000	820 000
EC	7 925	7 328	469	667	843
EFTA	7 789	6 992	6 207	8 308	9 185
G-8/G-7	34 000	39 109	44 269	30 517	30 398
MERCOSUR	105 188	88 110	91 908	87 026	75 073
NAFTA	27 348	32 520	37 024	39 160	36 524
OECD	41 312	71 340	72 440	51 985	46 614
SADC	7 252	7 022	6 934	12 169	14 462

## Gypsum and Anhydrite

2011	2012	2013	2014	2015
metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	42 625 434	40 890 008	42 657 792	45 005 103	45 842 137
Developing C.	99 500 778	107 785 663	110 946 704	110 283 728	109 562 202
Least Developed C.	1 698 445	1 667 787	2 026 521	1 817 430	1 910 990
Transition C.	8 041 274	7 547 635	7 797 311	7 293 841	6 476 081

Total	151 865 931	157 891 093	163 428 328	164 400 102	163 791 410
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Annual per capita income:

High Income	45 435 997	48 617 252	51 553 350	56 112 507	53 814 412
Upper Middle Inc.	94 885 406	98 801 402	101 800 385	99 342 256	101 083 088
Lower Middle Inc.	10 206 897	9 869 507	9 663 131	8 642 660	8 536 110
Low Income	1 337 631	602 932	411 462	302 679	357 800

Total	151 865 931	157 891 093	163 428 328	164 400 102	163 791 410
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Political stability:

Stable	310 000	1 121 961	975 299	1 069 892	340 000
Fair	46 810 627	42 468 247	47 911 072	50 689 931	54 895 697
Unstable	77 487 877	86 403 665	76 978 030	108 069 256	95 776 085
Extreme Unst.	27 257 427	27 897 220	37 563 927	4 571 023	12 779 628

Total	151 865 931	157 891 093	163 428 328	164 400 102	163 791 410
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	1 238 990	1 620 777	1 591 157	1 445 313	1 386 853
ASEAN	12 396 722	12 943 336	14 492 373	14 119 250	12 851 028
BRICS	48 114 737	50 043 825	49 230 797	50 801 084	50 581 688
CPE	37 136 400	38 136 000	38 092 100	40 097 800	40 090 900
EC	27 882 878	21 792 656	22 255 714	24 830 395	25 357 828
EFTA	310 000	330 000	340 000	340 000	340 000
G-8/G-7	31 261 111	30 130 906	31 512 398	29 758 134	29 719 482
MERCOSUR	4 693 228	5 186 877	4 887 491	4 951 512	4 954 500
NAFTA	18 683 309	24 806 478	24 957 159	23 736 272	24 029 482
OECD	54 561 483	57 820 786	59 780 486	60 257 744	60 690 214
SADC	734 818	889 842	1 019 943	756 402	786 488

## Kaolin

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	17 342 718	16 619 669	17 076 139	17 099 567	16 274 665
Developing C.	14 524 875	15 783 684	16 437 366	15 870 643	16 767 990
Least Developed C.	41 854	60 087	74 516	103 795	56 887
Transition C.	1 773 268	1 611 482	1 583 343	1 839 772	2 235 000
Total	33 682 715	34 074 922	35 171 364	34 913 777	35 334 542

Annual per capita income:

High Income	18 365 944	17 295 599	17 635 530	17 495 718	16 627 131
Upper Middle Inc.	8 913 886	9 393 337	9 468 202	9 985 811	10 092 367
Lower Middle Inc.	6 212 027	7 211 878	8 018 016	7 378 453	8 572 647
Low Income	190 858	174 108	49 616	53 795	42 397
Total	33 682 715	34 074 922	35 171 364	34 913 777	35 334 542

Political stability:

Stable	21 545	25 075	24 624	75 725	13 659
Fair	19 667 414	20 043 485	18 788 308	17 900 725	17 880 446
Unstable	9 604 838	8 405 016	14 840 081	15 040 089	13 300 089
Extreme Unst.	4 388 918	5 601 346	1 518 351	1 897 238	4 140 348
Total	33 682 715	34 074 922	35 171 364	34 913 777	35 334 542

Country groups and economic blocks:

ACP	161 174	185 687	201 511	233 853	179 637
ASEAN	1 855 677	1 858 618	1 809 460	1 741 365	1 704 337
BRICS	8 248 795	10 017 197	10 292 814	9 288 638	10 494 006
CPE	3 853 000	3 954 000	3 953 600	3 951 700	4 651 500
EC	11 518 833	10 615 889	10 702 146	10 605 281	10 105 641
EFTA	0	0	0	0	0
G-8/G-7	12 705 516	12 018 796	12 538 811	12 323 313	11 365 041
MERCOSUR	1 992 648	2 467 021	2 218 793	2 105 000	1 708 856
NAFTA	6 322 506	6 414 730	6 809 860	6 796 437	6 356 049
OECD	19 803 178	18 445 534	19 192 168	19 814 850	18 598 982
SADC	16 397	21 922	23 202	31 067	24 150

Abbreviations: see Explanation

## Magnesite

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	4 055 022	3 615 313	3 621 258	3 526 443	3 362 027
Developing C.	19 813 041	19 662 547	20 905 095	22 203 490	22 133 134
Least Developed C.	0	0	0	0	0
Transition C.	1 320 900	1 420 900	1 424 000	1 424 000	1 320 000
Total	25 188 963	24 698 760	25 950 353	27 153 933	26 815 161
Annual per capita income:					
High Income	4 214 022	5 054 313	5 084 658	4 997 443	3 439 027
Upper Middle Inc.	20 590 665	19 232 634	20 458 856	21 657 043	22 921 331
Lower Middle Inc.	234 107	261 813	226 839	319 247	300 803
Low Income	150 169	150 000	180 000	180 200	154 000
Total	25 188 963	24 698 760	25 950 353	27 153 933	26 815 161
Political stability:					
Stable		778 810	714 422	766 372	0
Fair	3 545 196	2 314 564	2 523 836	2 423 803	2 998 797
Unstable	21 237 274	21 232 527	22 534 649	23 959 988	20 476 525
Extreme Unst.	406 493	372 859	177 446	3 770	3 339 839
Total	25 188 963	24 698 760	25 950 353	27 153 933	26 815 161
Country groups and economic blocks:					
ACP	32 156	12 878	8 219	10 000	10 000
ASEAN	4 784	4 822	5 998	6 200	6 200
BRICS	18 000 909	18 116 497	19 162 590	20 675 009	19 565 022
CPE	16 150 000	16 150 000	17 180 000	18 610 200	17 594 000
EC	3 259 050	2 872 513	2 963 891	2 785 488	2 548 815
EFTA	0	0	0	0	0
G-8/G-7	1 450 000	1 550 000	1 550 000	150 000	150 000
MERCOSUR	476 805	479 304	557 431	550 000	550 000
NAFTA	150 000	250 724	251 000	250 000	251 000
OECD	6 643 298	6 191 865	6 319 723	6 003 600	6 798 285
SADC	32 156	12 878	8 219	10 000	10 000

## Perlite

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	1 358 340	1 367 934	1 357 324	1 497 078	1 397 945
Developing C.	814 990	1 024 574	1 217 407	1 061 485	980 754
Least Developed C.	0	0	0	0	0
Transition C.	119 627	45 000	122 784	129 904	102 657
Total	2 292 957	2 437 508	2 697 515	2 688 467	2 481 356

**Abbreviations:** see Explanation

Annual per capita income:

High Income	1 358 340	1 342 934	1 376 100	1 565 558	1 400 945
Upper Middle Inc.	853 718	1 085 353	1 229 382	1 020 871	1 005 754
Lower Middle Inc.	80 899	9 221	92 033	102 038	74 657
Low Income	0	0	0	0	0

Total	2 292 957	2 437 508	2 697 515	2 688 467	2 481 356
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Political stability:

Stable	0	3 598	0	0	0
Fair	544 265	512 603	574 645	535 230	533 557
Unstable	1 722 420	1 891 307	2 053 476	2 153 237	1 104 557
Extreme Unst.	26 272	30 000	69 394	0	843 242

Total	2 292 957	2 437 508	2 697 515	2 688 467	2 481 356
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Country groups and economic blocks:

ACP	1 349	1 740	1 078	1 000	1 000
ASEAN	32 772	50 621	28 542	71 234	34 200
BRICS	45 000	46 740	46 078	46 000	46 000
CPE	0	0	0	0	0
EC	935 978	970 396	937 024	1 035 078	938 945
EFTA	0	0	0	0	0
G-8/G-7	465 000	438 000	464 000	462 000	459 000
MERCOSUR	27 446	24 663	24 737	22 680	23 282
NAFTA	450 750	422 950	446 200	488 000	472 000
OECD	2 091 763	2 285 484	2 465 273	2 421 003	2 257 187
SADC	1 349	1 740	1 078	1 000	1 000

## Phosphates (P<sub>2</sub>O<sub>5</sub>-Content)

2011	2012	2013	2014	2015
metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	10 034 390	10 549 360	10 818 940	8 959 870	9 660 435
Developing C.	47 368 519	51 300 253	57 886 992	60 265 317	66 362 292
Least Developed C.	858 885	908 960	1 010 994	868 680	1 058 340
Transition C.	4 374 000	4 493 600	4 660 500	4 794 910	5 239 300

Total	62 635 794	67 252 173	74 377 426	74 888 777	82 320 367
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Annual per capita income:

High Income	10 034 390	14 760 330	15 282 130	13 531 500	10 066 305
Upper Middle Inc.	39 511 011	40 144 180	46 021 395	48 626 477	58 734 212
Lower Middle Inc.	12 473 678	11 671 413	12 173 227	12 018 940	12 320 810
Low Income	616 715	676 250	900 674	711 860	1 199 040

Total	62 635 794	67 252 173	74 377 426	74 888 777	82 320 367
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Political stability:

Stable	313 100	308 900	315 800	340 640	0
Fair	10 700 827	12 569 180	10 474 860	8 264 530	9 346 435
Unstable	48 985 929	52 132 923	61 312 426	64 564 957	71 118 702
Extreme Unst.	2 635 938	2 241 170	2 274 340	1 718 650	1 855 230

Total	62 635 794	67 252 173	74 377 426	74 888 777	82 320 367
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	1 967 572	1 866 400	1 893 894	1 630 580	1 752 340
ASEAN	725 378	714 813	801 067	746 110	831 930
BRICS	31 118 340	36 120 400	40 237 010	43 892 340	50 288 010
CPE	25 178 490	29 392 940	33 444 830	36 967 670	43 533 530
EC	313 100	308 900	315 800	340 640	344 360
EFTA	0	0	0	0	0
G-8/G-7	11 982 000	12 490 000	13 025 000	7 110 000	7 710 000
MERCOSUR	2 420 970	2 430 430	2 533 780	2 531 030	2 174 370
NAFTA	8 667 182	9 107 400	9 647 435	7 630 040	8 288 830
OECD	10 397 442	10 926 070	11 561 315	9 513 180	10 281 635
SADC	914 527	797 950	973 160	868 160	699 430

## Potash (K<sub>2</sub>O-Content)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	17 524 331	16 064 876	17 415 863	17 932 132	17 775 352
Developing C.	5 232 792	6 411 649	6 871 722	7 604 161	7 741 210
Least Developed C.	0	26 600	82 500	189 400	239 100
Transition C.	11 646 000	10 446 000	10 375 300	13 696 360	13 411 000
Total	34 403 123	32 949 125	34 745 385	39 422 053	39 166 662

Annual per capita income:

High Income	17 524 331	22 624 376	24 657 253	26 360 112	18 954 912
Upper Middle Inc.	16 848 792	10 190 149	9 921 032	12 776 181	19 869 650
Lower Middle Inc.	30 000	134 600	167 100	285 760	342 100
Low Income	0	0	0	0	0
Total	34 403 123	32 949 125	34 745 385	39 422 053	39 166 662

Political stability:

Stable	0	0	0	0	0
Fair	16 684 371	19 850 525	16 798 453	23 798 912	17 913 012
Unstable	17 718 752	13 098 600	17 943 332	15 623 141	21 253 650
Extreme Unst.	0	0	3 600	0	0
Total	34 403 123	32 949 125	34 745 385	39 422 053	39 166 662

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	26 600	82 500	189 400	239 100
BRICS	9 303 802	9 753 509	10 658 892	11 971 021	11 333 000
CPE	2 598 800	3 900 000	4 300 000	4 400 000	4 200 000
EC	4 137 131	4 244 976	4 366 473	4 433 577	4 334 487
EFTA	0	0	0	0	0
G-8/G-7	21 697 105	19 100 916	20 859 291	15 394 868	15 826 393
MERCOSUR	395 002	346 509	310 892	311 021	293 000
NAFTA	11 686 000	9 876 000	11 156 090	11 667 955	12 159 865
OECD	18 385 571	17 117 376	18 609 253	19 100 112	18 954 912
SADC	0	0	0	0	0

Abbreviations: see Explanation

## Salt

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	125 355 810	114 941 661	123 482 008	124 802 247	122 890 301
Developing C.	148 236 042	149 028 812	140 697 767	151 898 897	153 510 213
Least Developed C.	2 669 313	3 079 664	3 119 991	3 245 906	2 903 316
Transition C.	13 101 288	13 279 137	13 140 461	10 405 587	10 379 589
Total	289 362 453	280 329 274	280 440 227	290 352 637	289 683 419
Annual per capita income:					
High Income	125 968 383	124 439 752	132 105 627	140 385 129	132 984 254
Upper Middle Inc.	123 320 897	112 357 159	107 223 926	107 081 941	113 653 220
Lower Middle Inc.	37 289 262	40 353 419	37 890 476	41 421 796	41 545 386
Low Income	2 783 911	3 178 944	3 220 198	1 463 771	1 500 559
Total	289 362 453	280 329 274	280 440 227	290 352 637	289 683 419
Political stability:					
Stable	579 700	1 552 387	1 766 810	1 653 809	505 000
Fair	143 377 460	132 479 166	133 864 454	140 748 688	139 361 443
Unstable	112 620 803	110 675 755	133 551 582	139 924 388	131 960 220
Extreme Unst.	32 784 490	35 621 966	11 257 381	8 025 752	17 856 756
Total	289 362 453	280 329 274	280 440 227	290 352 637	289 683 419
Country groups and economic blocks:					
ACP	4 330 599	3 626 692	4 161 159	4 791 023	4 205 852
ASEAN	4 467 198	5 104 910	4 250 315	5 722 453	6 042 989
BRICS	98 811 700	104 732 705	98 382 791	103 557 849	99 144 159
CPE	69 066 582	70 612 561	66 046 279	65 988 752	61 527 586
EC	55 143 414	51 686 161	55 847 279	49 875 119	49 797 629
EFTA	514 700	523 200	591 400	439 500	440 000
G-8/G-7	94 241 667	82 983 560	90 209 085	87 910 254	88 212 372
MERCOSUR	8 734 676	9 986 845	9 435 453	9 611 051	9 642 000
NAFTA	66 964 528	58 153 570	62 235 709	69 982 070	69 004 138
OECD	148 315 474	134 342 032	141 801 236	146 146 825	150 380 132
SADC	2 280 927	1 765 884	2 014 329	2 106 271	1 994 479

## Sulfur

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	24 929 525	24 934 208	25 124 928	24 493 981	24 090 043
Developing C.	29 312 701	30 243 559	31 749 029	34 405 790	32 901 849
Least Developed C.	240 000	310 000	310 000	300 000	300 000
Transition C.	9 893 700	9 722 900	10 171 000	10 886 205	10 600 400
Total	64 375 926	65 210 667	67 354 957	70 085 976	67 892 292

**Abbreviations:** see Explanation

Annual per capita income:

High Income	34 467 427	43 139 794	44 030 520	45 613 621	37 613 918
Upper Middle Inc.	26 694 808	18 699 609	19 897 202	20 779 575	26 425 144
Lower Middle Inc.	3 171 691	3 329 264	3 385 235	3 650 780	3 811 230
Low Income	42 000	42 000	42 000	42 000	42 000

Total	64 375 926	65 210 667	67 354 957	70 085 976	67 892 292
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Political stability:

Stable	906 300	950 329	967 789	853 280	0
Fair	32 797 656	32 402 668	32 987 631	35 987 596	32 303 638
Unstable	26 724 706	27 317 116	30 907 857	32 922 428	35 200 324
Extreme Unst.	3 947 264	4 540 554	2 491 680	322 672	388 330

Total	64 375 926	65 210 667	67 354 957	70 085 976	67 892 292
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Country groups and economic blocks:

ACP	577 972	567 019	580 173	577 018	584 381
ASEAN	520 000	500 000	540 000	540 000	540 000
BRICS	19 060 346	19 666 823	20 393 798	22 691 826	20 275 481
CPE	9 742 000	9 942 000	10 542 000	12 042 000	10 042 000
EC	5 416 396	5 307 958	5 159 228	4 741 081	4 561 743
EFTA	115 000	110 000	130 000	130 000	110 000
G-8/G-7	28 099 468	27 602 507	27 983 240	20 705 046	20 396 097
MERCOSUR	1 310 000	1 319 000	1 360 000	1 350 000	1 230 000
NAFTA	16 517 663	16 270 900	16 541 259	16 464 939	16 143 527
OECD	29 350 188	28 941 958	29 085 887	28 498 020	28 066 470
SADC	577 972	567 019	580 173	577 018	584 381

Talc

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	2 382 738	2 202 050	2 267 183	2 345 065	2 440 984
Developing C.	5 044 880	5 352 492	5 921 490	5 639 013	5 130 153
Least Developed C.	12 118	22 998	14 724	18 304	8 018
Transition C.	160 547	160 286	160 621	150 483	150 598

Total	7 600 283	7 737 826	8 364 018	8 152 865	7 729 753
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Annual per capita income:

High Income	2 934 582	2 876 673	3 045 046	3 158 774	3 055 800
Upper Middle Inc.	3 280 009	3 488 729	3 981 820	3 891 685	3 555 933
Lower Middle Inc.	1 332 136	1 315 489	1 282 012	1 046 703	1 065 809
Low Income	53 556	56 935	55 140	55 703	52 211

Total	7 600 283	7 737 826	8 364 018	8 152 865	7 729 753
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Political stability:

Stable	437 685	538 980	496 654	511 929	0
Fair	2 654 271	2 660 027	2 415 976	2 502 929	3 078 607
Unstable	3 130 960	3 119 107	5 167 158	5 028 985	4 332 561
Extreme Unst.	1 377 367	1 419 712	284 230	109 022	318 585

Total	7 600 283	7 737 826	8 364 018	8 152 865	7 729 753
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Abbreviations: see Explanation

Country groups and economic blocks:

ACP	94 273	23 499	22 303	23 727	21 298
ASEAN	7 604	40 856	34 700	57 308	52 268
BRICS	4 057 862	4 062 784	4 087 749	3 939 917	3 991 298
CPE	2 250 000	2 250 000	2 250 000	2 250 000	2 250 000
EC	1 148 547	1 100 665	1 075 183	1 150 078	1 088 984
EFTA	8 191	7 983	0	0	0
G-8/G-7	1 809 708	1 713 667	1 812 181	1 694 894	1 857 000
MERCOSUR	522 792	483 485	617 552	669 838	725 585
NAFTA	783 221	1 108 214	1 563 813	1 452 064	882 452
OECD	3 085 914	3 270 527	3 824 881	3 839 905	3 247 029
SADC	94 273	23 499	22 303	23 727	21 298

## Vermiculite

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	114 297	115 256	115 291	106 200	106 000
Developing C.	328 784	309 014	285 075	300 800	317 041
Least Developed C.	7 960	51 962	2 296	2 661	801
Transition C.	21 000	21 800	20 900	21 000	21 000
Total	472 041	498 032	423 562	430 661	444 842

Annual per capita income:

High Income	114 297	137 056	136 191	127 200	106 000
Upper Middle Inc.	328 982	276 892	241 266	251 593	281 014
Lower Middle Inc.	13 059	10 040	14 601	18 467	26 677
Low Income	15 703	74 044	31 504	33 401	31 151
Total	472 041	498 032	423 562	430 661	444 842

Political stability:

Stable	0	0	0	0	0
Fair	285 868	167 562	115 291	106 200	106 000
Unstable	171 914	318 773	304 321	321 321	335 007
Extreme Unst.	14 259	11 697	3 950	3 140	3 835
Total	472 041	498 032	423 562	430 661	444 842

Country groups and economic blocks:

ACP	186 274	206 930	159 162	176 848	169 851
ASEAN	0	0	0	0	0
BRICS	166 164	304 619	270 788	285 778	302 557
CPE	80 000	90 000	50 000	50 000	50 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	127 000	127 800	127 100	106 200	106 000
MERCOSUR	55 970	52 306	60 379	56 444	70 000
NAFTA	100 241	100 500	100 425	100 226	100 299
OECD	114 538	115 756	117 320	107 142	106 724
SADC	177 799	154 511	156 466	173 747	168 640

Abbreviations: see Explanation

## Zircon

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	866 935	690 000	466 000	817 826	747 326
Developing C.	785 407	694 675	494 157	631 606	641 035
Least Developed C.	70 196	78 754	65 695	89 531	110 937
Transition C.	35 914	36 969	49 504	42 930	38 180
Total	1 758 452	1 500 398	1 075 356	1 581 893	1 537 478
Annual per capita income:					
High Income	866 935	697 969	474 504	825 756	747 326
Upper Middle Inc.	616 664	538 257	399 512	563 537	571 750
Lower Middle Inc.	204 657	185 418	135 645	112 109	107 465
Low Income	70 196	78 754	65 695	80 491	110 937
Total	1 758 452	1 500 398	1 075 356	1 581 893	1 537 478
Political stability:					
Stable	0	0	0	0	0
Fair	1 368 522	783 325	492 379	818 503	755 976
Unstable	363 934	695 948	582 977	713 386	724 051
Extreme Unst.	25 996	21 125	0	50 004	57 451
Total	1 758 452	1 500 398	1 075 356	1 581 893	1 537 478
Country groups and economic blocks:					
ACP	502 478	445 944	290 141	502 636	534 308
ASEAN	152 705	135 442	75 779	37 407	39 550
BRICS	208 193	566 709	426 654	584 690	581 600
CPE	174 020	176 000	176 000	155 730	148 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	113 849	92 969	86 504	65 000	60 000
MERCOSUR	23 283	20 425	24 687	23 659	24 000
NAFTA	104 935	85 000	78 000	65 000	60 000
OECD	867 435	690 200	466 000	818 926	748 826
SADC	475 882	414 090	255 846	476 176	461 720

## 6.3.5 Mineral Fuels

### Steam Coal

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	1 165 264 669	1 112 804 117	1 097 824 387	1 123 450 339	1 046 341 013
Developing C.	4 248 002 744	4 364 219 028	4 441 962 426	4 354 366 721	4 251 340 737
Least Developed C.	3 881 285	5 533 451	6 098 834	6 613 605	5 221 203
Transition C.	333 044 933	351 934 084	350 802 000	336 120 080	324 995 491
Total	5 750 193 631	5 834 490 680	5 896 687 647	5 820 550 745	5 627 898 444

**Abbreviations:** see Explanation

Annual per capita income:

High Income	1 167 313 669	1 321 759 631	1 307 371 431	1 342 003 164	1 051 210 189
Upper Middle Inc.	3 543 227 647	3 417 164 304	3 443 743 063	3 312 075 307	3 399 419 289
Lower Middle Inc.	1 002 956 143	1 056 885 445	1 106 946 556	1 125 642 400	1 134 471 141
Low Income	36 696 172	38 681 300	38 626 597	40 829 874	42 797 825

Total	5 750 193 631	5 834 490 680	5 896 687 647	5 820 550 745	5 627 898 444
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Political stability:

Stable	4 144 000	3 851 655	4 251 522	1 901 000	1 738 000
Fair	1 478 828 833	1 169 040 743	1 157 129 662	1 232 060 122	1 106 576 614
Unstable	3 685 069 351	4 067 229 082	4 649 226 428	4 548 396 564	4 490 025 491
Extreme Unst.	582 151 447	594 369 200	86 080 035	38 193 059	29 558 339

Total	5 750 193 631	5 834 490 680	5 896 687 647	5 820 550 745	5 627 898 444
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Country groups and economic blocks:

ACP	255 475 122	263 729 407	260 552 045	267 741 426	257 563 666
ASEAN	458 480 397	495 176 077	539 678 513	536 588 328	519 392 444
BRICS	3 579 772 000	3 921 581 000	3 955 778 000	3 872 386 000	3 796 325 000
CPE	2 984 086 000	3 034 161 000	3 067 752 000	2 929 640 000	2 836 414 000
EC	98 304 769	99 259 462	87 365 865	81 996 262	75 927 631
EFTA	1 639 000	1 325 655	2 067 522	1 701 077	1 203 382
G-8/G-7	1 081 893 000	1 021 277 800	990 583 807	805 055 800	726 431 600
MERCOSUR	6 070 436	5 451 801	6 261 309	5 398 640	5 318 697
NAFTA	878 860 159	807 584 051	782 671 353	803 349 540	722 451 472
OECD	1 184 070 930	1 131 438 682	1 117 586 784	1 144 588 064	1 060 643 661
SADC	255 194 676	263 431 925	260 269 893	267 358 023	257 197 762

## Coking Coal

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	283 562 520	284 184 470	294 785 510	307 934 820	296 096 920
Developing C.	634 659 000	631 423 046	679 283 314	696 809 022	694 450 595
Least Developed C.	275 000	2 991 794	3 556 776	3 784 603	4 786 612
Transition C.	97 625 000	106 535 000	107 031 000	106 228 000	104 705 000

Total	1 016 121 520	1 025 134 310	1 084 656 600	1 114 756 445	1 100 039 127
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Annual per capita income:

High Income	283 562 520	356 884 470	369 185 510	384 234 820	296 096 920
Upper Middle Inc.	645 523 000	579 339 046	625 864 314	655 825 022	721 490 595
Lower Middle Inc.	86 372 000	85 489 000	85 601 000	70 490 000	77 243 000
Low Income	664 000	3 421 794	4 005 776	4 206 603	5 208 612

Total	1 016 121 520	1 025 134 310	1 084 656 600	1 114 756 445	1 100 039 127
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Political stability:

Stable	2 120 000	2 075 000	2 152 000	1 760 000	1 334 000
Fair	294 881 520	293 892 264	299 509 510	329 782 820	302 615 920
Unstable	661 989 000	671 742 046	777 180 090	771 191 625	789 547 207
Extreme Unst.	57 131 000	57 425 000	5 815 000	12 022 000	6 542 000

Total	1 016 121 520	1 025 134 310	1 084 656 600	1 114 756 445	1 100 039 127
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	2 183 000	4 987 794	7 359 776	7 654 603	8 396 612
ASEAN	3 258 000	4 237 000	2 244 000	1 022 000	2 728 000
BRICS	674 553 000	681 543 000	735 266 000	756 958 000	758 026 000
CPE	569 138 000	564 486 000	607 570 000	625 466 000	618 904 000
EC	23 622 520	22 779 470	21 219 310	21 212 820	20 338 920
EFTA	0	0	0	0	0
G-8/G-7	183 649 000	191 363 200	190 855 700	109 181 100	87 036 100
MERCOSUR	0	0	0	0	0
NAFTA	113 151 000	114 552 046	114 136 314	106 896 899	85 146 725
OECD	286 786 520	287 463 516	297 818 824	311 025 719	298 642 645
SADC	2 183 000	4 987 794	7 359 776	7 654 603	8 396 612

## Lignite

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	549 085 008	589 148 438	567 988 599	543 503 099	541 806 119
Developing C.	184 903 106	150 594 896	139 514 863	141 279 722	122 727 549
Least Developed C.	558 700	637 387	445 925	76 320	242 000
Transition C.	161 466 301	158 010 005	151 983 649	137 572 845	150 779 901
Total	896 013 115	898 390 726	859 933 036	822 431 986	815 555 569

Annual per capita income:

High Income	513 573 008	590 661 238	578 772 599	557 402 999	482 541 119
Upper Middle Inc.	317 102 507	237 391 701	213 361 112	200 242 881	265 329 450
Lower Middle Inc.	59 884 600	64 776 787	64 415 325	61 045 106	63 710 000
Low Income	5 453 000	5 561 000	3 384 000	3 741 000	3 975 000
Total	896 013 115	898 390 726	859 933 036	822 431 986	815 555 569

Political stability:

Stable	320 100	325 900	290 400	316 692	324 086
Fair	534 211 579	535 679 712	520 624 659	543 000 885	540 168 773
Unstable	319 149 436	315 932 114	320 907 214	279 114 409	224 618 710
Extreme Unst.	42 332 000	46 453 000	18 110 763	0	50 444 000
Total	896 013 115	898 390 726	859 933 036	822 431 986	815 555 569

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	21 885 806	18 703 816	18 556 688	18 058 042	15 392 549
BRICS	121 368 000	127 723 000	121 616 000	120 592 000	121 003 000
CPE	9 758 000	10 424 000	9 672 000	10 106 000	9 730 000
EC	435 529 908	440 994 538	415 668 199	402 276 407	400 714 933
EFTA	0	0	0	0	0
G-8/G-7	336 707 000	344 630 000	335 725 000	258 365 000	253 482 100
MERCOSUR	2 136 000	3 170 000	3 645 000	3 422 000	3 560 000
NAFTA	83 305 000	81 098 000	79 030 000	80 210 000	75 417 100
OECD	586 123 008	594 340 205	578 441 399	550 002 999	532 985 119
SADC	0	0	0	0	0

**Abbreviations:** see Explanation

## Natural Gas

	2011 Mio m <sup>3</sup>	2012 Mio m <sup>3</sup>	2013 Mio m <sup>3</sup>	2014 Mio m <sup>3</sup>	2015 Mio m <sup>3</sup>
Development status:					
Developed C.	1 141 096	1 180 572	1 191 605	1 235 028	1 270 046
Developing C.	1 337 566	1 381 268	1 403 313	1 429 326	1 458 958
Least Developed C.	46 977	46 662	51 289	57 036	53 174
Transition C.	870 480	859 886	872 523	859 499	852 152
Total	3 396 119	3 468 388	3 518 730	3 580 889	3 634 330
Annual per capita income:					
High Income	1 533 417	2 248 700	2 295 426	2 374 416	1 718 694
Upper Middle Inc.	1 423 070	784 046	802 291	777 195	1 489 269
Lower Middle Inc.	402 959	397 270	380 174	424 426	421 171
Low Income	36 673	38 372	40 839	4 852	5 196
Total	3 396 119	3 468 388	3 518 730	3 580 889	3 634 330
Political stability:					
Stable	105 281	120 729	114 652	6 282	4 618
Fair	1 505 930	1 506 894	1 579 648	1 768 156	1 693 656
Unstable	1 287 651	1 338 825	1 405 326	1 622 876	1 754 916
Extreme Unst.	497 257	501 940	419 104	183 575	181 140
Total	3 396 119	3 468 388	3 518 730	3 580 889	3 634 330
Country groups and economic blocks:					
ACP	92 165	95 029	88 892	99 227	106 402
ASEAN	218 316	220 546	222 974	227 898	224 998
BRICS	837 788	822 766	848 277	831 311	827 397
CPE	112 189	117 540	131 675	141 567	146 515
EC	174 849	165 219	166 255	151 046	134 901
EFTA	101 266	114 723	108 746	108 820	117 152
G-8/G-7	1 551 870	1 555 947	1 569 888	953 941	989 908
MERCOSUR	83 120	86 480	86 968	88 616	93 771
NAFTA	866 480	893 470	899 700	952 220	982 980
OECD	1 190 678	1 228 308	1 238 151	1 280 434	1 311 672
SADC	5 570	5 803	6 084	6 491	7 012

## Petroleum

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	694 943 614	738 021 746	792 272 087	882 955 432	937 030 854
Developing C.	2 464 686 361	2 530 684 166	2 473 001 428	2 479 550 839	2 556 415 972
Least Developed C.	131 201 840	124 194 100	129 432 330	124 446 770	126 205 360
Transition C.	660 151 863	663 030 133	670 414 817	671 335 158	676 794 490
Total	3 950 983 678	4 055 930 145	4 065 120 662	4 158 288 199	4 296 446 676

**Abbreviations:** see Explanation

Annual per capita income:

High Income	1 650 460 610	2 261 100 284	2 314 178 064	2 579 465 360	1 960 378 553
Upper Middle Inc.	1 820 330 038	1 475 963 812	1 441 700 451	1 272 600 226	2 031 169 470
Lower Middle Inc.	471 229 590	308 784 800	301 190 117	291 555 643	289 689 293
Low Income	8 963 440	10 081 249	8 052 030	14 666 970	15 209 360

Total	3 950 983 678	4 055 930 145	4 065 120 662	4 158 288 199	4 296 446 676
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Political stability:

Stable	94 051 130	87 162 549	82 602 458	2 765 091	1 903 730
Fair	1 138 245 790	1 301 347 095	1 280 859 485	1 499 275 650	1 354 011 844
Unstable	1 981 940 418	1 932 276 701	2 095 184 786	2 294 935 893	2 556 289 835
Extreme Unst.	736 746 340	735 143 800	606 473 933	361 311 565	384 241 267

Total	3 950 983 678	4 055 930 145	4 065 120 662	4 158 288 199	4 296 446 676
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Country groups and economic blocks:

ACP	283 725 517	274 904 624	271 142 271	269 488 881	274 259 887
ASEAN	109 292 531	109 953 681	106 235 793	106 257 640	110 754 820
BRICS	867 418 000	875 639 581	880 888 454	897 737 803	916 931 078
CPE	221 419 900	227 711 900	230 220 700	232 736 400	237 284 800
EC	80 234 221	71 652 666	68 212 787	67 091 532	71 585 054
EFTA	91 886 400	84 378 600	80 045 100	81 588 600	84 089 700
G-8/G-7	1 070 437 128	1 128 347 252	1 196 106 379	760 722 339	815 355 343
MERCOSUR	286 532 800	281 997 190	277 215 950	289 610 680	296 349 260
NAFTA	641 078 280	700 053 570	764 046 880	847 994 690	887 979 830
OECD	837 981 632	880 446 273	932 107 981	1 018 173 375	1 062 623 196
SADC	85 199 664	88 235 381	88 584 184	84 292 773	89 960 838

## Oil Sands (part of petroleum)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
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Development status:

Developed C.	80 590 200	88 880 300	96 621 200	107 716 400	118 181 800
Developing C.	28 112 000	30 738 000	29 880 000	30 100 000	29 980 000
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0

Total	108 702 200	119 618 300	126 501 200	137 816 400	148 161 800
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Annual per capita income:

High Income	80 590 200	88 880 300	96 621 200	137 816 400	118 181 800
Upper Middle Inc.	28 112 000	30 738 000	29 880 000	0	29 980 000
Lower Middle Inc.	0	0	0	0	0
Low Income	0	0	0	0	0

Total	108 702 200	119 618 300	126 501 200	137 816 400	148 161 800
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Political stability:

Stable	0	0	0	0	0
Fair	80 590 200	88 880 300	96 621 200	107 716 400	118 181 800
Unstable	28 112 000	30 738 000	29 880 000	30 100 000	29 980 000
Extreme Unst.	0	0	0	0	0

Total	108 702 200	119 618 300	126 501 200	137 816 400	148 161 800
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**Abbreviations:** see Explanation

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	0	0	0	0	0
CPE	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G-8/G-7	80 590 200	88 880 300	96 621 200	107 716 400	118 181 800
MERCOSUR	28 112 000	30 738 000	29 880 000	30 100 000	29 980 000
NAFTA	80 590 200	88 880 300	96 621 200	107 716 400	118 181 800
OECD	80 590 200	88 880 300	96 621 200	107 716 400	118 181 800
SADC	0	0	0	0	0

## Oil Shales

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538
Developing C.	0	0	0	0	0
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538

Annual per capita income:

High Income	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538
Upper Middle Inc.	0	0	0	0	0
Lower Middle Inc.	0	0	0	0	0
Low Income	0	0	0	0	0
Total	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538

Political stability:

Stable	0	540	173	203	0
Fair	19 089 132	19 277 825	20 954 580	21 503 693	20 086 538
Unstable	416 000	423 000	0	0	0
Extreme Unst.	0	0	0	0	0
Total	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	0	0	0	0	0
CPE	0	0	0	0	0
EC	19 089 132	19 278 365	20 954 753	21 503 896	20 086 538
EFTA	0	0	0	0	0
G-8/G-7	355 000	481 825	443 580	508 693	470 470
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538
SADC	0	0	0	0	0

Abbreviations: see Explanation

## Uranium (U<sub>3</sub>O<sub>8</sub>)

	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t
Development status:					
Developed C.	19 928	21 819	21 079	20 582	24 059
Developing C.	6 368	8 216	8 019	6 848	6 461
Least Developed C.	5 903	6 983	6 329	5 336	4 852
Transition C.	31 053	33 194	35 226	35 548	37 189
Total	63 252	70 212	70 653	68 314	72 561
Annual per capita income:					
High Income	19 837	25 100	24 682	24 017	23 968
Upper Middle Inc.	32 400	32 952	34 126	33 352	37 719
Lower Middle Inc.	5 112	5 177	5 516	5 609	6 022
Low Income	5 903	6 983	6 329	5 336	4 852
Total	63 252	70 212	70 653	68 314	72 561
Political stability:					
Stable	0	0	0	0	0
Fair	24 415	28 506	25 957	51 776	27 532
Unstable	38 312	41 199	39 654	15 393	43 561
Extreme Unst.	525	507	5 042	1 145	1 468
Total	63 252	70 212	70 653	68 314	72 561
Country groups and economic blocks:					
ACP	10 390	12 539	11 833	9 843	8 853
ASEAN	0	0	0	0	0
BRICS	5 357	6 545	6 790	6 482	6 537
CPE	1 044	1 769	1 769	1 769	1 906
EC	455	431	400	329	251
EFTA	0	0	0	0	0
G-8/G-7	16 040	16 558	16 896	13 839	17 142
MERCOSUR	312	384	226	65	47
NAFTA	12 444	13 108	13 167	13 796	17 140
OECD	19 837	21 713	20 985	20 491	23 968
SADC	5 485	6 854	6 839	4 942	4 001

**Abbreviations:** see Explanation

## 6.4 Production of Mineral Raw Materials of individual Countries, by Minerals

### 6.4.1 Iron and Ferro-Alloy Metals

#### Iron (Fe-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Al,ania	3 200	0	0	0	0	1e
Algeria	712 800	842 400	594 000	492 010	378 000	1n
Argentina	205 650	332 470	298 190	224 840	206 060	1n
Australia	277 000 250	314 414 150	377 433 850	423 669 000	505 205 668	1e
Austria	706 211	685 522	743 463	779 736	890 665	1e
Azerbaijan	90 006	87 066	59 388	38 390	53 590	1e
Bhutan	0	2 400	13 100	12 200	27 650	1e
Bosnia-Herzegovina	1 367 490	1 058 620	1 492 840	1 499 950	1 082 630	1e
Brazil	257 550 800	258 129 700	245 667 800	261 101 100	275 589 840	1e
Canada	21 780 100	23 724 100	25 658 400	26 335 400	25 975 400	1e
Chile	7 747 000	9 429 000	9 088 000	9 427 640	9 147 839	1e
China	358 778 300	353 602 000	391 773 000	404 379 000	371 250 000	1e
Colombia	78 507	364 150	319 520	304 280	405 780	1e
Egypt	1 494 400	1 768 500	192 000	639 900	763 700	1e
Germany	51 350	46 990	43 410	48 400	52 100	1e
Guatemala	487	4 540	330	850	7 310	1e
India	112 949 940	91 534 060	101 962 610	84 058 650	101 341 500	1e
Indonesia	6 498 000	6 350 200	12 294 300	3 273 300	2 111 200	1e
Iran	18 996 900	21 085 200	25 329 500	25 709 416	25 797 898	1a
Kazakhstan	16 078 465	16 827 530	16 398 330	15 964 780	12 911 210	1a
Kenya	71 200	43 700	93 000	0	0	1e
Korea, North	1 500 000	1 450 000	865 000	963 600	579 300	1n
Korea, South	324 920	355 650	397 830	415 960	267 190	1e
Laos	26 470	121 630	560 950	680 840	660 000	1e
Liberia	193 500	1 184 900	2 474 000	2 594 900	1 921 400	1e
Malaysia	5 044 960	6 858 190	7 644 580	6 057 650	1 015 450	1e
Mauritania	7 264 400	7 272 900	8 491 300	8 648 800	7 544 600	1e
Mexico	7 683 467	8 949 565	11 303 740	9 976 750	8 077 160	1e
Mongolia	3 406 980	4 536 840	3 606 720	6 156 300	3 704 040	1a
Morocco	28 404	93 850	108 400	8 250	8 500	2e
New Zealand	1 367 315	1 389 000	1 830 850	1 882 310	1 852 360	1e
Nigeria	29 400	29 400	21 000	20 000	20 000	2n
Norway	1 620 500	2 189 200	2 181 300	2 466 600	2 252 200	1a
Pakistan	125 060	146 260	156 600	74 890	124 910	1a
Peru	4 767 438	4 545 490	4 542 850	4 890 960	4 978 150	1e
Philippines	75 700	688 900	634 000	92 300	64 300	1e
Russia, Asia	9 724 000	9 724 000	9 537 000	9 546 350	9 443 500	1e
Russia, Europe	47 476 000	47 476 000	46 563 000	46 608 650	46 106 500	1e
Saudi Arabia	234 720	355 300	231 800	243 400	254 900	1e
Sierra Leone	196 811	3 018 024	6 172 710	10 259 610	1 521 830	1e
South Africa	37 736 983	43 615 310	46 569 090	52 493 570	47 323 600	1e
Sudan	8 580	33 740	118 790	16 300	0	1e
Swaziland	39 770	516 120	629 280	301 630	0	1e
Sweden	16 712 320	16 985 600	17 462 400	18 035 840	15 886 720	1e
Thailand	303 403	188 000	241 560	215 710	10 220	1e
Tunisia	90 900	116 300	132 100	179 200	153 700	1e
Turkey	4 321 800	3 329 800	5 754 900	7 964 400	5 199 800	1e

Abbreviations: see Explanation

Uganda	1 280	2 659	1 369	25 175	5 400	1e
Ukraine	42 551 000	42 975 400	45 056 000	43 712 000	42 816 000	1e
United States	34 461 000	34 461 000	33 264 000	35 343 000	29 043 000	1e
Uruguay	8 360	9 500	9 978	15 050	11 520	1e
Venezuela	10 625 600	10 012 000	7 278 800	7 318 100	7 615 100	1e
Vietnam	1 422 780	903 720	1 497 180	1 631 400	1 342 800	3e
Total	1 321 534 877	1 353 866 546	1 474 794 108	1 536 798 337	1 573 002 190	

### Chromium (Cr<sub>2</sub>O<sub>3</sub> - Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Afghanistan	2 730	2 520	2 500	2 200	2 500	2n
Albania	152 300	156 600	228 900	309 900	184 700	1e
Australia	66 100	138 500	94 200	10 519	0	1e
Brazil	211 580	184 275	189 521	244 622	265 200	1n
China	85 800	85 800	86 000	86 000	90 000	2n
Finland	231 000	229 000	434 000	441 300	457 100	1e
Greece	570	576	0	0	0	1a
India	1 344 800	1 303 600	1 324 000	995 500	1 331 200	1e
Iran	189 200	192 210	191 100	157 953	142 810	1a
Kazakhstan	1 780 000	1 909 900	2 008 400	2 143 900	1 992 400	1a
Kosovo		300	800	1 000	0	1e
Madagascar	32 683	45 100	57 420	60 750	98 000	1n
Oman	253 680	221 920	317 000	300 480	177 280	1e
Pakistan	59 210	71 680	54 580	34 230	40 700	1a
Papua New Guinea		3 630	40 500	42 570	45 000	2n
Philippines	10 193	14 651	14 110	18 820	6 200	1e
Russia, Europe	263 300	206 600	147 200	214 200	216 000	2n
South Africa	5 220 770	4 979 650	6 023 450	6 176 600	6 888 490	1e
Sudan	30 781	8 780	14 820	29 440	7 590	1e
Turkey	1 000 000	2 083 900	1 865 900	1 806 600	1 464 330	1e
Vietnam	24 900	830	800	0	0	2n
Zimbabwe	269 586	183 814	159 814	183 790	93 750	1e
Total	11 229 183	12 023 836	13 255 015	13 260 374	13 503 250	

### Cobalt

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	4 254	5 880	6 855	6 252	6 030	1e
Botswana	149	195	248	196	316	1e
Brazil	3 623	2 900	3 500	3 828	3 800	2q
Canada	6 836	6 676	7 168	6 574	6 904	1e
China	6 843	7 498	8 580	8 500	8 500	2q
Congo, D.R.	99 475	86 433	76 593	76 475	84 400	1e
Cuba	3 854	3 792	3 319	3 210	3 734	1n
Finland	480	1 381	2 061	2 104	2 119	1e
Indonesia	3 200	3 600	4 700	329	350	2q
Madagascar		718	2 340	3 221	3 920	1n
Morocco	1 518	1 314	1 378	1 391	1 722	1n

**Abbreviations:** see Explanation

New Caledonia	2 404	2 631	3 080	4 040	4 500	2n
Papua New Guinea		473	1 013	2 134	2 505	1n
Philippines	1 500	2 269	2 126	4 094	4 140	1n
Russia, Asia	1 870	1 749	1 894	1 842	1 632	1q
Russia, Europe	467	437	474	460	408	1q
South Africa	862	1 102	1 294	1 332	1 362	1e
Uganda	673	556	181	0	0	1e
United States				120	760	1e
Vietnam				223	277	1n
Zambia	7 701	5 436	5 658	4 562	2 979	1e
Zimbabwe	174	195	319	358	355	1e
Total	145 883	135 235	132 781	131 245	140 713	

## Manganese

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	2 854 876	2 891 668	2 975 678	3 049 987	2 452 118	1e
Bosnia-Herzegovina	0	0	2 330	14 176	3 200	1n
Brazil	1 139 000	1 164 000	1 180 000	1 094 000	1 226 458	1e
Bulgaria	41 600	10 792	28 650	25 830	13 470	1a
Burkina Faso	22 372	0	0	0	0	2n
China	4 140 000	3 520 000	3 730 000	3 310 000	2 484 000	1n
Cote d'Ivoire	19 600	112 500	110 480	162 900	118 430	1e
Egypt	14 900	25 000	12 500	12 000	12 000	2n
Gabon	1 767 900	1 609 300	1 955 300	1 872 100	1 973 000	1n
Georgia	89 600	90 000	88 000	83 600	66 000	2n
Ghana	639 690	519 830	699 270	473 720	451 020	1e
Hungary	15 620	13 750	9 370	13 650	15 330	1a
India	840 170	820 310	886 550	780 210	722 610	1e
Indonesia	74 900	14 000	2 000	3 700	27 600	1n
Iran	77 180	66 106	70 156	56 628	69 760	1a
Kazakhstan	604 500	601 000	575 800	527 000	332 100	1a
Malaysia	287 000	527 800	540 060	401 010	247 340	1e
Mexico	170 935	188 294	211 559	235 686	217 466	1e
Morocco	29 000	45 100	55 500	45 640	47 500	2e
Myanmar	234 400	114 500	157 600	96 800	28 000	2n
Namibia	48 400	57 600	58 000	32 000	10 110	1a
Oman	10 775	9 380	12 850	9 380	3 950	1e
Romania	670	1 910	1 390	4 880	4 200	1e
Russia, Asia	2 500	900	1 000	0	0	1e
Russia, Europe	9 800	3 600	4 000	0	0	1e
Senegal		0	230	2 120	3 000	1n
South Africa	3 806 810	3 935 100	4 821 140	6 182 550	7 019 060	1e
Sudan	160 000	0	1 300	8 000	12 560	1e
Thailand	191	3 912	6 874	6 880	4 320	1e
Turkey	25 200	44 500	68 800	52 500	30 500	1e
Ukraine	514 700	456 600	474 500	565 800	546 600	1e
Vietnam	27 800	6 800	51 600	50 000	50 000	2n
Zambia	6 320	24 270	21 760	22 000	5 000	2n
Total	17 676 409	16 878 522	18 814 247	19 194 747	18 196 702	

**Abbreviations:** see Explanation

## Molybdenum

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	854	1 617	1 915	954	869	1n
Armenia	4 636	5 253	5 723	5 796	5 131	1e
Australia				28	0	1e
Canada	8 326	8 936	7 956	9 358	2 330	1e
Chile	40 889	35 090	38 715	48 770	52 579	1e
China	103 320	120 576	122 260	123 000	112 800	1n
Iran	3 365	3 516	3 471	3 494	3 337	1n
Kazakhstan	360	360	0	0	430	1a
Korea, South	439	421	453	490	258	1e
Mexico	10 787	11 366	12 562	14 370	11 327	1e
Mongolia	1 957	1 904	1 819	1 999	2 557	1e
Norway		4	8	2	1	1a
Peru	19 141	16 790	18 140	17 018	20 153	1e
Russia, Asia	4 650	4 640	3 460	2 990	3 110	1n
Russia, Europe	190	190	140	120	130	1n
Turkey	1 424	0	620	0	1 335	1e
United States	63 700	60 400	61 000	68 200	47 400	1e
Uzbekistan	544	560	490	450	570	1e
Total	264 582	271 623	278 732	297 039	264 317	

## Nickel

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Albania	3 640	750	2 020	5 350	6 280	1e
Australia	215 000	243 600	234 230	244 690	225 227	1e
Botswana	15 675	17 948	22 848	14 958	16 789	1e
Brazil	74 000	89 600	77 400	85 600	89 302	1e
Canada	219 025	211 700	227 743	228 867	234 936	1e
China	89 800	93 300	93 200	101 100	100 000	2q
Colombia	37 817	51 595	49 320	41 222	36 671	1e
Cuba	68 600	64 600	53 000	50 400	52 700	1n
Dominican Republic	13 528	15 186	9 355	0	0	1e
Finland	18 244	19 073	18 560	19 281	9 383	1e
Greece	22 360	22 570	22 210	23 825	23 400	1a
Guatemala		2 400	9 200	57 700	38 500	1e
Indonesia	564 400	648 400	834 200	215 000	129 600	1q
Kosovo	7 500	4 400	7 600	6 700	7 900	1e
Macedonia	17 292	20 782	21 133	0	0	1e
Madagascar		8 254	26 908	37 046	45 075	1n
Morocco	217	288	160	0	0	1e
Myanmar	800	5 000	6 100	21 000	26 400	2q
New Caledonia	128 732	131 694	164 406	178 080	186 065	1e
Norway	300	400	300	290	300	1a
Papua New Guinea		4 758	11 369	20 988	25 582	1n
Philippines	319 364	317 621	313 050	443 909	464 517	1e
Poland	850	840	570	780	840	1a
Russia, Asia	153 642	147 378	155 760	158 400	135 720	2q
Russia, Europe	111 258	106 722	108 240	105 600	125 280	2q

**Abbreviations:** see Explanation

South Africa	43 321	45 945	51 208	54 956	56 689	1e
Spain	0	2 397	7 564	8 652	7 208	3a
Turkey	850	3 810	1 080	3 030	8 640	1e
United States				4 300	27 200	1e
Venezuela	25 700	8 800	5 800	3 599	3 707	1e
Vietnam			1 166	6 854	8 607	1e
Zambia	2 869	0	0	0	0	1n
Zimbabwe	7 992	7 899	12 962	16 633	16 109	1e
Total	2 162 776	2 297 710	2 548 662	2 158 810	2 108 627	

### Niobium (Nb<sub>2</sub>O<sub>5</sub>-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Brazil	64 657	82 214	76 899	88 771	84 189	1e
Burundi	38	62	11	25	13	1e
Canada	4 551	4 705	4 916	5 774	5 385	1e
China	17	14	15	20	20	2b
Congo, D.R.	126	193	230	376	694	1e
Ethiopia	32	32	14	25	20	1e
Mozambique	11	33	6	9	5	1e
Nigeria	31	31	30	30	22	2n
Russia, Europe	431	450	511	581	628	1e
Rwanda	134	172	370	345	248	1e
Total	70 028	87 906	83 002	95 956	91 224	

### Tantalum (Ta<sub>2</sub>O<sub>5</sub>-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	7	0	0	0	20	1e
Bolivia	5	13	14	7	1	1a
Brazil	136	118	185	118	120	2n
Burundi	56	91	16	37	19	1e
Canada	0	0	40	0	0	1e
China	61	66	60	60	60	2b
Congo, D.R.	134	205	244	399	736	1e
Ethiopia	116	118	29	90	75	1e
Malaysia	11	26	19	26	25	2n
Mozambique	38	184	35	50	28	1e
Nigeria	78	78	75	75	55	2n
Russia, Europe	27	31	32	40	32	1e
Rwanda	205	263	567	530	380	1e
Total	874	1 193	1 316	1 432	1 551	

**Abbreviations:** see Explanation

## Titanium (TiO<sub>2</sub>-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	1 401 350	1 406 200	1 107 600	997 000	1 053 300	1e
Brazil	40 075	39 780	44 970	46 445	47 000	2n
Canada	1 100 000	1 000 000	832 000	771 000	750 000	2n
China	850 000	800 000	1 020 000	1 118 700	1 067 200	1n
India	414 500	421 900	409 900	430 500	461 100	1n
Kazakhstan	22 000	29 150	30 000	20 000	12 770	1a
Kenya			3 190	258 910	319 750	1e
Korea, South	100 900	111 090	126 350	132 490	112 250	1e
Madagascar	269 450	353 700	304 100	206 700	102 700	1n
Malaysia	15 830	12 250	8 820	4 490	3 400	1e
Mozambique	356 400	320 800	399 900	475 800	425 600	1n
Norway	382 730	365 470	363 500	380 010	277 340	1a
Russia, Europe	92 000	179 000	179 000	180 000	190 000	2n
Senegal				55 950	240 270	1n
Sierra Leone	72 588	101 539	133 887	129 040	140 420	1e
South Africa	1 160 000	1 120 300	1 056 200	1 195 000	1 150 000	2n
Sri Lanka	39 320	26 100	24 810	20 140	23 410	1e
Ukraine	213 800	250 000	443 100	391 150	344 260	1n
United States	217 000	164 000	155 000	142 000	140 000	2n
Vietnam	395 200	508 720	533 420	290 160	146 740	3e
Total	7 143 143	7 209 999	7 175 747	7 245 485	7 007 510	

## Tungsten (W-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	15	290	320	477	348	1e
Austria	861	706	850	819	861	1e
Bolivia	1 124	1 247	1 253	1 251	1 461	1a
Brazil	244	381	494	510	500	2n
Burundi	280	200	39	27	11	1e
Canada	1 956	2 025	2 392	2 147	1 815	1e
China	69 900	67 600	71 400	67 700	72 200	1e
Congo, D.R.	43	101	59	13	55	1e
Korea, North	110	95	85	70	72	1e
Korea, South	5	14	0	12	8	1e
Kyrgyzstan	100	100	100	0	80	1e
Mongolia	84	117	249	765	877	1e
Myanmar	170	200	200	100	250	1n
Peru	433	289	28	61	110	1e
Portugal	819	763	692	671	474	1a
Russia, Asia	3 311	3 639	3 562	3 209	2 805	1n
Russia, Europe	584	642	629	566	495	1n
Rwanda	598	1 041	1 319	1 288	1 060	1e
Spain	337	393	487	822	835	3a
Thailand	150	70	130	90	31	1e

**Abbreviations:** see Explanation

Uganda	8	34	57	63	36	1e
United Kingdom					195	1e
Uzbekistan	48	131	98	83	110	1e
Vietnam	1 600	1 100	1 660	3 510	4 063	1n
Total	82 780	81 178	86 103	84 254	88 752	

### Vanadium (V<sub>2</sub>O<sub>5</sub>-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia		70	407	0	0	1e
Brazil				1 032	5 810	1n
China	32 000	37 000	44 800	44 800	42 000	2b
Kazakhstan	1 000	1 000	1 000	1 000	1 000	2n
Russia, Europe	12 860	14 856	14 403	15 125	16 196	1n
South Africa	21 652	19 957	21 397	21 582	17 788	1e
United States	590	106	591	0	0	1e
Total	68 102	72 989	82 598	83 539	82 794	

## 6.4.2 Non-Ferrous Metals

### Aluminium

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	416 177	413 395	440 176	441 893	428 206	1e
Australia	1 945 000	1 864 000	1 777 400	1 704 286	1 645 963	1e
Azerbaijan	740	54 200	53 900	50 400	58 200	1q
Bahrain	881 300	890 217	912 700	931 427	960 643	1e
Bosnia-Herzegovina	163 654	159 660	157 082	131 238	118 253	1e
Brazil	1 440 000	1 436 400	1 304 300	962 000	772 200	1e
Cameroon	69 000	52 000	75 000	93 000	65 000	1n
Canada	2 987 964	2 780 556	2 967 364	2 858 237	2 880 035	1e
China	17 786 000	20 208 400	25 438 100	28 857 900	31 410 000	1e
Egypt	353 900	393 700	325 300	304 200	292 200	1q
France	334 000	349 000	343 000	410 000	415 000	1q
Germany	432 500	410 500	492 368	530 700	541 400	1e
Ghana	35 213	38 000	36 600	38 100	33 800	1q
Greece	165 147	165 579	169 457	173 164	179 420	1a
Iceland	814 039	801 166	836 325	848 639	865 016	1e
India	1 654 156	1 720 000	1 667 300	2 026 803	2 354 949	1e
Indonesia	246 300	253 000	255 300	264 500	257 100	1q
Iran	321 900	336 500	299 448	286 514	353 000	1a
Italy	141 900	72 000	0	0	0	1e
Japan	4 700	4 500	3 000	500	0	1e
Kazakhstan	248 800	250 269	250 200	207 850	219 000	1a
Malaysia	188 100	121 900	290 000	440 000	440 000	2q
Montenegro	92 838	74 813	47 951	42 767	42 499	1e
Mozambique	562 000	562 000	564 000	566 880	558 390	1n
Netherlands	200 000	86 300	81 000	800	28 200	1q
New Zealand	357 000	326 963	324 835	328 269	335 292	1e

**Abbreviations:** see Explanation

Nigeria	15 000	22 000	2 000	0	0	1n
Norway	1 201 000	1 110 900	1 172 900	1 182 000	1 227 787	1n
Oman	375 000	360 000	354 000	364 000	377 186	1n
Qatar	450 000	604 000	606 000	612 000	610 000	1n
Romania	261 000	248 587	250 157	263 098	271 356	1e
Russia, Asia	3 464 000	3 535 000	3 436 000	3 412 000	3 451 000	1n
Russia, Europe	528 000	489 000	288 000	76 000	78 000	1n
Saudi Arabia			187 000	662 000	839 000	1e
Slovakia	162 840	160 662	163 296	167 667	171 328	1n
Slovenia	75 301	83 278	84 035	84 361	83 775	1n
South Africa	811 483	665 000	822 000	745 000	695 000	1n
Spain	408 400	386 400	250 000	230 000	360 000	2q
Sweden	111 000	129 000	131 000	113 000	116 000	1n
Tajikistan	278 364	272 506	216 369	121 261	139 123	1e
Turkey	65 000	43 700	42 200	30 400	45 900	1q
Ukraine	7 200	0	0	0	0	1n
United Arab Emirates	1 800 000	1 814 000	1 845 000	2 296 000	2 397 000	1q
United Kingdom	213 000	60 000	45 000	41 000	47 000	1e
United States	1 986 000	2 070 300	1 946 000	1 709 668	1 586 518	1e
Venezuela	330 000	203 000	171 200	138 400	119 511	1n
Total	44 384 916	46 082 351	51 124 263	54 747 922	57 869 250	

## Antimony

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	1 576	2 481	3 275	3 828	3 712	1n
Bolivia	3 947	5 081	5 053	4 186	3 843	1a
Canada	68	63	177	4	1	1e
China	123 900	135 600	120 937	121 400	111 400	1n
Guatemala	0	62	159	0	0	1e
Honduras				13	14	1a
Iran	600	0	400	432	216	1a
Kazakhstan	800	600	900	1 000	979	1a
Kyrgyzstan	892	924	900	1 450	1 200	1n
Laos	728	521	804	620	700	1e
Mexico	100	169	294	266	501	1n
Morocco	1 310	590	600	1 380	0	2q
Myanmar	5 600	5 900	7 200	3 360	3 000	2q
Pakistan	25	12	89	979	114	1a
Peru	0	0	500	244	250	2n
Russia, Asia	6 348	6 400	6 520	6 400	7 420	1q
South Africa	3 175	3 066	2 405	815	0	1e
Tajikistan	5 500	5 545	7 307	11 200	26 960	2e
Thailand	442	672	488	706	0	1q
Turkey	2 170	6 590	4 180	3 070	1 950	1e
Vietnam	286	480	990	1 098	996	1e
Total	157 467	174 756	163 178	162 451	163 256	

**Abbreviations:** see Explanation

## Arsenic

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Belgium	1 000	1 000	1 000	1 000	1 000	2b
Bolivia	99	103	120	52	38	1a
China	25 000	26 000	25 000	25 000	25 000	2b
Iran	98	101	110	110	110	1e
Japan	40	40	45	45	45	2b
Morocco	8 150	8 820	8 968	6 863	7 000	2n
Namibia	1 750	4 045	2 000	1 980	2 000	2n
Philippines	400	400	0	0	0	1e
Russia, Asia	1 500	1 500	1 500	1 500	1 500	2b
Total	38 037	42 009	38 743	36 550	36 693	

## Bauxite (crude ore)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	70 231 000	76 281 000	81 119 000	78 632 393	80 909 703	1e
Bosnia-Herzegovina	685 949	800 316	657 115	620 308	787 409	1e
Brazil	31 768 000	34 987 800	33 896 100	36 308 000	37 057 000	1n
China	37 173 800	44 052 300	50 339 380	59 212 400	65 000 000	2q
Croatia	4 830	5 690	8 220	9 146	11 897	1e
Dominican Republic	0	10 522	929 576	1 749 308	1 724 162	1e
Fiji	0	350 000	461 000	496 616	172 336	1e
France	80 800	90 000	100 000	71 100	70 000	2e
Ghana	400 069	752 771	826 994	798 114	1 313 897	1e
Greece	2 324 000	1 815 328	1 844 000	1 872 710	1 831 660	1a
Guinea	17 594 000	19 977 000	18 763 000	19 182 000	20 163 774	1n
Guyana	1 827 555	2 213 972	1 713 242	1 563 563	1 526 713	1e
Hungary	277 724	255 073	93 700	14 400	8 300	1a
India	13 599 566	16 611 610	22 319 148	22 493 671	28 133 516	1e
Indonesia	40 643 000	31 443 000	57 023 800	2 539 274	471 867	1a
Iran	847 000	898 400	788 630	540 003	773 700	1a
Jamaica	10 188 912	9 339 300	9 477 133	9 676 697	9 628 818	1e
Kazakhstan	5 495 200	5 170 200	5 192 800	4 515 600	4 683 000	1a
Malaysia	182 931	121 873	219 888	3 676 876	21 000 000	2e
Mexico	14 400	96 000	0	0	0	1e
Montenegro	158 614	0	61 154	155 153	50 369	1e
Mozambique	10 352	8 633	6 190	3 386	4 985	1e
Pakistan	9 033	30 223	25 288	31 156	24 689	1a
Russia, Europe	5 482 000	5 166 000	5 634 000	6 056 000	5 800 000	1n
Saudi Arabia	643 500	760 114	1 978 360	2 076 000	2 174 000	1e
Sierra Leone	1 457 510	734 483	654 137	1 178 566	1 435 195	1e
Solomon Islands				40	278 400	1e
Suriname	3 224 000	2 874 343	2 670 700	2 707 700	1 865 100	1q
Tanzania	37 700	59 030	33 940	25 641	1 050	1e

**Abbreviations:** see Explanation

Turkey	1 024 915	1 521 150	795 562	1 091 442	1 050 000	2n
United States	63 100	128 152	128 000	128 000	100 000	2q
Venezuela	2 454 767	2 285 332	2 341 155	2 346 160	991 810	1e
Vietnam	100 000	100 000	482 000	1 090 000	1 200 000	1e
Total	248 004 227	258 939 615	300 583 212	260 861 423	290 243 350	

## Bismuth

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Armenia	3	4	4	2	2	2n
Bolivia	21	8	10	11	20	1a
Canada	136	110	35	4	2	1e
China	7 000	6 000	6 500	7 600	7 500	2b
Japan	483	446	485	582	773	1b
Mexico	935	800	824	948	601	1e
Peru	0	5	588	188	0	2n
Russia, Asia	45	50	40	40	40	2b
Uzbekistan	2	2	2	2	2	2n
Vietnam				2 324	3 000	2n
Total	8 625	7 425	8 488	11 701	11 940	

## Cadmium

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	31	37	28	30	39	2q
Armenia	0	43	41	43	40	2n
Australia	390	380	380	380	380	2q
Brazil	200	200	200	200	200	2q
Bulgaria	428	394	382	385	356	1e
Canada	1 240	1 286	1 313	1 187	1 159	1e
China	6 672	7 265	7 496	8 201	8 200	2q
Germany	320	310	430	570	370	1e
India	449	391	228	69	0	1e
Japan	1 775	1 855	1 821	1 851	1 959	1q
Kazakhstan	1 278	1 166	1 319	1 633	1 459	1a
Korea, North	200	200	200	200	200	2q
Korea, South	3 005	3 904	3 904	4 300	3 620	1e
Mexico	1 485	1 482	1 451	1 409	1 283	1e
Netherlands	570	560	560	600	620	1q
Norway	309	310	310	320	310	2q
Peru	572	684	695	769	757	1e
Poland	526	370	460	628	383	1q
Russia, Asia	1 100	1 000	900	1 000	1 000	2q
United States	600	600	600	550	500	2q
Total	21 150	22 437	22 718	24 325	22 835	

**Abbreviations:** see Explanation

## Copper

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Albania	4 860	5 680	5 920	3 690	2 190	1e
Argentina	116 700	135 700	109 600	102 574	61 811	1n
Armenia	32 128	38 968	44 797	46 849	51 765	1e
Australia	960 000	914 000	1 000 999	965 986	963 602	1e
Azerbaijan	611	502	327	784	969	1e
Bolivia	4 176	8 653	7 549	10 746	9 479	1a
Botswana	31 926	35 770	51 300	47 700	22 284	1e
Brazil	213 760	223 141	270 979	301 197	359 463	1e
Bulgaria	114 600	107 328	115 450	115 540	112 600	1a
Canada	568 779	580 082	652 595	672 729	697 238	1e
Chile	5 262 800	5 433 900	5 776 000	5 749 600	5 764 000	1e
China	1 294 700	1 576 800	1 715 200	1 781 000	1 706 400	1e
Colombia	810	640	4 118	5 463	8 491	1n
Congo, D.R.	499 198	619 942	914 631	1 065 744	1 069 039	1e
Cyprus	3 660	4 328	3 361	3 088	2 121	1a
Dominican Republic	11 777	11 737	10 379	9 262	7 324	1e
Eritrea		0	21 779	88 900	61 600	1n
Finland	14 000	25 445	38 763	42 810	41 805	1e
Georgia	10 210	6 820	25 990	39 320	50 320	1n
India	30 000	28 440	32 276	24 750	32 810	1e
Indonesia	545 263	398 000	509 200	378 800	578 600	1q
Iran	258 900	238 000	222 900	216 800	254 709	1n
Kazakhstan	405 300	426 200	452 500	471 700	467 500	1e
Korea, North	7 000	6 700	6 200	14 400	15 000	2q
Kyrgyzstan				700	3 100	1n
Laos	138 757	149 580	154 915	159 696	167 702	1n
Macedonia	7 550	8 901	8 763	8 500	8 834	1e
Mauritania	39 900	37 670	37 970	33 079	45 001	1e
Mexico	443 621	500 275	480 124	515 025	594 451	1e
Mongolia	121 590	123 940	189 000	251 330	314 325	1e
Morocco	12 080	16 580	13 020	22 360	26 850	1n
Myanmar	12 000	12 000	20 000	33 200	46 900	2q
Namibia	3 400	5 304	5 182	5 086	13 913	1e
Oman	23 400	21 760	12 050	15 140	8 650	1e
Pakistan	15 672	19 229	13 500	13 122	13 056	1n
Papua New Guinea	130 500	125 348	105 523	75 901	49 629	1n
Peru	1 235 345	1 298 761	1 375 639	1 377 642	1 700 814	1e
Philippines	63 835	65 444	90 861	91 922	83 835	1e
Poland	426 665	427 064	428 879	421 700	420 500	1a
Portugal	79 686	74 941	77 236	75 433	83 081	1a
Romania	6 360	9 482	6 700	7 680	7 710	1n
Russia, Asia	499 170	504 000	507 500	518 000	518 000	2q
Russia, Europe	213 930	216 000	217 500	222 000	222 000	2q
Saudi Arabia	1 954	17 639	20 380	43 390	56 126	1e
Serbia	25 250	32 200	32 609	31 584	31 601	1e
Slovakia	28	31	40	46	30	2q
South Africa	89 298	69 859	80 821	78 697	77 360	1e
Spain	75 057	99 884	102 977	104 476	129 788	3a
Sweden	82 967	82 422	82 904	79 681	75 113	1e
Tanzania	5 082	5 836	5 752	6 363	6 468	1e
Turkey	93 690	101 700	120 500	96 300	108 000	2q
United States	1 112 900	1 166 800	1 278 200	1 384 700	1 380 000	1e
Uzbekistan	80 000	80 200	80 000	80 000	90 000	2n

**Abbreviations:** see Explanation

Vietnam	11 890	12 720	14 188	21 762	24 491	1n
Zambia	739 800	699 020	763 805	708 259	711 515	1e
Zimbabwe	6 555	6 665	8 285	8 261	8 218	1e
Total	16 189 090	16 818 031	18 327 636	18 650 467	19 368 181	

## Gallium

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
China	43	50	128	81	121	1n
Hungary	5	4	2	2	0	2n
Japan	6	8	8	8	8	2n
Kazakhstan	19	16	0	0	0	2n
Russia, Europe	10	6	6	4	4	2n
Ukraine	13	11	11	10	13	2n
Total	96	95	155	105	146	

## Germanium

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
China	86	84	89	95	55	1n
Finland	12	16	17	17	13	1e
Japan	2	2	2	2	2	2n
Russia, Asia	4	5	5	6	6	2n
Ukraine	1	1	1	1	1	2n
United States	3	3	3	3	3	2n
Total	108	111	117	124	80	

## Lead

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	26 074	26 475	28 673	29 911	26 000	2q
Australia	620 000	622 000	711 210	727 954	653 488	1e
Bolivia	100 021	81 095	82 131	75 572	75 273	1a
Bosnia-Herzegovina	3 994	3 330	6 222	5 960	6 210	1e
Brazil	8 545	8 922	8 020	10 978	9 400	1q
Bulgaria	14 400	14 764	16 940	17 020	18 370	1a
Burkina Faso			1 017	1 880	2 000	2q
Canada	67 505	62 014	20 678	3 617	253	1e
Chile	841	410	1 829	2 678	2 979	1e
China	2 358 300	2 613 200	2 696 500	2 608 600	2 339 000	1e
Greece	12 918	15 313	14 211	13 016	9 175	1a
Guatemala		2 269	818	10 359	10 153	1n
Honduras	13 100	12 400	11 600	15 500	9 800	1e
India	89 700	104 340	109 810	111 370	143 710	1e
Iran	40 000	45 000	42 000	44 000	40 800	1a

**Abbreviations:** see Explanation

Ireland	50 000	47 400	42 950	40 500	31 300	1a
Kazakhstan	38 800	38 100	40 100	37 800	41 400	1e
Korea, North	32 000	38 000	40 000	36 100	32 400	2e
Korea, South	1 290	1 940	2 500	2 760	2 920	1e
Kosovo	4 500	6 700	7 400	7 700	6 400	1e
Laos	1 360	160	1 600	100	370	1e
Macedonia	37 290	39 180	42 820	43 810	37 920	1e
Mexico	223 717	238 091	253 361	250 462	263 772	1e
Montenegro	1 200	1 500	1 700	1 800	1 800	1q
Morocco	30 860	27 550	30 790	27 530	48 200	2e
Myanmar	8 700	9 800	11 700	18 000	13 600	1n
Namibia	8 300	9 200	10 800	11 700	9 700	1e
Nigeria	7 000	11 300	11 500	11 400	8 000	2q
Pakistan	900	600	120	1 195	136	1a
Peru	230 199	249 236	266 472	277 294	315 784	1e
Poland	40 492	73 231	78 980	83 150	49 000	1a
Portugal		87	1 496	3 191	3 077	1a
Romania	3 000	5 500	800	570	0	1q
Russia, Asia	114 240	144 960	158 400	188 160	188 160	2q
Russia, Europe	4 760	6 040	6 600	7 840	7 840	2q
Saudi Arabia	396	400	0	0	0	1e
Serbia	2 100	2 500	3 100	3 730	2 420	1n
Slovakia	114	166	235	162	160	2q
South Africa	54 460	52 489	41 848	29 348	34 573	1e
Spain	7 813	3 763	2 160	1 223	1 598	3a
Sweden	62 028	63 551	59 556	70 848	79 354	1e
Tajikistan	8 900	18 497	23 107	32 400	37 510	1e
Turkey	45 950	47 350	65 630	94 900	75 900	2q
United Kingdom	280	61	36	0	0	1n
United States	342 000	345 000	340 000	379 000	367 000	1e
Uzbekistan	6 000	10 000	12 000	12 000	12 000	2n
Vietnam	5 200	400	1 900	2 800	1 900	2n
Total	4 729 247	5 104 284	5 311 320	5 355 888	5 020 805	

### Lithium (Li<sub>2</sub>O-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	5 720	5 660	5 700	7 500	7 710	1n
Australia	21 050	27 120	21 000	22 200	24 140	1e
Brazil	336	390	416	452	450	2n
Canada	0	0	0	0	0	1e
Chile	27 680	28 490	24 130	24 820	22 500	1e
China	5 290	6 870	8 600	10 000	9 500	2n
Portugal	447	246	237	208	204	1e
United States	2 600	2 000	1 870	2 150	2 000	2n
Zimbabwe	840	1 670	1 680	1 720	1 845	2n
Total	63 963	72 446	63 633	69 050	68 349	

**Abbreviations:** see Explanation

## Mercury

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	31	37	28	25	25	2q
Chile	89	49	19	20	14	1e
China	1 493	1 347	1 613	2 260	1 861	1q
Iran	2	0	10	12	14	1a
Kyrgyzstan	113	75	31	46	20	1a
Mexico	122	190	268	301	307	1e
Morocco	20	20	20	20	20	2q
Russia, Asia	50	50	50	50	50	2q
Tajikistan	100	103	130	85	96	1e
United States	15	15	15	15	15	2q
Total	2 035	1 886	2 184	2 834	2 422	

## Rare Earths Concentrates (REO-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	2 188	3 222	1 268	7 191	10 916	1n
Brazil	290	206	600	0	880	1b
China	96 900	95 000	93 800	95 000	105 000	1e
Malaysia	571	113	261	220	200	1n
Russia, Europe	1 444	2 131	1 443	2 134	2 312	1e
United States		2 336	3 473	4 769	3 678	1n
Total	101 393	103 008	100 845	109 314	122 986	

## Rhenium

C o u n t r y	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg	Rem
Armenia	254	293	298	351	104	1e
Chile	23 008	25 038	17 364	18 057	22 535	1n
China	2 100	2 200	2 300	2 300	2 400	2n
Kazakhstan	3 000	3 000	2 500	300	3 306	1a
Poland	2 770	2 770	5 210	5 335	6 346	1a
Russia, Europe	1 500	1 500	1 500	1 500	1 500	2n
United States	8 610	7 910	7 100	8 500	7 900	1e
Uzbekistan	1 200	1 200	900	900	1 000	2b
Total	42 442	43 911	37 172	37 243	45 091	

**Abbreviations:** see Explanation

## Selenium

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Armenia	14	17	20	0	1	2n
Belgium	200	200	200	200	200	2b
Canada	128	145	138	142	156	1e
Chile	90	70	41	0	0	2b
China	500	700	1 000	1 300	1 300	2n
Finland	86	93	72	94	93	1e
Germany	650	650	700	700	660	2b
India	16	16	16	16	17	2b
Japan	809	820	741	782	773	1b
Kazakhstan	130	130	130	50	13	1a
Mexico	95	95	132	123	107	1e
Peru	54	42	50	40	40	2b
Philippines	65	70	70	70	70	2n
Poland	85	90	80	90	87	1a
Russia, Asia	265	145	150	170	180	2n
Serbia	13	13	16	17	17	2n
Sweden	70	100	100	100	100	2n
Uzbekistan	20	20	20	20	20	2n
Total	3 290	3 416	3 676	3 914	3 834	

## Tellurium

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Canada	6	10	12	9	10	1e
Japan	47	43	31	37	37	2b
Peru	0	0	22	9	0	2n
Russia, Asia	30	30	31	33	35	2n
Sweden		7	24	31	33	1e
United States	50	50	50	50	50	2n
Total	133	140	170	169	165	

## Tin

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	14 000	6 200	6 472	7 207	7 158	1e
Bolivia	20 373	19 702	19 287	19 791	20 135	1a
Brazil	10 725	13 667	16 830	25 534	18 824	1e
Burundi	16	53	56	81	55	1e
China	127 400	115 900	149 000	157 980	135 000	2q
Congo, D.R.	10 229	10 440	4 162	4 012	4 567	1e
Egypt	0	16	111	48	0	1n
India	37	36	26	19	10	1e
Indonesia	97 404	101 000	88 000	70 000	70 000	2q
Laos	262	520	579	868	1 020	1n

**Abbreviations:** see Explanation

Malaysia	3 343	3 725	3 697	3 777	4 159	1e
Mongolia	42	54	60	60	4	1e
Myanmar	2 100	2 100	9 000	17 000	29 000	2q
Nigeria	1 406	2 408	2 516	2 485	2 298	1n
Peru	28 882	26 105	23 668	23 105	19 511	1e
Portugal	39	41	84	75	42	1a
Russia, Asia	75	152	156	321	360	1n
Rwanda	5 005	3 339	3 524	4 270	2 770	1e
Spain	9	69	0	0	0	1a
Tanzania	22	20	170	79	62	1q
Thailand	180	125	83	98	45	1e
Uganda	0	0	19	33	135	1e
United Kingdom					16	1e
Vietnam	5 400	5 400	5 400	5 400	5 400	2q
Total	326 949	311 072	332 900	342 243	320 571	

## Zinc

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	38 000	42 000	47 700	44 000	33 800	1q
Armenia	9 395	7 371	9 054	8 459	7 111	1e
Australia	1 515 000	1 541 000	1 523 465	1 554 738	1 583 316	1e
Bolivia	425 783	389 911	407 332	448 970	442 154	1a
Bosnia-Herzegovina	5 695	6 000	8 978	8 600	8 960	1e
Brazil	197 840	164 258	152 147	169 766	160 000	2q
Bulgaria	11 000	13 411	13 910	13 070	16 390	1a
Burkina Faso			32 215	67 680	68 670	1n
Canada	622 600	641 100	426 545	352 125	276 519	1e
Chile	36 602	26 762	29 759	45 094	48 071	1e
China	4 050 000	4 859 100	5 187 700	5 118 400	4 748 000	1n
Congo, D.R.	7 470	5 790	6 060	6 370	6 340	1e
Dominican Republic					4 655	1e
Finland	64 115	52 265	41 124	46 063	25 332	1e
Greece	20 999	23 196	22 512	22 953	16 200	1a
Guatemala	6 800	3 300	865	13 394	14 810	1n
Honduras	26 000	26 000	25 000	30 000	23 000	1e
India	726 520	759 530	769 930	767 180	740 740	1e
Iran	138 000	138 000	130 000	150 000	168 210	1a
Ireland	341 000	337 500	326 700	282 600	236 300	1a
Kazakhstan	376 700	369 700	361 500	345 200	339 300	1e
Korea, North	34 000	35 000	36 000	32 000	32 000	2q
Korea, South	740	1 430	1 750	1 920	2 070	1e
Kosovo	2 900	3 800	5 000	5 500	4 000	1q
Laos	2 160	1 162	2 000	2 000	0	1e
Macedonia	28 130	28 040	30 910	31 570	29 150	1e
Mexico	631 859	660 349	642 542	659 878	786 774	1e
Mongolia	52 350	59 550	52 050	46 600	44 800	1a
Montenegro	3 300	4 600	4 600	7 200	7 000	1q
Morocco	45 680	46 440	41 820	45 410	55 360	2e
Myanmar	9 300	10 000	4 800	6 100	4 850	1n
Namibia	191 200	194 400	184 100	156 300	123 675	1a
Nigeria	3 100	13 800	7 000	7 000	14 200	2q
Pakistan	11 100	10 024	0	0	0	1a
Peru	1 256 383	1 281 282	1 351 273	1 315 475	1 421 523	1e

**Abbreviations:** see Explanation

Philippines	18 170	19 559	16 730	0	0	1e
Poland	87 200	76 700	77 000	70 000	65 000	1a
Portugal	4 227	30 006	53 382	67 384	66 871	1a
Romania	9 000	8 400	2 000	3 120	2 900	1e
Russia, Asia	173 540	168 520	186 030	170 630	176 880	2q
Russia, Europe	23 660	22 980	25 370	23 270	24 120	2q
Saudi Arabia	4 934	21 213	26 293	41 804	37 513	1e
Serbia	3 100	6 000	5 800	7 180	4 670	1n
Slovakia	103	134	190	176	170	2q
South Africa	36 629	37 034	30 145	26 141	29 040	1e
Spain	33 199	28 634	30 428	26 756	41 800	1q
Sweden	194 021	188 325	176 582	221 841	246 983	1e
Tajikistan	9 000	24 000	29 955	42 740	47 740	1e
Thailand	29 678	33 328	34 516	45 380	36 210	1e
Tunisia	600	7 400	7 700	7 400	0	1q
Turkey	160 000	209 000	200 000	211 500	173 600	2q
United States	768 900	738 400	784 400	831 500	824 700	1e
Uzbekistan	5 000	6 000	8 000	8 000	8 000	2n
Vietnam	34 000	25 000	20 000	17 000	17 000	2q
Total	12 486 682	13 406 704	13 600 862	13 633 437	13 296 477	

### 6.4.3 Precious Metals

#### Gold

C o u n t r y	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg	Rem
Algeria	449	323	140	85	80	1q
Argentina	59 140	54 651	52 486	71 770	71 235	1q
Armenia	2 147	1 941	2 324	2 845	2 805	2n
Australia	259 052	251 654	268 262	274 047	279 190	1e
Azerbaijan	1 775	1 563	1 619	1 875	2 240	1n
Benin	20	30	30	30	30	2q
Bolivia	6 487	27 488	18 127	24 803	13 000	1a
Botswana	1 562	1 377	1 206	958	756	1n
Brazil	65 209	66 773	79 563	81 038	83 127	1e
Bulgaria	5 302	6 100	7 390	6 810	7 930	1a
Burkina Faso	32 600	30 169	32 959	36 499	36 350	1e
Burundi	1 052	2 046	2 823	650	549	1e
Cameroon	600	225	480	517	250	2n
Canada	102 624	107 486	133 636	152 460	159 040	1e
Central African Republic	53	55	55	55	55	2q
Chile	45 137	49 936	51 309	46 031	42 501	1e
China	360 960	403 060	428 160	451 799	450 053	1e
Colombia	55 908	66 178	55 745	57 015	59 202	1e
Congo, D.R.	309	2 813	6 149	23 937	31 878	1e
Congo, Rep.	35	35	35	35	35	2q
Costa Rica	500	500	2 000	1 050	950	1a
Cote d'Ivoire	11 009	11 232	12 961	17 381	20 245	1n
Dominican Republic	495	4 106	26 084	35 402	30 454	1e
Ecuador	4 923	5 139	8 676	7 322	7 723	1e
Egypt	6 305	8 175	11 502	11 734	13 657	1n
Eritrea	11 788	9 735	2 862	840	0	1n
Ethiopia	11 600	12 200	13 050	10 340	9 370	1e

**Abbreviations:** see Explanation

Fiji	1 572	1 439	1 218	1 196	1 290	1e
Finland	6 674	9 100	8 660	8 085	8 342	1e
French Guiana	1 140	1 000	2 000	2 000	1 265	1q
Gabon	300	666	1 137	1 012	1 301	1n
Georgia	3 100	3 100	4 300	2 300	3 073	1n
Ghana	90 959	98 489	99 303	106 771	96 905	1e
Greece	960	1 066	2 492	2 328	1 600	1a
Greenland	104	203	0	0	0	1n
Guatemala	11 898	6 473	6 386	6 140	5 641	1e
Guinea	18 798	16 154	18 140	23 458	19 030	1n
Guyana	11 292	13 643	14 963	12 053	14 024	1e
Honduras	1 893	1 858	1 985	2 762	2 598	1e
India	2 194	1 588	1 564	1 440	1 323	1e
Indonesia	76 763	69 291	59 804	69 349	92 171	1a
Iran	1 000	1 500	1 656	1 760	2 368	1a
Japan	8 692	7 232	7 411	7 114	7 699	1e
Kazakhstan	36 846	39 903	42 552	50 339	63 720	1e
Kenya	1 636	3 642	2 100	237	300	1e
Korea, South	209	336	413	283	269	1e
Kyrgyzstan	18 600	10 333	19 298	18 117	17 015	1e
Laos	3 984	6 415	6 838	5 260	6 893	1n
Liberia	449	641	587	620	1 016	1e
Madagascar	1	157	0	0	0	2q
Malaysia	4 219	4 625	3 823	4 308	4 854	1e
Mali	42 100	46 200	47 000	45 800	46 503	1e
Mauritania	8 199	7 647	9 518	9 624	8 805	1e
Mexico	88 649	102 802	117 848	117 771	134 759	1e
Mongolia	5 703	5 995	8 904	19 963	20 829	1n
Morocco	520	519	463	377	448	1n
Mozambique	111	178	91	197	242	1e
Myanmar	100	380	611	689	1 250	1n
Namibia	2 063	2 287	2 046	2 140	6 085	1a
New Zealand	11 761	10 049	12 468	11 989	12 687	1e
Nicaragua	6 395	6 981	8 611	8 648	8 522	1e
Niger	1 846	1 677	1 151	732	1 220	1e
Nigeria	3 700	4 000	4 000	4 000	4 000	2q
Oman	40	19	0	0	0	1e
Panama	2 057	2 207	1 116	11	0	1n
Papua New Guinea	62 271	55 660	58 476	52 631	51 495	1n
Peru	166 186	161 545	156 257	140 097	146 823	1e
Philippines	31 120	14 596	17 248	18 423	21 310	1e
Poland	510	469	431	226	431	1a
Romania	500	500	500	500	500	2q
Russia, Asia	173 817	185 814	199 670	231 630	237 340	1e
Russia, Europe	13 083	13 986	15 030	17 435	17 860	1e
Saudi Arabia	4 612	4 286	4 158	4 789	5 089	1e
Senegal	4 089	6 666	6 445	6 588	5 779	1a
Serbia	1 032	900	1 154	1 310	1 186	1n
Sierra Leone	164	141	96	43	106	1e
Slovakia	398	546	533	582	580	2q
Solomon Islands	1 588	2 109	1 945	531	0	1e
South Africa	180 293	155 286	160 016	151 622	144 504	1e
Spain	529	1 529	1 994	1 942	1 628	1n
Sudan	23 739	46 133	70 000	73 300	82 400	1e
Suriname	12 606	12 507	11 001	10 641	9 397	1n
Sweden	5 994	6 015	6 530	6 849	6 028	1e
Tajikistan	2 240	2 400	2 674	3 436	4 200	1e
Tanzania	40 390	39 012	43 390	40 481	42 413	1e

**Abbreviations:** see Explanation

Thailand	5 568	4 895	4 419	4 514	3 305	1e
Togo	16 469	18 551	21 086	20 583	15 568	1e
Turkey	24 400	29 390	33 980	31 260	27 800	1e
Uganda	1	4	5	24	13	1e
United Kingdom	202	102	42	0	0	1n
United States	233 925	234 623	228 234	210 076	212 304	1e
Uruguay	1 719	1 930	2 038	1 719	1 413	1n
Uzbekistan	91 000	90 000	98 000	102 000	103 000	1e
Venezuela	4 608	1 982	1 675	1 056	558	1e
Vietnam	1 333	1 508	1 681	123	0	1n
Zambia	3 493	4 232	5 207	4 803	4 238	1e
Zimbabwe	12 994	14 743	14 001	15 386	20 023	1e
Total	2 644 441	2 726 845	2 908 006	3 020 801	3 088 043	

## Palladium

C o u n t r y	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg	Rem
Australia	350	565	630	613	425	1e
Botswana	2 115	2 582	1 337	560	156	1n
Canada	14 300	15 520	16 350	22 000	21 700	2n
Finland	0	379	766	808	784	1e
Poland	13	23	30	51	51	1e
Russia, Asia	65 625	63 733	63 757	62 811	59 051	1n
Russia, Europe	18 510	17 976	17 983	17 716	16 655	1n
Serbia	20	22	25	23	22	2n
South Africa	79 625	73 373	76 670	66 095	83 482	1n
United States	12 400	12 314	12 572	12 448	12 532	1n
Zimbabwe	8 422	8 136	10 153	10 138	10 055	1e
Total	201 380	194 623	200 273	193 263	204 913	

## Platinum

C o u n t r y	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg	Rem
Australia	91	141	156	153	108	1e
Botswana	373	435	218	124	31	1n
Canada	8 000	6 570	8 000	8 700	8 500	2n
Colombia	1 231	1 460	1 836	1 135	861	1e
Finland	0	429	946	1 060	992	1e
Poland	23	39	51	86	86	1e
Russia, Asia	20 777	19 931	18 314	17 418	16 671	1n
Russia, Europe	5 194	4 983	4 578	4 354	4 168	1n
Serbia	6	3	2	3	2	2n
South Africa	151 163	127 835	130 884	110 324	142 174	1n
United States	3 700	3 664	3 723	3 655	3 667	1n
Zimbabwe	10 827	10 524	13 065	12 483	12 564	1e
Total	201 385	176 014	181 773	159 495	189 824	

**Abbreviations:** see Explanation

## Rhodium

C o u n t r y	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg	Rem
Canada	357	400	470	550	530	2n
Russia, Asia	2 177	2 799	2 488	2 488	2 488	1n
South Africa	19 937	17 947	17 231	14 588	19 004	1n
United States	265	284	100	124	93	1n
Zimbabwe	940	891	1 146	1 140	1 128	1e
Total	23 676	22 321	21 435	18 890	23 243	

## Silver

C o u n t r y	2011 kg	2012 kg	2013 kg	2014 kg	2015 kg	Rem
Algeria	91	53	27	16	0	1q
Argentina	702 000	749 594	774 477	905 112	1 079 291	1n
Armenia	19 001	16 667	18 179	18 374	18 350	2n
Australia	1 725 000	1 769 789	1 839 783	1 846 847	1 373 798	1e
Azerbaijan	5 391	3 679	2 049	970	890	1n
Bolivia	1 214 000	1 205 804	1 287 200	1 345 022	1 306 000	1a
Botswana		8 670	22 597	22 328	2 800	1e
Brazil	15 238	20 145	22 427	25 381	25 000	2q
Bulgaria	55 000	55 100	55 000	13 130	14 000	2n
Canada	661 089	685 255	640 362	495 403	379 860	1e
Chile	1 291 272	1 194 521	1 173 845	1 571 788	1 504 271	1e
China	3 253 400	3 639 110	3 670 213	3 499 144	3 393 392	1n
Colombia	24 045	19 368	13 968	11 498	10 155	1e
Congo, D.R.	10 080	12 342	60 431	6 485	2 412	1n
Cote d'Ivoire	410	572	647	600	576	1n
Dominican Republic	18 169	27 296	78 522	129 706	91 928	1e
Ecuador	1 589	2 934	1 198	577	122 883	1a
Eritrea	4 417	29 922	15 799	0	0	1n
Ethiopia	2 400	2 400	1 449	1 000	990	1n
Fiji	418	342	462	361	354	1e
Finland	11 160	10 479	14 226	12 830	13 051	1e
Ghana	3 900	4 000	4 000	4 000	4 000	2n
Greece	33 316	39 759	39 028	35 785	25 170	1a
Guatemala	272 771	204 556	265 943	858 356	862 814	1n
Honduras	48 400	50 605	50 916	56 826	34 369	1e
India	207 144	374 046	349 774	327 647	426 443	1e
Indonesia	227 173	247 827	123 109	119 189	151 934	1a
Iran	40 000	40 000	673	34 945	48 380	1a
Ireland	6 100	9 454	7 822	6 436	3 770	1q
Japan	4 486	3 526	3 644	3 541	4 616	1e
Kazakhstan	650 649	963 182	963 829	989 247	1 305 326	1e
Korea, North	50 000	50 000	50 000	50 000	50 000	2q
Korea, South	2 649	2 926	3 897	3 264	4 586	1e
Kosovo	1 800	1 800	0	0	0	1q
Kyrgyzstan	4 900	2 650	5 070	5 609	8 101	1e
Laos	17 976	20 292	32 262	39 801	51 764	1n
Macedonia	30 000	31 000	32 000	33 000	30 000	2n
Malaysia	460	1 627	361	533	900	1q

**Abbreviations:** see Explanation

Mexico	4 777 710	5 358 195	5 827 001	5 765 662	5 955 151	1e
Mongolia	26 750	26 770	41 060	54 820	69 000	1a
Morocco	186 090	170 340	194 078	189 147	216 383	1n
Namibia	0	1 000	1 400	1 128	877	1a
New Zealand	14 325	5 630	11 223	15 811	12 498	1e
Nicaragua	7 928	10 207	13 745	13 587	18 227	1e
Niger	200	329	110	67	100	2q
Oman	1 979	486	0	0	0	1e
Papua New Guinea	93 310	81 332	89 885	82 642	62 943	1n
Peru	3 418 863	3 480 857	3 674 283	3 768 147	4 101 568	1e
Philippines	45 530	49 211	40 043	23 005	29 780	1e
Poland	1 167 000	1 149 000	1 161 114	1 256 200	1 283 000	1a
Portugal	28 380	29 890	40 621	43 172	41 337	1n
Romania	18 000	18 000	18 000	18 000	18 000	2q
Russia, Asia	1 388 700	1 282 500	1 284 886	1 290 484	1 413 654	1n
Russia, Europe	154 300	142 500	142 765	143 387	157 073	1n
Saudi Arabia	5 839	5 500	4 158	4 888	5 530	1e
Senegal	539	670	850	1 150	540	1n
Serbia	7 400	8 400	5 800	8 586	7 488	1n
Slovakia	330	441	508	437	400	2q
Solomon Islands	592	902	735	271	0	1e
South Africa	73 180	67 304	68 777	49 220	51 861	1e
Spain	29 900	32 943	31 000	31 000	27 300	2q
Sudan	700	700	700	1 000	1 000	2q
Sweden	301 959	309 337	341 346	382 611	479 686	1e
Tajikistan	1 664	1 768	1 833	1 870	2 658	1e
Tanzania	13 500	12 310	11 720	14 493	15 820	1e
Thailand	19 456	32 047	32 381	31 046	21 047	1e
Turkey	246 500	193 890	189 600	183 880	193 556	1e
United Kingdom	531	230	82	0	0	1n
United States	1 122 300	1 055 300	1 037 000	1 183 900	1 090 000	1e
Uzbekistan	60 000	60 000	60 000	60 000	60 000	2q
Total	23 829 349	25 089 281	25 951 893	27 094 362	27 688 651	

#### 6.4.4 Industrial Minerals

##### Asbestos

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Brazil	306 320	304 569	290 825	311 227	310 000	2n
Canada	50 000	0	0	0	0	1e
China	440 000	420 000	420 000	400 000	400 000	2b
India	276	389	172	0	0	1e
Kazakhstan	223 200	241 200	243 400	213 100	179 700	1e
Russia, Asia	200 000	200 000	162 200	170 000	180 000	2n
Russia, Europe	800 000	800 000	648 800	680 000	720 000	2n
Zimbabwe	0	30	377	0	0	1e
Total	2 019 796	1 966 188	1 765 774	1 774 327	1 789 700	

**Abbreviations:** see Explanation

## Baryte

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Afghanistan	2 000	0	0	0	0	2n
Algeria	30 208	30 587	23 686	56 829	32 020	1e
Argentina	4 980	9 345	25 744	14 365	11 017	1e
Australia	10 569	12 373	13 176	14 676	6 017	1e
Bolivia	21 297	21 157	30 476	26 240	46 732	1a
Bosnia-Herzegovina	13	0	0	0	0	2n
Brazil	216 478	186 134	34 943	3 389	3 000	2n
Canada	22 000	22 000	22 000	22 000	30 000	2n
China	4 300 000	4 400 000	4 000 000	4 100 000	2 984 000	1n
Colombia	2 000	2 000	1 000	2 000	0	1e
Egypt	1 168	4 000	3 800	4 000	4 000	2n
Germany	55 342	52 030	45 446	87 575	68 297	1e
Guatemala	333	91	343	43	544	1e
India	1 776 980	1 789 431	1 170 522	910 963	900 000	1n
Iran	407 000	393 000	450 000	671 316	1 085 667	1a
Italy	3 500	3 500	0	0	0	1n
Kazakhstan	466 200	590 100	563 700	655 500	752 300	1e
Laos	12 400	21 900	10 500	30 610	90 330	1e
Malaysia	0	0	500	14 456	16 624	1e
Mexico	134 727	139 997	343 585	350 000	265 700	1e
Morocco	769 500	1 021 400	1 094 500	1 006 600	1 040 000	2n
Myanmar	29 743	15 339	31 295	23 060	2 836	1e
Nigeria	4 988	10 000	10 000	10 000	10 000	2n
Pakistan	31 836	48 510	118 471	133 658	204 940	1a
Peru	87 848	79 451	53 139	106 071	28 407	1e
Russia, Asia	55 800	56 700	153 000	193 500	153 000	2n
Russia, Europe	6 200	6 300	17 000	21 500	17 000	2n
Saudi Arabia	30 000	32 000	30 000	32 000	43 000	1e
Slovakia	15 700	21 000	21 000	20 900	21 000	2n
Thailand	67 703	64 499	107 437	134 961	170 621	1e
Tunisia	5 700	11 000	5 300	9 800	10 000	1e
Turkey	250 786	827 652	736 316	203 984	655 943	1e
United Kingdom	31 000	30 000	30 000	44 000	40 000	2e
United States	710 000	666 000	723 000	663 000	425 000	1e
Vietnam	90 000	90 000	90 000	112 000	140 000	1n
Total	9 653 999	10 657 496	9 959 879	9 678 996	9 257 995	

## Bentonite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Algeria	29 000	26 300	27 670	31 510	34 400	1e
Argentina	228 357	193 795	200 000	200 000	180 000	2n
Armenia	5 004	7 491	18 456	3 640	9 228	1e
Australia	77 700	58 000	90 000	70 000	75 000	2n
Azerbaijan	20 700	36 700	97 700	81 900	56 800	1e
Bolivia	500	747	182	886	1 023	1a
Bosnia-Herzegovina	17 662	18 000	18 808	27 285	30 000	2n
Brazil	294 782	286 016	305 746	344 611	340 000	2n

**Abbreviations:** see Explanation

Bulgaria	53 900	110 000	0	41 100	61 600	1a
Chile	1 255	893	358	1 083	1 434	1e
China	3 500 000	3 500 000	3 610 000	3 600 000	3 650 000	2b
Cuba	1 244	668	335	700	500	1e
Cyprus	160 625	160 180	158 386	140 174	127 036	1a
Czech Republic	160 000	221 000	226 000	301 000	369 000	1a
Denmark	38 300	30 330	56 355	66 388	54 272	1e
Egypt	33 132	17 709	4 600	2 000	2 000	2n
France	20 000	28 000	23 111	11 607	11 000	2n
Germany	375 332	366 220	358 844	394 657	392 831	1e
Greece	1 188 442	1 235 105	1 000 000	1 011 485	1 123 320	1a
Guatemala	115 603	131 843	18 418	75 200	718	1e
Hungary	17 308	1 392	10 360	13 893	14 170	1a
India	996 000	1 081 000	1 380 000	1 380 000	1 100 000	1b
Indonesia	6 500	6 500	7 000	7 000	7 000	2n
Iran	422 000	427 000	397 106	419 693	435 974	1a
Iraq	6 452	6 530	6 288	6 000	6 000	2n
Italy	112 811	95 757	20 709	20 000	12 840	1e
Japan	430 000	430 000	500 000	500 000	500 000	2n
Korea, South	94 987	88 543	80 188	71 850	78 439	1e
Macedonia	8 918	2 355	18 520	11 691	9 004	1e
Malawi	1 000	1 000	0	0	0	1e
Mexico	563 795	956 224	826 887	519 625	294 236	1e
Morocco	97 100	91 200	105 240	98 757	100 000	2n
Mozambique	493	846	93	739	350	1e
Myanmar	170	550	1 552	0	0	2n
New Zealand	0	2 263	762	1 000	700	2n
Pakistan	30 840	16 520	26 077	40 374	23 283	1a
Peru	27 534	22 977	47 744	37 375	21 341	1e
Philippines	2 087	2 700	3 330	3 370	3 350	2n
Poland	910	780	1 050	650	450	1a
Romania	19 864	19 241	24 127	18 583	20 000	2n
Russia, Asia	92 000	100 000	136 000	136 000	136 000	2n
Russia, Europe	368 000	400 000	544 000	544 000	544 000	2n
Slovakia	158 400	146 800	197 600	214 000	199 841	1e
Slovenia	168	98	143	199	232	1a
South Africa	120 417	120 566	177 187	171 119	165 535	1e
Spain	110 721	96 605	102 726	105 627	100 604	3a
Thailand	55 220	141 000	150	0	0	1e
Turkey	490 458	1 032 325	731 936	1 098 817	3 134 911	1e
Turkmenistan	50 000	50 000	50 000	7 387	10 000	2n
Ukraine	211 000	219 000	220 000	220 000	220 000	2n
United States	4 990 000	4 980 000	4 350 000	4 800 000	4 040 000	1e
Uruguay	1 210	5 530	8 974	7 800	4 252	1e
Total	15 807 901	16 974 299	16 190 718	16 860 775	17 702 674	

## Boron

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	648 806	525 674	425 140	375 000	300 000	2n
Bolivia	135 000	127 638	157 338	151 799	148 738	1a
Chile	491 421	449 572	582 074	496 533	517 584	1e
China	150 000	160 000	165 000	165 000	160 000	2b
Iran	1 044	3 000	914	180	515	1a

**Abbreviations:** see Explanation

Kazakhstan	30 000	30 000	30 000	30 000	30 000	2n
Peru	0	104 072	224 454	239 725	662 709	1e
Russia, Asia	75 000	75 000	76 199	81 234	82 000	1e
Turkey	2 130 000	2 220 000	2 000 000	1 870 000	1 840 000	1e
United States	1 092 700	1 102 000	1 032 000	1 118 000	1 218 000	1n
Total	4 753 971	4 796 956	4 693 119	4 527 471	4 959 546	

## Diamonds (Gem)

C o u n t r y	2011 ct	2012 ct	2013 ct	2014 ct	2015 ct	Rem
Angola	7 495 666	7 497 896	8 424 423	7 912 206	8 114 709	1c
Australia	3 836 604	4 498 652	5 747 140	4 551 178	6 644 790	1e
Botswana	16 033 188	14 433 300	15 885 100	17 260 600	14 576 800	1e
Brazil	15 024	16 247	16 225	18 785	10 503	1c
Canada	10 752 002	10 529 000	10 599 660	12 011 619	11 677 471	1e
Central African Republic	258 861	292 734	0	0	0	1c
China	201	1 855	1 050	0	0	1c
Congo, D.R.	3 849 811	4 304 853	3 559 800	3 331 600	3 150 700	1e
Cote d'Ivoire	0	0	0	859	11 940	1n
Ghana	226 695	172 094	127 259	192 896	139 350	1e
Guinea	227 839	200 100	151 774	123 044	125 161	1c
Guyana	39 205	30 573	41 946	74 963	88 838	1e
India	1 479	2 559	3 000	2 889	2 886	1e
Lesotho	44 836	95 785	82 803	69 203	60 846	1c
Liberia	23 920	20 560	28 690	44 930	44 240	1e
Namibia	1 269 200	1 576 438	1 674 260	1 791 002	1 676 108	1e
Russia, Asia	21 083 880	20 956 590	22 730 484	22 982 100	25 147 434	1c
Sierra Leone	215 974	409 524	462 054	503 942	420 158	1e
South Africa	2 847 155	2 899 971	3 251 483	3 223 527	3 293 094	1e
Tanzania	34 587	108 098	152 688	214 945	184 025	1e
Zimbabwe	2 550 794	3 618 049	3 123 545	1 431 491	1 008 000	1e
Total	70 806 921	71 664 878	76 063 384	75 741 779	76 377 053	

## Diamonds (Ind)

C o u n t r y	2011 ct	2012 ct	2013 ct	2014 ct	2015 ct	Rem
Angola	832 852	833 100	936 047	879 134	901 634	1c
Australia	3 993 201	4 682 271	5 981 717	4 736 940	6 916 005	1e
Botswana	6 871 366	6 185 700	6 807 900	7 397 400	6 247 200	1e
Brazil	30 502	32 987	32 941	38 138	21 323	1c
Cameroon			2 723	3 718	2 245	1c
Central African Republic	64 715	73 183	0	0	0	1c
Congo, D.R.	15 399 246	17 219 413	14 239 200	13 326 400	12 602 790	1e
Congo, Rep.	76 548	51 588	56 495	53 163	40 057	1c
Cote d'Ivoire	0	0	0	215	2 985	1n
Ghana	56 674	43 024	31 815	48 224	34 838	1e
Guinea	75 946	66 700	50 591	41 015	41 720	1c
Guyana	13 068	10 191	13 982	24 988	29 613	1e
India	17 010	29 430	34 515	33 218	33 184	1e

**Abbreviations:** see Explanation

Lesotho	179 344	383 141	331 211	276 814	243 386	1c
Liberia	15 950	13 710	19 130	29 950	29 490	1e
Namibia	66 800	82 970	88 118	94 263	88 216	1e
Russia, Asia	14 055 920	13 971 060	15 153 656	15 321 400	16 764 956	1c
Sierra Leone	139 369	123 031	142 687	90 426	79 881	1e
South Africa	4 270 732	4 349 957	4 877 224	4 835 290	4 939 640	1e
Tanzania	6 104	19 076	26 940	37 930	32 475	1e
Togo	207	456	24	23	0	1e
Zimbabwe	5 951 854	8 442 114	7 288 273	3 340 146	2 352 000	1e
Total	52 117 408	56 613 102	56 115 189	50 608 795	51 403 638	

## Diatomite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Algeria	2 132	2 137	2 124	2 426	2 360	1e
Argentina	60 651	278 126	209 000	200 000	200 000	2b
Armenia	29 232	29 148	19 376	20 439	18 915	1e
Australia	20 000	20 000	9 238	12 000	15 000	2n
Brazil	4 415	3 427	1 947	5 080	5 000	2n
Chile	22 938	23 021	27 092	31 000	26 186	1e
China	440 000	420 000	430 000	430 000	420 000	2b
Costa Rica	4 029	4 000	19 037	10 851	20 537	1a
Czech Republic	46 000	43 000	49 000	34 000	15 000	1a
Denmark	125 625	110 625	128 100	118 800	127 500	1e
Ethiopia	4 100	4 000	4 000	4 000	4 000	2n
France	85 000	85 000	85 000	90 000	90 000	2n
Iran	0	0	9 500	9 912	9 500	1a
Kenya	2 039	1 746	1 054	1 195	1 090	1e
Korea, South	5 150	6 000	34 000	65 893	15 310	1e
Mexico	84 231	84 537	87 463	87 849	89 810	1e
Mozambique	49	541	375	78	0	1e
New Zealand	0	0	4	43 624	0	1e
Peru	57 839	93 996	124 917	151 398	120 672	1e
Spain	83 624	60 777	53 713	59 619	50 500	3a
Thailand	38 130	8 500	0	0	0	1e
Turkey	45 187	86 403	84 571	61 884	86 656	1e
United States	813 000	735 000	782 000	901 000	832 000	1e
Total	1 973 371	2 099 984	2 161 511	2 341 048	2 150 036	

## Feldspar

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Algeria	148 000	264 000	290 000	230 372	230 000	2n
Argentina	216 721	273 896	226 435	220 000	220 000	2n
Australia	79 316	95 934	63 685	46 202	40 777	1e
Austria	27 000	32 000	35 000	35 000	35 000	1e
Brazil	333 352	247 152	294 357	417 771	400 000	2n
Chile	7 563	6 399	3 874	4 233	6 577	1e
China	2 100 000	2 100 000	2 100 000	2 100 000	2 500 000	2b

**Abbreviations:** see Explanation

Colombia	85 000	60 000	46 000	46 000	12 234	1e
Cuba	3 100	3 800	3 200	3 600	3 300	1e
Czech Republic	407 000	445 000	411 000	422 000	433 000	1a
Ecuador	130 498	152 590	210 142	183 259	253 253	1e
Egypt	210 000	400 000	232 660	400 000	300 000	2n
Finland	26 292	43 124	47 636	46 233	38 026	1e
France	600 000	600 000	550 000	550 000	550 000	2n
Germany	5 000 000	5 320 977	5 399 644	5 846 646	4 649 326	1e
Greece	27 500	33 800	0	0	0	1a
Guatemala	7 517	19 356	19 611	10 410	10 340	1e
India	835 526	1 459 008	1 512 982	1 343 366	1 350 000	2n
Indonesia	1 758 900	742 900	1 530 600	1 474 100	1 206 700	1e
Iran	576 643	1 110 000	1 313 233	1 128 569	1 003 354	1a
Italy	2 381 764	2 179 522	2 182 561	2 185 000	2 200 000	2n
Japan	104 109	100 000	100 000	105 000	105 000	2n
Korea, South	384 221	359 513	343 366	528 958	601 030	1e
Macedonia	25 032	17 168	15 168	18 076	20 289	1e
Malaysia	379 629	237 945	314 399	378 446	340 777	1e
Mexico	382 497	380 441	164 484	150 726	159 372	1e
Morocco	43 889	36 000	61 000	45 000	45 000	2n
Norway	25 271	0	0	1 278	76	1a
Pakistan	23 254	53 235	38 218	92 672	38 568	1a
Peru	11 645	26 359	22 695	18 019	16 979	1e
Philippines	22 050	24 969	30 388	34 232	35 000	2n
Poland	539 000	487 000	513 000	68 910	76 540	1a
Portugal	114 600	109 273	70 057	70 865	93 789	1e
Romania	3 814	4 112	7 060	7 570	7 000	2n
Russia, Asia	96 000	96 000	132 900	124 800	123 000	2n
Russia, Europe	64 000	64 000	88 600	83 200	82 000	2n
Saudi Arabia	160 000	227 000	160 000	168 000	176 000	1e
Serbia	23 586	19 927	20 000	20 000	20 000	2n
South Africa	101 559	94 458	191 443	102 541	130 184	1e
Spain	662 418	530 238	592 908	533 328	560 000	3a
Sri Lanka	53 337	87 318	96 043	95 000	95 000	2n
Sudan	9 519	26 283	31 700	50 680	94 354	1e
Sweden	30 000	27 000	30 000	27 000	29 000	1e
Thailand	1 041 152	1 100 723	1 072 656	1 413 428	1 331 916	1e
Turkey	7 076 068	9 479 699	13 764 126	7 960 844	10 422 766	1e
Ukraine	178 614	146 286	133 933	94 506	44 500	1e
United States	580 000	560 000	550 000	530 000	520 000	1e
Uruguay	0	0	4	300	200	1e
Venezuela	76 726	85 115	91 054	93 934	75 527	1e
Total	27 173 682	29 969 520	35 107 822	29 510 074	30 685 754	

## Fluorspar

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Afghanistan	0	0	0	2 000	2 000	2n
Argentina	25 099	35 874	37 967	35 000	35 000	2b
Brazil	25 040	24 148	27 712	23 849	24 000	2n
Bulgaria	31 800	69 700	82 500	130 800	131 900	1a
China	4 200 000	4 200 000	4 000 000	4 300 000	4 400 000	2b
Egypt	3 808	7 700	850	900	900	2n
Germany	65 619	54 202	48 744	58 100	57 741	1e

**Abbreviations:** see Explanation

India	5 010	3 092	2 486	2 947	2 333	1e
Iran	55 976	80 000	69 828	78 736	39 286	1a
Kenya	95 051	91 000	71 987	97 156	70 096	1e
Korea, North	12 500	6 500	5 000	5 000	4 000	2n
Mexico	1 206 907	1 237 091	1 210 477	1 109 721	624 574	1e
Mongolia	407 100	428 900	337 800	313 300	280 300	1a
Morocco	79 200	79 300	81 200	79 840	85 000	1n
Namibia	90 834	74 157	65 348	99 984	0	1e
Pakistan	3 156	6 859	13 344	7 500	5 960	1e
Russia, Asia	107 820	116 100	50 580	7 380	7 200	2n
Russia, Europe	11 980	12 900	5 620	820	800	2n
South Africa	195 502	170 338	157 776	164 054	220 000	1n
Spain	109 284	101 000	96 810	120 582	130 647	3a
Sudan	50	950	0	0	0	1e
Thailand	5 093	9 602	2 432	4 590	15 095	1e
Turkey	4 524	5 197	3 874	4 271	6 238	1e
United Kingdom	0	0	30 000	77 000	81 000	2e
Vietnam			15 919	95 494	214 000	2n
<b>Total</b>	<b>6 741 353</b>	<b>6 814 610</b>	<b>6 418 254</b>	<b>6 819 024</b>	<b>6 438 070</b>	

## Graphite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Austria	925	219	200	150	150	2n
Brazil	105 188	88 110	91 908	87 026	75 073	3e
Canada	20 000	25 000	30 000	30 000	30 000	2b
China	800 000	820 000	750 000	780 000	780 000	2b
Germany		109	269	517	398	1e
India	153 339	134 735	146 390	116 712	134 568	1e
Iran	360	0	0	0	0	1a
Korea, North	30 000	40 000	30 000	30 000	40 000	2n
Korea, South	0	0	0	0	62	1e
Madagascar	3 573	3 629	3 833	5 316	8 100	2n
Mexico	7 348	7 520	7 024	9 160	6 524	1e
Norway	7 789	6 992	6 207	8 308	9 185	1a
Romania	7 000	7 000	0	0	0	2n
Russia, Europe	14 000	14 000	14 000	15 000	15 000	2b
Sri Lanka	3 358	3 094	3 083	3 819	4 212	1n
Sweden					295	1e
Turkey	5 250	31 500	28 740	3 850	0	1e
Ukraine	8 000	6 000	7 000	8 000	8 000	2n
Zimbabwe	7 252	7 022	6 934	6 853	6 362	1e
<b>Total</b>	<b>1 173 382</b>	<b>1 194 930</b>	<b>1 125 588</b>	<b>1 104 711</b>	<b>1 117 929</b>	

## Gypsum and Anhydrite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Afghanistan	62 000	65 000	65 000	57 000	57 000	2n
Albania	93 000	91 000	112 000	109 000	110 000	2n
Algeria	1 800 000	2 000 000	2 100 000	2 130 459	2 150 000	2n

**Abbreviations:** see Explanation

Angola	220 000	240 000	240 000	180 000	300 000	1n
Argentina	1 452 797	1 432 517	1 550 000	1 500 000	1 500 000	2n
Armenia	34 027	30 446	28 700	22 317	19 400	1e
Australia	2 523 420	3 371 945	2 980 878	3 059 999	3 134 439	1e
Austria	815 438	791 961	635 299	729 892	715 195	1e
Azerbaijan	100 800	150 500	249 800	222 700	196 500	1e
Bhutan	352 234	313 173	351 421	414 148	389 365	1e
Bolivia	600	645	1 223	1 464	650	1a
Bosnia-Herzegovina	90 642	73 365	68 550	88 977	58 800	1e
Brazil	3 228 931	3 749 860	3 332 991	3 447 012	3 450 000	2n
Bulgaria	114 800	113 700	119 100	87 800	108 600	1a
Canada	2 449 449	2 550 000	2 654 000	1 792 709	1 727 870	1e
Chile	917 759	799 064	1 015 158	843 490	860 075	1e
China	37 000 000	38 000 000	38 000 000	40 000 000	40 000 000	2n
Colombia	200 000	200 000	200 000	300 000	445 855	1e
Croatia	185 521	126 580	143 180	164 464	126 470	1e
Cuba	131 400	131 000	87 100	97 800	90 900	1e
Cyprus	335 000	327 800	315 000	347 600	471 885	1a
Czech Republic	11 000	14 000	11 000	11 000	11 000	1a
Dominican Republic	147 220	316 980	233 340	363 240	350 700	1e
Egypt	941 753	966 250	457 602	940 615	872 141	1e
Eritrea	800	800	1 000	1 000	1 000	2n
Ethiopia	46 000	46 000	42 452	43 000	45 000	2n
France	4 800 000	3 685 000	3 455 000	3 279 000	3 300 000	2n
Germany	2 695 662	2 653 906	2 417 125	2 699 775	2 574 312	1e
Greece	590 000	621 329	760 000	664 288	649 280	1a
Guatemala	47 500	99 628	117 619	81 805	111 351	1e
Honduras	5 500	5 500	5 500	2 598	2 600	2n
India	3 978 806	3 556 723	3 115 363	2 477 849	2 500 000	2n
Indonesia	7 500	7 500	8 000	8 000	8 000	2n
Iran	18 300 000	19 000 000	21 118 681	19 550 120	17 793 500	1a
Ireland	300 000	200 000	200 000	300 000	250 000	1a
Israel	20 437	45 407	27 200	82 000	82 000	2n
Italy	5 939 000	2 563 000	3 163 273	5 886 650	5 717 300	1e
Jamaica	79 521	64 753	48 322	45 200	43 000	1e
Jordan	254 860	260 000	270 000	275 000	275 000	2n
Kenya	6 520	6 653	5 500	5 900	5 800	1e
Kyrgyzstan	1 002 000	312 700	600 700	484 300	60 617	1a
Laos	686 100	562 386	772 138	584 338	600 000	2n
Latvia	215 950	252 710	272 340	270 120	225 370	1e
Lebanon	110 000	110 000	110 000	110 000	110 000	2n
Libya	250 000	120 000	120 000	150 000	150 000	2n
Macedonia	162 984	157 844	162 661	156 492	172 525	1e
Mauritania	72 153	45 576	20 000	20 000	35 000	1n
Mexico	6 463 860	9 456 478	7 903 159	7 043 563	7 101 612	1e
Moldova	159 300	188 200	161 500	172 300	194 900	1e
Myanmar	89 900	64 079	60 510	104 994	99 860	1e
Nicaragua	29 709	34 886	36 498	46 569	37 115	1e
Niger	6 058	600	0	0	0	1e
Oman	1 254 051	1 915 300	2 812 600	3 387 300	6 180 800	1e
Pakistan	885 368	1 260 021	1 249 967	1 326 437	1 417 007	1a
Paraguay	4 500	4 500	4 500	4 500	4 500	2n
Peru	481 770	390 705	297 727	543 856	438 025	1e
Poland	1 226 000	1 227 900	1 084 560	1 052 470	1 018 450	1a
Portugal	337 272	264 427	299 038	328 730	309 966	1a
Romania	834 009	879 000	736 100	815 586	820 000	2n
Russia, Europe	3 907 000	4 179 000	4 223 000	4 500 000	4 400 000	2b
Saudi Arabia	2 205 000	1 700 000	1 700 000	1 780 000	1 860 000	1e

**Abbreviations:** see Explanation

Slovakia	143 000	138 000	56 000	67 900	70 000	2n
Somalia	1 500	1 500	1 500	1 500	0	2n
South Africa	476 118	558 242	559 443	376 223	231 688	1e
Spain	7 825 747	6 359 923	7 388 699	6 925 120	7 790 000	3a
Sudan	13 000	117 073	132 000	111 271	28 965	1e
Switzerland	310 000	330 000	340 000	340 000	340 000	2n
Syria	559 000	328 000	300 000	200 000	100 000	2n
Tajikistan	12 000	14 000	15 000	12 455	8 339	1e
Tanzania	38 700	91 600	220 500	200 179	254 800	1e
Thailand	11 608 222	12 304 371	13 646 725	13 421 918	12 143 168	1e
Tunisia	606 324	752 641	744 589	771 652	690 000	1e
Turkey	5 723 439	8 248 446	9 790 097	9 051 158	8 638 715	1e
Ukraine	2 294 000	2 224 000	2 175 400	1 525 300	1 255 000	1e
United Kingdom	1 700 000	1 700 000	1 200 000	1 200 000	1 200 000	2e
United States	9 770 000	12 800 000	14 400 000	14 900 000	15 200 000	1e
Venezuela	7 000	0	0	0	0	1e
Vietnam	5 000	5 000	5 000	0	0	2n
Yemen	110 000	120 000	120 000	100 000	100 000	2n
Total	151 865 931	157 891 093	163 428 328	164 400 102	163 791 410	

## Kaolin

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Algeria	108 000	100 970	42 504	181 068	180 000	2n
Argentina	54 166	66 574	67 000	40 000	49 000	2n
Australia	40 340	80 202	207 927	169 904	153 365	1e
Austria	18 897	13 497	11 558	14 343	12 668	1e
Bosnia-Herzegovina	120 796	149 495	96 563	98 325	100 000	2n
Brazil	1 927 000	2 388 000	2 139 000	2 055 000	1 653 856	3e
Bulgaria	200 000	252 100	281 600	321 700	314 900	1a
Chile	59 912	60 429	60 000	60 000	60 000	1e
China	3 200 000	3 300 000	3 300 000	3 300 000	4 000 000	1n
Cuba	3 000	4 000	3 600	1 700	1 500	1e
Czech Republic	3 606 000	3 318 000	3 108 000	3 281 000	3 454 000	1a
Ecuador	76 660	42 564	100 195	40 236	63 829	1e
Egypt	300 000	300 000	300 000	300 000	300 000	2n
Eritrea	200	200	200	200	200	2n
Ethiopia	4 498	4 000	3 534	3 500	3 500	2n
France	310 000	308 000	300 000	310 000	310 000	2n
Germany	4 898 516	4 398 796	4 348 562	4 275 422	3 733 714	1e
Guatemala	10 550	1 866	1 342	1 285	1 101	1e
India	3 076 795	4 258 697	4 781 519	3 861 380	4 770 000	1b
Indonesia	661 900	623 300	739 900	753 000	683 000	1e
Iran	762 000	800 000	946 388	820 067	791 193	1a
Iraq	3 000	3 000	0	0	0	2n
Italy	200 000	200 000	577 249	384 891	305 327	1e
Japan	12 000	12 000	13 000	13 000	12 000	2n
Jordan	89 903	76 000	80 000	100 000	100 000	2n
Kenya	1 100	1 100	1 100	1 100	1 100	2n
Korea, South	798 690	514 841	532 050	429 081	356 866	1e
Kyrgyzstan	163 000	124 500	187 400	200 000	200 000	2n
Malaysia	405 717	438 923	293 480	207 694	261 574	1e
Mexico	372 506	514 730	669 860	546 437	366 049	1e
New Zealand	21 545	11 578	13 066	61 382	13 659	1e

**Abbreviations:** see Explanation

Nigeria	100 000	100 000	100 000	100 000	100 000	2n
Oman	142 600	139 500	114 700	66 600	169 500	1e
Pakistan	16 000	22 000	22 917	16 191	18 956	1a
Paraguay	10 000	10 000	10 000	10 000	6 000	2n
Peru	18 169	34 586	32 249	19 964	43 251	1e
Philippines	3 529	4 631	6 568	7 050	7 000	2n
Poland	285 150	249 090	267 730	277 900	286 650	1a
Portugal	322 091	321 039	248 008	269 073	247 482	1e
Romania	0	116	32 722	30 638	31 000	2n
Russia, Europe	45 000	50 000	50 000	45 000	50 000	2n
Saudi Arabia	65 000	137 000	101 000	106 000	111 000	1e
Serbia	90 472	69 487	70 000	70 000	70 000	2n
Slovakia	4 000	3 000	6 000	5 900	5 900	2n
South Africa	15 220	20 500	22 295	27 258	20 150	1e
Spain	384 179	402 251	410 717	344 414	390 000	3a
Sri Lanka	11 157	11 805	12 990	12 000	12 000	2n
Sudan	15 096	11 579	26 000	50 000	14 490	1e
Taiwan	16 936	26 376	15 963	1 808	1 000	2n
Tanzania	1 177	1 422	907	3 809	4 000	2n
Thailand	134 531	141 764	119 512	123 621	102 763	1e
Turkey	1 229 352	988 081	1 168 441	2 032 103	1 887 302	1e
Uganda	20 883	42 886	43 875	46 286	34 697	1e
Ukraine	1 354 000	1 218 000	1 179 380	1 426 447	1 815 000	1e
United Kingdom	1 290 000	1 150 000	1 110 000	1 090 000	1 014 000	1e
United States	5 950 000	5 900 000	6 140 000	6 250 000	5 990 000	1e
Venezuela	1 482	2 447	2 793	0	0	1e
Vietnam	650 000	650 000	650 000	650 000	650 000	2n
Total	33 682 715	34 074 922	35 171 364	34 913 777	35 334 542	

## Magnesite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	645 972	592 800	507 367	590 955	663 212	1e
Austria	867 912	778 810	714 422	754 096	702 504	1e
Bosnia-Herzegovina	900	900	0	0	0	2n
Brazil	476 805	479 304	557 431	550 000	550 000	2n
Canada	150 000	150 000	150 000	150 000	150 000	2b
China	16 000 000	16 000 000	17 000 000	18 430 000	17 440 000	1e
Finland			0	12 276	22 390	1e
Greece	541 813	351 266	383 000	360 268	383 230	1a
Guatemala	311	27 132	17 196	24 268	25 000	2n
India	224 104	224 315	196 940	285 009	265 022	1e
Iran	172 697	143 000	170 741	165 886	165 073	1a
Korea, North	150 000	150 000	180 000	180 200	154 000	2e
Mexico		100 724	101 000	100 000	101 000	1e
Pakistan	4 908	5 544	6 705	3 770	4 581	1a
Philippines	4 784	4 822	5 998	6 200	6 200	2n
Poland	75 000	84 000	97 000	92 000	96 000	1a
Russia, Asia	130 000	140 000	140 000	140 000	130 000	2n
Russia, Europe	1 170 000	1 260 000	1 260 000	1 260 000	1 170 000	2n
Saudi Arabia	159 000	39 000	63 400	71 000	77 000	1e
Serbia	20 000	20 000	24 000	24 000	20 000	2b
Slovakia	1 196 600	1 008 460	933 200	887 500	880 000	2n
South Africa	31 987	12 878	8 219	10 000	10 000	2n

**Abbreviations:** see Explanation

Spain	577 725	649 977	836 269	679 348	464 691	3a
Turkey	2 588 276	2 475 828	2 597 465	2 377 157	3 335 258	1e
Zimbabwe	169	0	0	0	0	1e
Total	25 188 963	24 698 760	25 950 353	27 153 933	26 815 161	

## Perlite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	27 446	24 663	24 737	22 680	23 282	1e
Armenia	74 627	0	77 784	84 904	57 657	1e
Australia	2 362	940	1 300	0	0	1e
Chile			4 800	800	3 000	1e
Greece	842 870	876 396	890 000	985 328	890 670	1a
Hungary	70 108	70 000	31 024	32 750	31 275	1a
Iran	20 000	30 000	55 101	42 646	63 030	1a
Mexico	30 750	29 950	27 200	26 000	13 000	1e
New Zealand	0	3 598	0	0	0	1e
Philippines	6 272	9 221	14 249	17 134	17 000	2n
Russia, Europe	45 000	45 000	45 000	45 000	45 000	2n
Slovakia	23 000	24 000	16 000	17 000	17 000	2n
South Africa	1 349	1 740	1 078	1 000	1 000	2n
Thailand	26 500	41 400	14 293	54 100	17 200	1e
Turkey	702 673	887 600	1 075 949	897 125	843 242	1e
United States	420 000	393 000	419 000	462 000	459 000	1e
Total	2 292 957	2 437 508	2 697 515	2 688 467	2 481 356	

## Phosphates (P<sub>2</sub>O<sub>5</sub>-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Algeria	437 500	425 100	391 000	482 100	438 200	1e
Australia	572 700	547 400	474 790	448 500	236 375	1e
Brazil	2 374 000	2 388 000	2 504 000	2 521 000	2 167 000	3e
Burkina Faso	650	650	650	0	0	2n
Chile	4 460	4 370	4 190	6 400	5 470	1e
China	24 366 900	28 588 800	32 553 000	36 131 400	42 611 100	1e
Christmas Island	150 190	154 560	132 250	154 330	177 100	1n
Colombia	12 500	18 750	19 000	20 000	22 630	1e
Egypt	404 000	712 500	1 788 700	1 305 300	1 401 000	1e
Finland	313 100	308 900	315 800	340 640	344 360	1e
India	555 440	458 800	338 910	363 040	337 610	1e
Indonesia	400	400	0	0	0	2n
Iran	110 000	110 000	113 600	36 527	65 342	1a
Iraq	45 840	43 530	63 800	25 000	0	1e
Israel	838 400	948 500	966 100	906 400	1 192 600	1e
Jordan	2 430 080	2 042 530	1 727 550	2 285 990	2 667 520	1e
Kazakhstan	399 900	438 800	410 500	485 400	548 500	1e
Korea, North	93 000	95 000	95 000	95 000	95 000	2n
Malawi	0	2 110	2 000	1 900	2 110	1e
Mexico	507 182	517 400	717 435	520 040	578 830	1e

**Abbreviations:** see Explanation

Morocco	8 960 000	8 643 000	8 441 700	8 748 400	8 388 700	1e
Nauru	197 200	167 600	136 800	58 000	45 700	1e
Pakistan	5 570	12 490	18 890	18 350	15 230	1a
Peru	3 377 932	3 931 450	5 640 080	4 136 020	4 241 420	1e
Philippines	3 088	3 283	3 887	4 340	4 500	2n
Russia, Europe	3 822 000	3 900 000	4 095 000	4 173 000	4 524 000	1n
Saudi Arabia		306 600	364 000	382 200	400 400	1e
Senegal	546 170	500 350	342 120	309 820	589 110	1a
South Africa	897 687	784 800	746 100	703 900	648 300	1e
Sri Lanka	20 480	16 650	17 190	21 910	18 340	1e
Syria	1 062 000	460 000	270 000	370 000	225 000	2b
Tanzania	3 040	6 000	225 060	162 360	49 020	1e
Thailand	3 300	1 990	350	500	0	1e
Togo	309 025	399 850	441 164	394 600	418 100	1e
Tunisia	719 000	801 100	952 200	1 097 400	936 200	1e
Turkey	1 600	9 500	153 000	181 200	214 000	1e
United States	8 160 000	8 590 000	8 930 000	7 110 000	7 710 000	1e
Uzbekistan	152 100	154 800	155 000	136 510	166 800	1e
Venezuela	46 970	42 430	29 780	10 030	7 370	1e
Vietnam	718 590	709 140	796 830	741 270	827 430	3e
Zimbabwe	13 800	5 040	0	0	0	1e
Total	62 635 794	67 252 173	74 377 426	74 888 777	82 320 367	

### Potash (K<sub>2</sub>O-Content)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Belarus	5 306 000	4 831 000	4 242 700	6 340 000	6 468 000	1e
Brazil	395 002	346 509	310 892	311 021	293 000	1e
Canada	10 686 000	8 976 000	10 196 090	10 817 955	11 419 865	1e
Chile	861 240	1 052 500	1 193 390	1 167 980	1 179 560	1e
China	2 598 800	3 900 000	4 300 000	4 400 000	4 200 000	1n
Germany	3 214 696	3 149 386	3 075 201	3 126 913	3 056 528	1e
Iran		0	3 600	449 700	632 100	1a
Israel	1 701 200	1 943 900	1 893 300	1 830 600	1 281 000	1e
Jordan	1 377 750	1 112 640	1 063 840	1 275 460	1 436 550	1e
Laos	0	26 600	82 500	189 400	239 100	1e
Russia, Europe	6 310 000	5 507 000	6 048 000	7 260 000	6 840 000	1n
Spain	436 026	527 060	711 272	706 664	667 959	3a
United Kingdom	486 409	568 530	580 000	600 000	610 000	2e
United States	1 000 000	900 000	960 000	850 000	740 000	1e
Uzbekistan	30 000	108 000	84 600	96 360	103 000	1n
Total	34 403 123	32 949 125	34 745 385	39 422 053	39 166 662	

### Salt

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Afghanistan	146 700	145 303	40 992	87 014	88 183	1e
Albania	25 000	25 000	30 575	24 700	22 100	1e
Algeria	238 000	190 000	188 000	192 982	200 000	2n
Angola	45 000	45 000	45 000	45 000	47 845	1n

**Abbreviations:** see Explanation

Argentina	1 888 676	1 843 975	1 652 000	1 500 000	1 500 000	2n
Armenia	106 082	172 422	135 938	149 398	142 605	1e
Australia	12 846 973	13 263 665	13 503 221	13 573 324	11 903 561	1e
Austria	1 142 860	958 187	1 115 410	1 154 309	1 002 356	1e
Azerbaijan	20 941	28 550	32 021	35 156	39 461	1e
Bahamas	713 138	659 671	956 789	1 495 158	970 393	1e
Bangladesh	1 168 000	1 634 000	1 753 000	1 627 000	1 282 000	1e
Belarus	2 576 330	2 176 650	2 600 000	1 800 000	2 000 000	2n
Benin	15 000	4 800	4 800	4 000	4 000	2n
Bolivia	1 300	1 905	2 262	2 419	2 216	1a
Bosnia-Herzegovina	715 972	743 807	727 894	819 327	866 195	1e
Botswana	446 525	367 749	521 306	515 311	404 295	1e
Brazil	6 165 000	7 481 870	7 275 453	7 501 051	7 500 000	2n
Bulgaria	2 200 000	2 100 000	2 000 000	3 300 000	3 100 000	1a
Cambodia	100 000	80 000	147 000	270 000	300 000	1e
Canada	12 603 074	10 852 635	12 209 108	14 161 562	14 286 111	1e
Cape Verde	1 600	1 000	1 000	1 000	1 000	2n
Chile	9 966 038	8 057 130	6 576 960	10 553 440	11 831 116	1e
China	67 421 600	69 117 800	64 603 000	64 338 000	59 750 000	1e
Colombia	457 692	520 268	432 410	445 840	417 438	1e
Croatia	21 197	17 642	15 700	0	111 978	1e
Cuba	280 800	215 900	222 400	243 300	284 900	1e
Denmark	600 000	600 000	600 000	600 000	600 000	1e
Dominican Republic	40 000	18 170	7 690	23 670	25 890	1e
Egypt	2 460 462	2 809 000	2 802 000	2 194 000	1 543 000	1e
El Salvador	98 200	103 100	100 000	100 000	100 000	2n
Eritrea	27 000	28 000	28 000	28 000	28 000	2n
Ethiopia	388 153	320 000	318 402	320 000	320 000	2n
France	6 200 000	6 850 000	6 300 000	6 300 000	6 000 000	2n
Germany	17 442 465	14 646 485	17 389 096	13 330 692	13 957 574	1e
Ghana	200 000	250 000	250 000	250 000	250 000	2n
Greece	174 500	191 970	189 500	146 402	121 537	1a
Guatemala	50 000	50 000	0	0	0	1e
Honduras	25 000	25 000	30 000	54 400	45 400	1e
Iceland	5 000	5 000	5 000	5 000	5 000	2n
India	22 179 100	24 546 900	23 019 300	26 887 000	27 000 000	2e
Indonesia	1 217 840	1 855 290	872 710	1 877 170	2 186 600	1e
Iran	2 714 735	2 962 000	2 078 682	3 940 112	4 448 463	1a
Iraq	136 000	143 440	182 000	180 000	180 000	2n
Israel	399 649	415 000	442 000	459 742	460 000	2n
Italy	2 912 128	2 862 440	3 543 881	3 200 000	3 030 687	1e
Jamaica	14 001	14 587	14 166	14 169	14 379	1e
Japan	978 000	925 000	929 000	928 000	938 000	1e
Jordan	0	32 000	10 000	8 000	10 000	2n
Kazakhstan	364 222	463 960	531 429	596 508	641 728	1e
Kenya	24 639	9 980	8 895	18 936	21 201	1e
Korea, North	500 000	500 000	500 000	500 000	500 000	2n
Korea, South	372 230	308 847	421 259	303 510	342 844	1e
Kuwait	12 709	12 000	65 243	56 273	55 000	2n
Kyrgyzstan	2 400	2 700	3 900	5 300	4 744	1a
Laos	45 400	47 600	50 000	51 000	50 000	2n
Lebanon	20 000	20 000	20 000	15 000	15 000	2n
Libya	40 000	40 000	30 000	30 000	30 000	2n
Madagascar	75 000	75 000	75 000	80 000	80 000	2n
Malta	6 000	6 000	6 000	6 000	5 000	2n
Mexico	9 361 454	10 100 935	10 126 601	10 520 508	9 718 027	1e
Mongolia	2 182	2 461	2 179	1 852	1 686	1e
Montenegro	10 000	16 000	10 000	0	0	1e

**Abbreviations:** see Explanation

Morocco	720 800	144 200	488 300	439 160	430 000	2n
Mozambique	110 000	110 000	110 000	120 000	120 000	2n
Myanmar	162 319	207 261	169 109	187 616	129 478	1e
Namibia	1 263 317	810 000	826 985	797 405	732 980	1e
Netherlands	6 865 000	6 513 000	6 518 000	6 485 000	6 742 969	1e
New Zealand	70 000	76 000	60 000	65 000	65 000	2n
Nicaragua	30 000	30 000	50 000	55 200	55 000	2n
Niger	1 300	0	0	0	0	1e
Oman	12 348	12 800	11 800	12 900	12 600	1e
Pakistan	1 953 711	2 135 760	2 159 939	2 530 507	2 404 116	1a
Panama	16 577	15 596	27 197	25 660	23 294	1e
Peru	1 468 266	1 242 765	1 205 435	1 175 157	1 471 131	1e
Philippines	720 146	774 820	992 640	1 050 000	1 000 000	2n
Poland	3 887 200	3 524 700	4 056 000	4 265 085	3 468 000	1a
Portugal	631 295	520 284	473 095	69 702	30 008	1e
Romania	2 513 903	2 338 749	2 397 398	2 058 292	2 180 000	1e
Russia, Europe	3 046 000	3 187 000	3 008 000	4 338 000	4 377 000	1e
Saudi Arabia	1 890 000	1 611 000	1 900 000	1 990 000	2 080 000	1e
Senegal	258 250	237 385	238 888	249 224	268 176	1e
Serbia	23 144	16 506	13 704	12 994	13 202	1e
Slovenia	4 291	5 684	3 360	0	2 191	1a
South Africa	379 685	399 135	477 038	493 798	517 159	1e
Spain	4 503 772	4 108 662	4 309 839	4 269 637	4 445 329	3a
Sri Lanka	86 398	63 861	36 920	102 018	29 352	1e
Sudan	10 791	26 315	20 800	37 295	23 434	1e
Switzerland	509 700	518 200	586 400	434 500	435 000	2n
Syria	71 000	34 000	34 000	30 000	30 000	2n
Taiwan	104 854	70 750	80 966	81 893	82 000	2n
Tajikistan	27 000	27 900	31 000	34 553	35 554	1e
Tanzania	36 400	34 000	34 000	54 757	92 200	1e
Thailand	1 359 493	1 363 539	1 300 156	1 381 067	1 385 911	1e
Tunisia	1 587 681	1 244 000	1 293 880	1 124 019	1 280 000	1e
Turkey	5 779 845	5 378 208	5 613 506	5 331 412	10 994 822	1e
Turkmenistan	215 000	220 000	220 000	91 651	100 000	2n
Ukraine	5 948 000	6 181 000	5 796 000	2 498 000	2 137 000	1e
United Kingdom	6 060 000	6 460 000	6 930 000	4 690 000	5 000 000	2e
United States	45 000 000	37 200 000	39 900 000	45 300 000	45 000 000	2e
Venezuela	681 000	661 000	508 000	610 000	642 000	1e
Vietnam	862 000	776 400	718 700	905 600	991 000	3e
Yemen	80 000	85 000	85 000	85 000	70 000	2n
Total	289 362 453	280 329 274	280 440 227	290 352 637	289 683 419	

## Sulfur

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Algeria	16 200	10 400	8 400	5 800	5 000	1e
Armenia	33 700	42 900	51 000	10 300	10 400	1e
Australia	860 000	860 000	860 000	900 000	900 000	2b
Austria	9 669	10 329	9 789	8 280	8 502	1e
Bahrain	134 800	126 500	131 100	133 650	126 780	1e
Brazil	510 000	519 000	560 000	550 000	530 000	2b
Bulgaria	325 000	325 000	325 000	325 000	325 000	2n
Canada	6 608 000	6 259 000	6 301 000	5 842 000	5 745 000	1e
Chile	1 606 600	1 531 000	1 474 400	1 513 900	1 488 300	1e

Abbreviations: see Explanation

China	9 700 000	9 900 000	10 500 000	12 000 000	10 000 000	2n
Colombia	58 073	63 790	52 470	48 513	63 236	1e
Denmark	3 045	3 925	3 599	4 435	93 024	1e
Egypt	80 000	80 000	80 000	80 000	80 000	2n
Finland	791 300	830 000	828 000	845 000	847 000	2n
France	650 000	500 000	400 000	400 000	380 000	2n
Germany	874 639	798 257	754 540	708 146	627 797	1e
Greece	214 943	227 197	230 000	220 000	155 000	2n
India	2 120 346	2 240 804	2 263 625	2 564 808	2 741 100	2e
Indonesia	520 000	500 000	540 000	540 000	540 000	2n
Iran	1 575 000	2 000 000	2 100 000	2 100 000	2 200 000	2b
Iraq	20 000	20 000	37 500	37 000	40 000	2n
Italy	740 000	740 000	740 000	740 000	740 000	2b
Japan	3 381 829	3 397 250	3 464 700	3 250 900	3 233 300	2n
Jordan	303 800	275 700	268 800	304 800	254 900	1e
Kazakhstan	2 800 000	2 600 000	2 900 000	2 950 000	3 150 000	2n
Korea, North	42 000	42 000	42 000	42 000	42 000	2n
Korea, South	1 738 400	1 750 000	1 750 000	1 800 000	1 960 000	1n
Kuwait	743 000	844 300	850 000	823 860	753 500	1n
Libya	50 000	100 000	70 000	50 000	50 000	2n
Lithuania	76 700	73 050	81 400	76 600	84 000	1e
Mexico	959 663	1 011 900	1 030 259	992 939	858 527	1e
Norway	115 000	110 000	130 000	130 000	110 000	2n
Oman	45 790	53 490	32 800	41 950	43 295	1e
Pakistan	27 645	25 560	20 610	35 672	19 730	1a
Peru	529 800	503 900	561 900	533 800	565 500	1e
Poland	916 100	962 200	833 900	629 620	651 420	1a
Qatar	1 655 937	1 844 000	2 000 000	2 136 000	2 377 000	1n
Russia, Europe	6 730 000	6 750 000	6 800 000	7 300 000	6 720 000	2b
Saudi Arabia	3 200 000	3 400 000	3 900 000	4 400 000	4 900 000	2b
South Africa	337 972	257 019	270 173	277 018	284 381	1e
Spain	650 000	680 000	640 000	650 000	520 000	2n
Taiwan	219 975	231 296	192 292	195 280	200 000	2n
Turkey	116 000	112 900	112 700	98 800	78 600	1e
Turkmenistan	200 000	200 000	300 000	505 905	600 000	2n
Ukraine	130 000	130 000	120 000	120 000	120 000	2n
United Arab Emirates	1 800 000	2 000 000	2 100 000	2 300 000	2 000 000	2n
United Kingdom	165 000	158 000	313 000	134 000	130 000	2n
United States	8 950 000	9 000 000	9 210 000	9 630 000	9 540 000	1e
Venezuela	800 000	800 000	800 000	800 000	700 000	2b
Zambia	240 000	310 000	310 000	300 000	300 000	2n
Total	64 375 926	65 210 667	67 354 957	70 085 976	67 892 292	

## Talc

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	24 379	23 576	24 000	25 000	25 000	2n
Australia	120 000	83 402	105 000	120 000	115 000	2n
Austria	132 018	134 665	134 814	131 108	122 306	1e
Bhutan	8 562	16 063	9 584	12 601	5 807	1e
Brazil	443 533	459 539	592 844	644 478	700 000	2n
Canada	116 000	130 000	175 000	90 000	175 000	1e
Chile	349	730	0	0	0	1e
China	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2b

**Abbreviations:** see Explanation

Egypt	12 934	21 516	63 358	20 000	20 000	2n
Finland	429 494	396 332	361 840	380 821	332 174	1e
France	400 000	400 000	400 000	450 000	450 000	2n
Greece	200	0	0	0	0	1a
Guatemala	3 650	2 449	3 254	3 368	3 779	1e
India	1 254 329	1 219 746	1 112 602	921 712	920 000	2n
Iran	58 987	116 000	92 958	52 492	150 965	1a
Italy	140 000	140 000	162 234	165 000	165 000	2n
Japan	374 000	365 000	370 000	375 000	375 000	2n
Korea, North	50 000	50 000	50 000	50 000	50 000	2b
Korea, South	526 316	504 758	607 881	628 349	603 231	1e
Macedonia	547	286	621	483	598	1e
Mexico	51 221	463 214	846 813	752 077	20 452	1e
Morocco	5 100	200	0	0	0	2n
Nepal	3 556	6 935	5 140	5 703	2 211	1e
Norway	8 191	7 983	0	0	0	1a
Pakistan	47 561	55 515	93 214	89 022	116 223	1a
Peru	58 684	61 958	64 577	46 706	52 990	1e
Portugal	15 462	15 131	11 348	14 942	11 204	1a
Romania	131	13	0	0	0	2n
Russia, Asia	80 000	80 000	80 000	75 000	75 000	2n
Russia, Europe	80 000	80 000	80 000	75 000	75 000	2n
Saudi Arabia	25 000	8 000	6 000	7 000	8 000	1e
Slovakia	7 000	2 000	2 000	3 300	3 300	2n
South Africa	94 273	23 499	22 303	23 727	21 298	1e
Spain	17 534	8 857	0	0	0	3a
Sweden	3 000	0	0	0	0	1e
Taiwan	659	778	3 274	3 000	3 000	2n
Thailand	7 604	40 856	34 700	57 308	52 268	1e
Turkey	125 421	99 788	103 004	114 414	182 362	1e
United Kingdom	3 708	3 667	2 947	4 907	5 000	2e
United States	616 000	515 000	542 000	609 987	687 000	1e
Uruguay	54 880	370	708	360	585	1e
Total	7 600 283	7 737 826	8 364 018	8 152 865	7 729 753	

## Vermiculite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Argentina	1 000	320	0	0	0	2n
Australia	8 297	9 256	9 091	0	0	1e
Brazil	54 970	51 986	60 379	56 444	70 000	1n
China	80 000	90 000	50 000	50 000	50 000	2n
Egypt	2 865	2 093	2 750	2 700	3 000	2b
India	10 194	7 947	11 851	15 327	23 267	1e
Iran	1 200	1 200	1 200	1 200	1 000	2n
Japan	6 000	6 000	6 200	6 200	6 000	2n
Kenya	515	457	400	440	410	1e
Mexico	241	500	425	226	299	1e
Russia, Europe	21 000	21 800	20 900	21 000	21 000	2b
South Africa	170 571	132 886	127 658	143 007	138 290	1e

**Abbreviations:** see Explanation

Turkey			1 604	716	425	1e
Uganda	7 960	51 962	2 296	2 661	801	1e
United States	100 000	100 000	100 000	100 000	100 000	2e
Zimbabwe	7 228	21 625	28 808	30 740	30 350	1e
Total	472 041	498 032	423 562	430 661	444 842	

## Zirconium

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	762 000	605 000	388 000	752 826	687 326	1e
Brazil	23 283	20 425	24 687	23 659	24 000	2n
China	150 000	150 000	150 000	140 000	140 000	2b
India	25 996	21 125	19 017	15 000	12 000	2n
Indonesia	127 000	109 000	49 400	21 000	30 900	1n
Kenya			0	15 004	25 951	1e
Madagascar	18 242	31 242	31 345	27 275	12 500	2n
Malaysia	1 685	442	379	677	650	2n
Mozambique	43 600	46 900	31 400	50 800	51 800	1n
Russia, Europe	8 914	7 969	8 504	7 930	8 180	1n
Senegal				9 040	45 248	1n
Sierra Leone	8 354	612	2 950	2 416	1 389	1e
South Africa	432 282	367 190	224 446	398 101	397 420	1n
Sri Lanka	641	293	228	1 335	614	1e
Turkey	500	200	0	1 100	1 500	1e
Ukraine	27 000	29 000	41 000	35 000	30 000	1n
United States	104 935	85 000	78 000	65 000	60 000	1e
Vietnam	24 020	26 000	26 000	15 730	8 000	2n
Total	1 758 452	1 500 398	1 075 356	1 581 893	1 537 478	

## 6.4.5 Mineral Fuels

### Steam Coal

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Afghanistan	1 479 600	1 239 900	1 347 000	1 517 400	1 364 800	1e
Argentina	90 000	95 000	83 000	83 000	48 000	1e
Australia	197 688 000	215 765 000	236 601 000	247 956 000	252 266 000	1p
Bangladesh	666 635	835 000	854 804	947 125	675 775	1e
Bhutan	108 904	98 731	77 744	121 891	85 164	1e
Botswana	740 270	1 454 724	1 495 653	1 711 555	2 065 778	1e
Brazil	3 369 000	3 446 000	4 949 000	4 515 000	4 469 000	1p
Bulgaria	14 100	7 200	23 400	0	9 600	1a
Canada	27 931 000	25 914 000	25 876 000	28 966 000	25 200 000	1e
Chile	654 102	711 714	2 902 444	4 168 185	3 161 726	1e
China	2 894 413 000	2 950 106 000	2 984 054 000	2 847 246 000	2 749 125 000	1p
Colombia	81 383 000	84 118 000	80 600 000	83 468 235	80 716 510	1e
Czech Republic	5 921 080	6 031 730	4 042 400	3 930 280	3 884 180	1a
Ethiopia	21 000	0	0	0	0	1n
France	149 000	290 000	313 000	300 000	0	1e

**Abbreviations:** see Explanation

Georgia	362 033	444 284	397 000	350 000	360 000	1n
Germany	5 301 000	4 878 800	3 209 700	3 224 800	2 626 600	1e
India	488 290 000	504 820 000	508 947 000	551 733 000	578 347 000	1e
Indonesia	401 260 000	441 386 000	487 503 000	483 667 000	466 539 000	1p
Iran	112 000	104 000	183 000	148 000	148 000	1p
Italy	92 000	80 000	62 107	86 000	73 000	1e
Kazakhstan	95 666 000	99 823 000	99 916 000	89 185 000	85 000 000	1p
Korea, North	30 184 000	30 288 000	29 942 000	30 831 000	35 208 000	1p
Korea, South	2 084 000	2 094 000	1 815 000	1 748 000	1 764 050	1e
Kyrgyzstan	109 000	153 000	251 000	291 700	228 000	1p
Laos	166 609	129 927	104 260	105 564	105 000	1e
Malawi	76 500	70 552	67 024	63 673	58 774	1e
Malaysia	2 915 788	2 941 620	2 907 463	2 687 764	2 559 444	1e
Mexico	13 718 159	13 656 051	13 065 353	13 453 540	7 245 472	1e
Mongolia	12 878 000	11 684 000	12 692 000	10 477 000	10 597 000	2p
Mozambique	373 000	1 962 200	2 312 973	2 546 586	1 813 717	1e
Myanmar	646 000	782 000	535 000	642 000	535 000	2p
Nepal	13 165	10 904	14 084	8 151	1 189	1e
New Zealand	2 505 000	2 526 000	2 184 000	1 901 000	1 738 000	1p
Niger	246 016	235 072	241 792	255 936	221 024	1e
Nigeria	13 430	62 410	40 360	127 467	144 880	1e
Norway	1 639 000	1 325 655	2 067 522	1 701 077	1 203 382	1a
Pakistan	3 291 617	3 178 986	2 813 079	3 340 192	3 407 659	1a
Peru	182 792	226 908	211 885	229 213	251 788	1e
Philippines	6 881 000	7 853 530	7 564 790	8 400 000	8 170 000	1e
Poland	65 018 800	68 117 000	64 601 000	60 252 000	59 204 000	1p
Romania	35 000	43 000	47 000	47 000	47 000	2p
Russia, Asia	193 700 000	206 200 000	204 900 000	211 800 000	215 500 000	1e
South Africa	251 238 000	257 009 000	252 928 000	257 092 000	248 884 000	2p
Spain	4 264 789	3 910 732	2 574 258	2 607 182	1 557 251	3a
Swaziland	121 050	152 284	257 090	177 930	141 733	1e
Tajikistan	236 400	412 000	518 000	878 131	1 042 491	1e
Tanzania	82 856	78 672	128 920	246 128	257 321	1e
Turkey	2 385 000	2 223 000	2 050 000	1 815 000	2 188 000	1p
Ukraine	42 875 000	44 826 000	44 764 000	33 208 000	22 453 000	1p
United Kingdom	17 509 000	15 901 000	12 493 000	11 549 000	8 526 000	1e
United States	837 211 000	768 014 000	743 730 000	760 930 000	690 006 000	1p
Uzbekistan	96 500	75 800	56 000	407 249	412 000	2p
Venezuela	2 611 436	1 910 801	1 229 309	800 640	801 697	1e
Vietnam	46 611 000	42 083 000	41 064 000	41 086 000	41 484 000	3e
Zambia	1 000	90 493	415 233	159 151	103 439	1n
Zimbabwe	2 562 000	2 614 000	2 665 000	5 361 000	3 873 000	1p
Total	5 750 193 631	5 834 490 680	5 896 687 647	5 820 550 745	5 627 898 444	

## Coking Coal

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	146 712 000	146 944 000	159 494 200	180 295 000	191 056 000	1p
Canada	29 452 000	31 086 000	34 063 000	31 950 000	26 000 000	1e
China	557 493 000	555 695 000	600 694 000	619 764 000	611 051 000	1p
Colombia	4 419 000	4 906 000	4 893 000	5 104 123	4 823 870	1e
Czech Republic	5 045 920	4 764 270	4 567 610	4 410 720	3 755 820	1a
Germany	6 758 000	5 891 200	4 356 700	4 415 100	3 596 100	1e
India	51 660 000	51 582 000	56 818 000	57 446 000	60 887 000	1e

**Abbreviations:** see Explanation

Indonesia	3 258 000	4 237 000	2 244 000	1 022 000	2 728 000	1p
Iran	1 052 000	937 000	922 000	810 000	952 000	1p
Kazakhstan	12 416 000	12 956 000	12 968 000	17 906 000	16 030 000	1p
Mexico	2 043 000	2 166 046	2 216 314	2 229 899	1 778 725	1e
Mongolia	11 645 000	8 791 000	6 876 000	5 702 000	7 853 000	2p
Mozambique	275 000	2 991 794	3 556 776	3 784 603	4 786 612	1e
New Zealand	2 120 000	2 075 000	2 152 000	1 760 000	1 334 000	1p
Poland	11 435 600	11 738 000	12 116 000	12 288 000	12 915 000	1p
Russia, Asia	65 400 000	72 700 000	74 400 000	76 300 000	82 900 000	1e
South Africa	1 519 000	1 566 000	3 354 000	3 448 000	3 188 000	2p
Turkey	1 181 000	1 113 000	817 000	861 000	767 000	1p
Ukraine	19 809 000	20 879 000	19 663 000	12 022 000	5 775 000	1p
United Kingdom	383 000	386 000	179 000	99 000	72 000	1e
United States	81 656 000	81 300 000	77 857 000	72 717 000	57 368 000	1p
Zimbabwe	389 000	430 000	449 000	422 000	422 000	1p
Total	1 016 121 520	1 025 134 310	1 084 656 600	1 114 756 445	1 100 039 127	

## Lignite

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Albania	4 800	1 000	0	0	276 000	1e
Australia	66 730 000	66 730 000	73 000 000	60 700 000	65 350 000	1p
Bosnia-Herzegovina	13 348 646	12 311 623	10 343 680	11 750 901	12 172 292	1e
Brazil	2 136 000	3 170 000	3 645 000	3 422 000	3 560 000	1p
Bulgaria	36 800 000	33 340 700	28 631 300	31 435 100	33 773 000	1a
Canada	9 731 000	9 496 000	8 969 000	8 100 000	10 487 000	1e
Czech Republic	46 848 000	43 710 000	40 585 000	38 348 000	38 251 000	1a
Germany	176 502 000	185 432 000	182 995 000	178 155 000	178 065 000	1e
Greece	58 400 000	62 334 803	55 500 000	50 800 000	46 308 120	1a
Hungary	9 557 900	9 297 500	9 552 700	9 553 700	9 263 180	1e
India	42 332 000	46 453 000	44 271 000	48 270 000	43 843 000	1e
Kazakhstan	8 368 000	7 748 000	6 690 000	6 894 000	6 170 000	1e
Korea, North	4 684 000	4 488 000	3 342 000	3 741 000	3 975 000	1p
Kosovo	8 212 100	8 028 400	8 219 400	7 204 200	8 241 000	1e
Kyrgyzstan	722 000	1 011 000	1 157 000	1 505 000	1 641 000	1p
Laos	511 700	575 387	403 925	26 320	200 000	2n
Macedonia	7 902 084	7 309 546	6 633 560	6 469 819	5 927 749	1e
Mongolia	5 074 000	5 936 000	6 330 000	6 365 000	5 755 000	2p
Montenegro	1 972 671	1 785 999	1 692 535	1 655 045	1 734 769	1e
Myanmar	47 000	62 000	42 000	50 000	42 000	2p
New Zealand	320 100	325 900	290 400	316 692	324 086	1e
Poland	62 889 000	64 280 000	65 849 000	64 002 000	63 135 000	1a
Romania	35 512 000	33 949 000	24 732 000	23 565 000	25 492 000	1e
Russia, Asia	69 210 000	70 290 000	66 330 000	62 010 000	66 240 000	1e
Russia, Europe	7 690 000	7 810 000	7 370 000	6 890 000	7 360 000	1e
Serbia	40 286 000	37 930 437	39 513 474	29 204 294	37 029 091	1e
Slovakia	2 160 000	2 093 800	2 275 330	2 078 960	1 941 007	1e
Slovenia	4 502 078	4 281 326	3 721 188	3 108 203	3 168 001	1a
Spain	2 358 930	2 275 409	1 826 681	1 230 444	1 318 625	3a
Thailand	21 327 106	18 066 429	18 110 763	17 981 722	15 150 549	1e

**Abbreviations:** see Explanation

Turkey	72 550 000	72 481 467	63 816 100	61 500 000	50 444 000	1p
United States	73 574 000	71 602 000	70 061 000	72 110 000	64 930 100	1e
Uzbekistan	3 750 000	3 784 000	4 034 000	3 989 586	3 988 000	1e
Total	896 013 115	898 390 726	859 933 036	822 431 986	815 555 569	

## Natural Gas

C o u n t r y	2011 Mio m <sup>3</sup>	2012 Mio m <sup>3</sup>	2013 Mio m <sup>3</sup>	2014 Mio m <sup>3</sup>	2015 Mio m <sup>3</sup>	Rem
Afghanistan	161	160	155	142	146	1e
Albania	17	16	18	31	34	1e
Algeria	83 374	85 195	82 430	83 296	84 583	1e
Angola	730	740	910	720	650	1o
Argentina	38 780	37 730	35 530	35 440	36 490	1r
Australia	45 581	54 347	61 293	64 774	72 751	1e
Austria	1 591	1 729	1 359	1 245	1 183	1e
Azerbaijan	16 361	17 242	17 895	18 827	19 236	1e
Bahrain	12 650	12 420	13 640	14 770	14 710	1e
Bangladesh	20 074	21 056	22 670	23 223	25 264	1n
Barbados	20	23	21	21	20	1e
Belarus	222	218	228	222	225	1e
Bolivia	16 451	18 655	21 269	22 385	21 994	1a
Brazil	16 740	19 270	22 988	24 536	24 861	1e
Brunei	12 799	12 565	12 206	11 850	12 700	1r
Bulgaria	443	390	282	183	85	1a
Cameroon		0	150	310	360	1e
Canada	159 720	155 730	156 080	162 040	163 530	1r
Chile	1 440	1 207	893	907	1 044	1e
China	102 689	107 150	120 858	130 157	134 610	1e
Colombia	10 960	11 975	12 970	12 830	11 860	1e
Cote d'Ivoire	1 614	1 755	2 104	2 109	2 177	1e
Croatia	2 571	2 086	1 963	1 824	1 850	1e
Cuba	1 020	1 035	1 066	1 200	1 245	1e
Czech Republic	187	204	207	198	200	1a
Denmark	7 118	5 653	4 652	4 504	4 520	1e
Ecuador	241	517	515	578	497	1n
Egypt	61 450	60 880	56 070	48 790	45 580	1r
France	600	530	340	20	30	1e
Gabon	320	370	300	330	330	1o
Germany	12 873	11 706	10 678	10 060	9 323	1e
Greece	6	6	5	5	4	1a
Hungary	2 667	2 205	2 060	1 933	1 887	1a
India	47 559	40 679	35 407	33 657	31 114	1e
Indonesia	81 860	77 940	77 230	76 110	75 740	1e
Iran	159 860	166 160	166 780	182 050	192 460	1r
Iraq	880	650	1 180	900	1 030	1r
Ireland	210	200	160	140	120	1e
Israel	4 320	2 450	6 280	7 390	8 140	1o
Italy	8 339	8 605	7 735	7 149	6 771	1e
Japan	3 298	3 276	2 995	2 822	2 734	1e
Jordan	181	164	150	130	122	1e
Kazakhstan	39 531	40 299	42 405	43 438	45 713	1e
Kuwait	13 533	15 515	16 311	15 029	16 909	1e
Kyrgyzstan	27	29	25	32	28	1e
Libya	7 860	12 170	10 360	11 810	12 760	1r

**Abbreviations:** see Explanation

Malaysia	61 306	62 241	64 818	65 441	63 425	1e
Mexico	58 250	57 190	58 190	57 060	53 210	1r
Morocco	56	76	92	94	95	1e
Mozambique	3 492	3 896	4 350	4 710	5 050	1e
Myanmar	12 900	13 220	13 660	18 500	19 210	1e
Netherlands	76 380	75 970	81 479	68 621	51 237	1e
New Zealand	3 995	4 277	4 526	5 016	4 598	1e
Nigeria	40 580	43 290	36 170	45 050	52 700	1e
Norway	101 266	114 723	108 746	108 820	117 152	1e
Oman	28 595	29 606	30 294	28 934	32 801	1e
Pakistan	41 680	44 150	42 646	42 302	41 511	1a
Papua New Guinea	157	149	156	1 639	2 941	1e
Peru	11 360	11 859	12 192	12 924	12 495	1e
Philippines	3 975	3 810	3 510	3 691	3 470	1e
Poland	5 646	5 871	5 886	5 258	5 214	1a
Qatar	145 270	157 050	177 600	174 060	181 440	1r
Romania	10 901	10 935	10 854	11 056	11 092	1e
Russia, Asia	637 260	621 775	634 790	609 805	603 725	1e
Russia, Europe	33 540	32 725	33 410	32 095	31 775	1e
Saudi Arabia	92 260	99 330	100 030	102 380	104 450	1e
Serbia	462	484	468	467	432	1e
Slovakia	98	98	100	91	86	1e
Slovenia	2	2	3	3	3	1a
South Africa	1 348	1 167	824	1 061	1 312	1e
Spain	58	65	62	26	16	3a
Syria	7 610	6 230	5 120	4 740	4 360	1o
Taiwan	330	442	381	379	374	1e
Tajikistan	19	11	4	3	4	1e
Thailand	36 996	41 415	41 799	42 096	39 793	1e
Trinidad and Tobago	42 884	42 604	42 841	42 077	39 617	1e
Tunisia	3 002	2 825	2 859	2 611	2 529	1e
Turkey	793	664	562	502	399	1e
Turkmenistan	59 500	62 290	62 350	72 739	72 400	1r
Ukraine	19 900	19 800	21 300	20 100	19 800	1e
United Arab Emirates	52 310	54 310	54 600	54 240	55 760	1r
United Kingdom	47 730	41 050	38 430	38 730	41 280	1e
United States	648 510	680 550	685 430	733 120	766 240	1e
Uzbekistan	61 070	62 911	59 630	61 740	58 780	1p
Venezuela	27 600	29 480	28 450	28 640	32 420	1r
Vietnam	8 480	9 355	9 751	10 210	10 660	3e
Yemen	9 620	7 590	9 544	9 741	2 854	1p
Total	3 396 119	3 468 388	3 518 730	3 580 889	3 634 330	

## Oil Shales

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Austria	132	540	173	203	68	1e
Estonia	18 734 000	18 796 000	20 511 000	20 995 000	19 616 000	1e
France	5 000	2 000	2 000	2 000	2 000	2n
Germany	350 000	479 825	441 580	506 693	468 470	1e
Israel	416 000	423 000	0	0	0	1e
Total	19 505 132	19 701 365	20 954 753	21 503 896	20 086 538	

**Abbreviations:** see Explanation

## Petroleum

Country	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Albania	894 500	1 030 720	1 206 600	1 368 200	1 279 220	1e
Algeria	71 635 000	66 986 000	64 784 000	68 582 000	67 064 000	1e
Angola	83 795 000	86 878 000	87 308 100	83 022 700	88 701 200	1r
Argentina	30 911 100	30 757 200	29 766 300	29 337 000	29 353 100	1e
Australia	23 612 900	23 257 920	19 572 500	20 989 200	18 482 800	1e
Austria	919 437	917 349	917 148	944 831	905 931	1e
Azerbaijan	45 626 000	43 375 000	43 457 000	42 076 000	41 628 300	1e
Bahrain	2 116 400	2 261 000	2 384 100	2 428 600	2 518 200	1e
Bangladesh	283 780	250 000	264 600	321 000	417 400	1n
Barbados	39 930	37 140	34 710	31 960	34 030	1e
Belarus	1 681 000	1 660 000	1 645 000	1 645 000	1 645 000	1e
Bolivia	2 485 400	2 555 700	2 940 200	2 543 100	2 443 200	1a
Brazil	114 062 500	112 063 500	109 811 300	122 109 000	131 802 000	1r
Brunei	8 112 000	7 817 500	6 606 500	6 181 400	6 203 500	1r
Bulgaria	22 000	22 900	26 900	26 200	23 700	1a
Cameroon	3 147 900	3 052 100	3 311 200	3 751 100	4 770 500	1e
Canada	151 495 300	162 463 500	174 123 000	188 040 000	193 153 200	1e
Chad	5 971 220	5 478 000	4 830 600	4 980 000	5 976 000	1e
Chile	249 188	324 401	361 290	357 540	257 100	1e
China	202 875 500	207 478 000	209 919 000	211 429 000	214 555 800	1e
Colombia	45 571 240	47 126 200	49 895 120	49 308 600	50 058 800	1e
Congo, D.R.	1 167 300	1 165 600	1 139 120	1 140 580	1 124 940	1e
Congo, Rep.	14 868 000	13 444 200	12 057 800	12 483 600	12 139 600	1e
Cote d'Ivoire	1 690 100	1 469 100	1 246 700	941 400	1 464 300	1e
Croatia	627 800	593 400	573 100	575 960	657 550	1e
Cuba	3 011 700	2 998 900	2 897 100	2 905 300	2 800 000	2n
Czech Republic	163 000	150 000	152 000	147 000	126 000	1a
Denmark	10 960 255	10 000 220	8 697 319	8 131 039	7 689 812	1e
Ecuador	24 873 000	25 141 000	26 205 000	27 699 000	27 038 000	1e
Egypt	34 600 000	34 730 000	34 361 000	35 140 200	35 624 900	1r
Equatorial Guinea	12 550 000	13 546 000	13 297 000	13 994 000	14 392 000	1o
France	895 000	806 500	793 000	766 000	835 000	1e
Gabon	12 683 000	12 275 000	11 782 900	11 797 500	11 628 500	1r
Georgia	50 033	51 100	51 017	50 000	50 000	2n
Germany	2 677 136	2 621 352	2 638 379	2 429 789	2 412 643	1e
Ghana	3 404 800	4 133 800	5 266 500	5 328 400	5 558 600	1e
Greece	92 139	90 230	83 121	70 139	72 649	1a
Guatemala	545 000	528 700	497 200	500 400	499 800	1e
Hungary	668 498	649 706	610 000	594 000	633 072	1a
India	38 090 000	37 862 000	37 778 000	37 461 000	36 951 000	1e
Indonesia	44 911 700	42 920 400	41 033 200	39 269 800	39 121 400	1e
Iran	212 703 600	180 452 700	169 617 800	174 684 700	182 577 310	1r
Iraq	136 677 600	152 498 300	153 241 900	160 278 000	197 019 700	1r
Israel	4 638	4 360	64 000	64 000	64 000	2p
Italy	5 286 042	5 397 000	5 502 000	5 765 000	5 470 000	1e
Japan	749 100	714 700	618 500	579 700	536 700	1e
Jordan	1 300	1 100	1 100	800	500	1e
Kazakhstan	80 060 900	79 224 500	81 786 700	80 825 600	79 452 900	1e
Kuwait	132 403 300	148 284 500	145 650 100	142 766 600	142 363 300	1e
Kyrgyzstan	77 100	77 100	77 000	74 050	96 400	1e
Libya	22 492 300	71 069 800	46 444 900	23 332 000	20 204 600	1r
Lithuania	113 895	101 644	86 030	81 920	73 100	1a
Malaysia	27 999 000	28 777 000	28 249 000	30 023 000	32 580 100	1e

Abbreviations: see Explanation

Mauritania	385 200	329 300	334 800	296 000	263 700	1e
Mexico	144 610 830	143 906 670	141 893 180	137 140 590	127 576 930	1r
Mongolia	347 700	496 000	699 600	1 010 100	1 183 000	1a
Morocco	9 620	7 000	6 000	5 200	4 998	1e
Mozambique	54 340	55 700	56 810	40 690	63 720	1e
Myanmar	903 400	858 500	847 600	810 500	663 100	1e
Netherlands	1 522 000	1 513 900	1 558 700	1 943 700	1 844 700	1e
New Zealand	2 124 800	1 866 600	1 605 500	1 788 300	1 869 700	1e
Niger	92 800	633 200	886 300	853 400	744 600	1e
Nigeria	118 156 000	116 319 000	109 187 000	108 921 000	105 500 000	1e
Norway	91 886 400	84 378 600	80 045 100	81 588 600	84 089 700	1e
Oman	44 056 600	45 857 700	46 894 300	46 972 000	48 844 500	1e
Pakistan	3 163 100	3 233 300	3 663 100	4 155 885	4 538 165	1a
Papua New Guinea	1 503 537	1 430 600	1 490 500	2 395 600	2 951 500	1e
Peru	7 603 100	7 637 200	8 339 900	8 599 600	7 438 300	1e
Philippines	1 023 000	929 000	814 000	988 200	1 093 000	1p
Poland	601 990	680 000	962 000	918 750	898 870	1a
Qatar	78 012 500	82 206 000	80 189 700	79 575 500	79 279 400	1r
Romania	4 222 000	3 982 000	4 131 000	4 052 000	4 003 000	1e
Russia, Asia	338 177 400	341 946 000	345 378 000	347 589 000	352 143 860	1e
Russia, Europe	174 212 600	176 154 000	177 922 000	179 061 000	181 407 440	1e
Saudi Arabia	525 950 000	549 834 000	538 426 000	543 441 000	568 493 000	1r
Senegal	54 500	7 700	15 800	30 100	22 900	1e
Serbia	1 020 490	1 124 794	1 234 000	1 310 000	1 050 000	1e
Slovakia	18 110	15 200	13 310	11 740	11 000	2n
Slovenia	394	339	412	461	359	1e
South Africa	183 024	136 081	80 154	88 803	70 978	1e
South Sudan		1 533 200	4 912 400	7 652 300	7 277 200	1r
Spain	99 925	143 526	367 568	305 253	229 568	3a
Sudan	15 572 600	5 101 400	6 151 600	3 951 500	4 015 600	1e
Suriname	817 000	810 200	815 700	836 100	842 950	1e
Syria	17 577 800	8 522 900	2 956 900	1 644 100	1 344 500	1r
Taiwan	9 700	9 800	9 000	7 800	7 900	1e
Tajikistan	28 300	29 949	27 000	24 508	24 630	1e
Thailand	11 158 431	11 912 281	11 980 493	11 592 740	12 347 720	1e
Trinidad and Tobago	4 577 566	4 070 403	4 039 477	4 046 848	3 917 069	1e
Tunisia	3 203 000	3 314 000	3 149 000	2 813 000	2 438 000	1e
Turkey	2 400 000	2 300 000	2 398 454	2 455 893	2 515 662	1e
Turkmenistan	10 795 740	11 198 570	11 384 500	11 588 800	12 723 740	1r
Ukraine	3 300 000	3 400 000	3 100 000	2 762 000	2 533 000	1e
United Arab Emirates	151 283 200	154 791 300	165 481 700	166 633 200	175 456 400	1r
United Kingdom	51 972 400	44 560 800	41 100 800	40 327 750	45 698 100	1e
United States	344 972 150	393 683 400	448 030 700	522 814 100	567 249 700	1r
Uzbekistan	3 600 000	3 165 000	3 146 000	2 961 000	2 760 000	1p
Venezuela	141 559 200	139 176 490	137 638 350	138 164 680	135 194 160	1r
Vietnam	15 185 000	16 739 000	16 705 000	17 392 000	18 746 000	3e
Yemen	10 371 700	8 357 500	9 387 600	7 354 000	2 543 000	1p
Total	3 950 983 678	4 055 930 145	4 065 120 662	4 158 288 199	4 296 446 676	

**Abbreviations:** see Explanation

## Oil Sands (part of petroleum)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Canada	80 590 200	88 880 300	96 621 200	107 716 400	118 181 800	1e
Venezuela	28 112 000	30 738 000	29 880 000	30 100 000	29 980 000	1e
Total	108 702 200	119 618 300	126 501 200	137 816 400	148 161 800	

## Uranium (U<sub>3</sub>O<sub>8</sub>)

C o u n t r y	2011 metr. t	2012 metr. t	2013 metr. t	2014 metr. t	2015 metr. t	Rem
Australia	7 029	8 280	7 512	6 457	6 668	1e
Brazil	312	384	226	65	47	1d
Canada	10 632	11 226	11 003	11 533	15 659	1e
China	1 044	1 769	1 769	1 769	1 906	1d
Czech Republic	297	262	274	195	158	1a
France	7	4	0	4	2	1d
Germany	60	59	32	39	0	1e
India	472	454	472	454	454	2d
Kazakhstan	22 937	25 137	26 533	26 920	28 072	1e
Malawi	998	1 298	1 335	435	0	1e
Namibia	3 831	5 005	4 878	3 839	3 473	1e
Niger	4 905	5 685	4 994	4 901	4 852	1e
Pakistan	53	53	48	53	53	1d
Romania	91	106	94	91	91	2d
Russia, Asia	3 529	3 387	3 697	3 526	3 602	1n
South Africa	656	551	626	668	528	1e
Ukraine	1 049	1 132	1 087	1 092	1 415	1d
United States	1 812	1 882	2 164	2 263	1 481	1d
Uzbekistan	3 538	3 538	3 909	4 010	4 100	1e
Total	63 252	70 212	70 653	68 314	72 561	

**Abbreviations:** see Explanation

## 6.5 Share of World Mineral Production 2015, by Countries

### 6.5.1 Iron and Ferro-Alloy Metals

#### Iron (Fe-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Australia	505 205 668	32.12	32.12	1 031.52
2	( 2)	China	371 250 000	23.60	55.72	557.02
3	( 3)	Brazil	275 589 840	17.52	73.24	306.95
4	( 4)	India	101 341 500	6.44	79.68	41.51
5	( 5)	South Africa	47 323 600	3.01	82.69	9.05
6	( 6)	Russia, Europe	46 106 500	2.93	85.62	8.59
7	( 7)	Ukraine	42 816 000	2.72	88.34	7.41
8	( 8)	United States	29 043 000	1.85	90.19	3.41
9	( 9)	Canada	25 975 400	1.65	91.84	2.73
10	(10)	Iran	25 797 898	1.64	93.48	2.69
11	(11)	Sweden	15 886 720	1.01	94.49	1.02
12	(12)	Kazakhstan	12 911 210	0.82	95.31	0.67
13	(15)	Russia, Asia	9 443 500	0.60	95.91	0.36
14	(16)	Chile	9 147 839	0.58	96.49	0.34
15	(14)	Mexico	8 077 160	0.51	97.01	0.26
16	(19)	Venezuela	7 615 100	0.48	97.49	0.23
17	(17)	Mauritania	7 544 600	0.48	97.97	0.23
18	(18)	Turkey	5 199 800	0.33	98.30	0.11
19	(22)	Peru	4 978 150	0.32	98.62	0.10
20	(20)	Mongolia	3 704 040	0.24	98.85	0.06
21	(25)	Norway	2 252 200	0.14	99.00	0.02
22	(23)	Indonesia	2 111 200	0.13	99.13	0.02
23	(24)	Liberia	1 921 400	0.12	99.25	0.01
24	(26)	New Zealand	1 852 360	0.12	99.37	0.01
25	(13)	Sierra Leone	1 521 830	0.10	99.47	0.01
26	(27)	Vietnam	1 342 800	0.09	99.55	0.01
27	(28)	Bosnia-Herzegovina	1 082 630	0.07	99.62	0.00
28	(21)	Malaysia	1 015 450	0.06	99.69	0.00
29	(30)	Austria	890 665	0.06	99.74	0.00
30	(32)	Egypt	763 700	0.05	99.79	0.00
31	(31)	Laos	660 000	0.04	99.83	0.00
32	(29)	Korea, North	579 300	0.04	99.87	0.00
33	(35)	Colombia	405 780	0.03	99.90	0.00
34	(33)	Algeria	378 000	0.02	99.92	0.00
35	(34)	Korea, South	267 190	0.02	99.94	0.00
36	(37)	Saudi Arabia	254 900	0.02	99.95	0.00
37	(38)	Argentina	206 060	0.01	99.97	0.00
38	(40)	Tunisia	153 700	0.01	99.98	0.00
39	(42)	Pakistan	124 910	0.01	99.98	0.00
40	(41)	Philippines	64 300	0.00	99.99	0.00
41	(44)	Azerbaijan	53 590	0.00	99.99	0.00
42	(43)	Germany	52 100	0.00	99.99	0.00
43	(49)	Bhutan	27 650	0.00	100.00	0.00
44	(46)	Nigeria	20 000	0.00	100.00	0.00
45	(48)	Uruguay	11 520	0.00	100.00	0.00
46	(39)	Thailand	10 220	0.00	100.00	0.00
47	(50)	Morocco	8 500	0.00	100.00	0.00

Abbreviations: see Explanation

48	(51)	Guatemala	7 310	0.00	100.00	0.00
49	(45)	Uganda	5 400	0.00	100.00	0.00
Total			1 573 002 190	100.00		HHI 1 974

### Chromium (Cr<sub>2</sub>O<sub>3</sub> - Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	South Africa	6 888 490	51.01	51.01	2 602.38
2	( 2)	Kazakhstan	1 992 400	14.75	65.77	217.71
3	( 3)	Turkey	1 464 330	10.84	76.61	117.60
4	( 4)	India	1 331 200	9.86	86.47	97.19
5	( 5)	Finland	457 100	3.39	89.86	11.46
6	( 8)	Brazil	265 200	1.96	91.82	3.86
7	( 9)	Russia, Europe	216 000	1.60	93.42	2.56
8	( 6)	Albania	184 700	1.37	94.79	1.87
9	( 7)	Oman	177 280	1.31	96.10	1.72
10	(11)	Iran	142 810	1.06	97.16	1.12
11	(13)	Madagascar	98 000	0.73	97.88	0.53
12	(10)	Zimbabwe	93 750	0.69	98.58	0.48
13	(12)	China	90 000	0.67	99.24	0.44
14	(14)	Papua New Guinea	45 000	0.33	99.58	0.11
15	(15)	Pakistan	40 700	0.30	99.88	0.09
16	(16)	Sudan	7 590	0.06	99.94	0.00
17	(17)	Philippines	6 200	0.05	99.98	0.00
18	(19)	Afghanistan	2 500	0.02	100.00	0.00
Total			13 503 250	100.00		HHI 3 059

### Cobalt

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Congo, D.R.	84 400	59.98	59.98	3 597.63
2	( 2)	China	8 500	6.04	66.02	36.49
3	( 3)	Canada	6 904	4.91	70.93	24.07
4	( 4)	Australia	6 030	4.29	75.21	18.36
5	( 7)	New Caledonia	4 500	3.20	78.41	10.23
6	( 6)	Philippines	4 140	2.94	81.35	8.66
7	( 9)	Madagascar	3 920	2.79	84.14	7.76
8	( 8)	Brazil	3 800	2.70	86.84	7.29
9	(10)	Cuba	3 734	2.65	89.49	7.04
10	( 5)	Zambia	2 979	2.12	91.61	4.48
11	(11)	Papua New Guinea	2 505	1.78	93.39	3.17
12	(12)	Finland	2 119	1.51	94.90	2.27
13	(14)	Morocco	1 722	1.22	96.12	1.50
14	(13)	Russia, Asia	1 632	1.16	97.28	1.35
15	(15)	South Africa	1 362	0.97	98.25	0.94
16	(21)	United States	760	0.54	98.79	0.29
17	(16)	Russia, Europe	408	0.29	99.08	0.08

**Abbreviations:** see Explanation

18	(17)	Zimbabwe	355	0.25	99.33	0.06
19	(18)	Indonesia	350	0.25	99.58	0.06
20	(20)	Botswana	316	0.22	99.80	0.05
21	(19)	Vietnam	277	0.20	100.00	0.04
Total			140 713	100.00		HHI 3 732

## Manganese

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	South Africa	7 019 060	38.57	38.57	1 487.90
2	( 2)	China	2 484 000	13.65	52.22	186.35
3	( 3)	Australia	2 452 118	13.48	65.70	181.59
4	( 4)	Gabon	1 973 000	10.84	76.54	117.56
5	( 5)	Brazil	1 226 458	6.74	83.28	45.43
6	( 6)	India	722 610	3.97	87.25	15.77
7	( 7)	Ukraine	546 600	3.00	90.26	9.02
8	( 9)	Ghana	451 020	2.48	92.74	6.14
9	( 8)	Kazakhstan	332 100	1.83	94.56	3.33
10	(10)	Malaysia	247 340	1.36	95.92	1.85
11	(11)	Mexico	217 466	1.20	97.12	1.43
12	(12)	Cote d'Ivoire	118 430	0.65	97.77	0.42
13	(15)	Iran	69 760	0.38	98.15	0.15
14	(14)	Georgia	66 000	0.36	98.51	0.13
15	(17)	Vietnam	50 000	0.27	98.79	0.08
16	(18)	Morocco	47 500	0.26	99.05	0.07
17	(16)	Turkey	30 500	0.17	99.22	0.03
18	(13)	Myanmar	28 000	0.15	99.37	0.02
19	(29)	Indonesia	27 600	0.15	99.52	0.02
20	(23)	Hungary	15 330	0.08	99.61	0.01
21	(20)	Bulgaria	13 470	0.07	99.68	0.01
22	(26)	Sudan	12 560	0.07	99.75	0.00
23	(24)	Egypt	12 000	0.07	99.81	0.00
24	(19)	Namibia	10 110	0.06	99.87	0.00
25	(21)	Zambia	5 000	0.03	99.90	0.00
26	(27)	Thailand	4 320	0.02	99.92	0.00
27	(28)	Romania	4 200	0.02	99.94	0.00
28	(25)	Oman	3 950	0.02	99.97	0.00
29	(22)	Bosnia-Herzegovina	3 200	0.02	99.98	0.00
30	(30)	Senegal	3 000	0.02	100.00	0.00
Total			18 196 702	100.00		HHI 2 057

**Abbreviations:** see Explanation

## Molybdenum

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	112 800	42.68	42.68	1 821.24
2	( 3)	Chile	52 579	19.89	62.57	395.71
3	( 2)	United States	47 400	17.93	80.50	321.59
4	( 4)	Peru	20 153	7.62	88.13	58.13
5	( 5)	Mexico	11 327	4.29	92.41	18.36
6	( 7)	Armenia	5 131	1.94	94.35	3.77
7	( 8)	Iran	3 337	1.26	95.62	1.59
8	( 9)	Russia, Asia	3 110	1.18	96.79	1.38
9	(10)	Mongolia	2 557	0.97	97.76	0.94
10	( 6)	Canada	2 330	0.88	98.64	0.78
11	(**)	Turkey	1 335	0.51	99.15	0.26
12	(11)	Argentina	869	0.33	99.47	0.11
13	(13)	Uzbekistan	570	0.22	99.69	0.05
14	(**)	Kazakhstan	430	0.16	99.85	0.03
15	(12)	Korea, South	258	0.10	99.95	0.01
16	(14)	Russia, Europe	130	0.05	100.00	0.00
17	(16)	Norway	1	0.00	100.00	0.00
Total			264 317	100.00		HHI 2 624

## Nickel

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Philippines	464 517	22.03	22.03	485.29
2	( 3)	Canada	234 936	11.14	33.17	124.14
3	( 2)	Australia	225 227	10.68	43.85	114.09
4	( 5)	New Caledonia	186 065	8.82	52.68	77.86
5	( 6)	Russia, Asia	135 720	6.44	59.11	41.43
6	( 4)	Indonesia	129 600	6.15	65.26	37.78
7	( 7)	Russia, Europe	125 280	5.94	71.20	35.30
8	( 8)	China	100 000	4.74	75.94	22.49
9	( 9)	Brazil	89 302	4.24	80.18	17.94
10	(11)	South Africa	56 689	2.69	82.87	7.23
11	(12)	Cuba	52 700	2.50	85.37	6.25
12	(14)	Madagascar	45 075	2.14	87.50	4.57
13	(10)	Guatemala	38 500	1.83	89.33	3.33
14	(13)	Colombia	36 671	1.74	91.07	3.02
15	(25)	United States	27 200	1.29	92.36	1.66
16	(16)	Myanmar	26 400	1.25	93.61	1.57
17	(17)	Papua New Guinea	25 582	1.21	94.82	1.47
18	(15)	Greece	23 400	1.11	95.93	1.23
19	(20)	Botswana	16 789	0.80	96.73	0.63
20	(19)	Zimbabwe	16 109	0.76	97.49	0.58
21	(18)	Finland	9 383	0.44	97.94	0.20
22	(27)	Turkey	8 640	0.41	98.35	0.17
23	(22)	Vietnam	8 607	0.41	98.76	0.17
24	(23)	Kosovo	7 900	0.37	99.13	0.14

**Abbreviations:** see Explanation

25	(21)	Spain	7 208	0.34	99.47	0.12
26	(24)	Albania	6 280	0.30	99.77	0.09
27	(26)	Venezuela	3 707	0.18	99.95	0.03
28	(28)	Poland	840	0.04	99.99	0.00
29	(29)	Norway	300	0.01	100.00	0.00
Total			2 108 627	100.00		HHI 989

### Niobium (Nb<sub>2</sub>O<sub>5</sub>-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Brazil	84 189	92.29	92.29	8 517.11
2	( 2)	Canada	5 385	5.90	98.19	34.85
3	( 4)	Congo, D.R.	694	0.76	98.95	0.58
4	( 3)	Russia, Europe	628	0.69	99.64	0.47
5	( 5)	Rwanda	248	0.27	99.91	0.07
6	( 6)	Nigeria	22	0.02	99.94	0.00
7	( 7)	Ethiopia	20	0.02	99.96	0.00
8	( 9)	China	20	0.02	99.98	0.00
9	( 8)	Burundi	13	0.01	99.99	0.00
10	(10)	Mozambique	5	0.01	100.00	0.00
Total			91 224	100.00		HHI 8 553

### Tantalum (Ta<sub>2</sub>O<sub>5</sub>-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 2)	Congo, D.R.	736	47.45	47.45	2 251.81
2	( 1)	Rwanda	380	24.50	71.95	600.27
3	( 3)	Brazil	120	7.74	79.69	59.86
4	( 4)	Ethiopia	75	4.84	84.53	23.38
5	( 6)	China	60	3.87	88.39	14.97
6	( 5)	Nigeria	55	3.55	91.94	12.57
7	( 8)	Russia, Europe	32	2.06	94.00	4.26
8	( 7)	Mozambique	28	1.81	95.81	3.26
9	(19)	Malaysia	25	1.61	97.42	2.60
10	(**)	Australia	20	1.29	98.71	1.66
11	( 9)	Burundi	19	1.23	99.94	1.50
12	(11)	Bolivia	1	0.06	100.00	0.00
Total			1 551	100.00		HHI 2 976

**Abbreviations:** see Explanation

## Titanium (TiO<sub>2</sub>-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	South Africa	1 150 000	16.41	16.41	269.32
2	( 2)	China	1 067 200	15.23	31.64	231.93
3	( 3)	Australia	1 053 300	15.03	46.67	225.93
4	( 4)	Canada	750 000	10.70	57.37	114.55
5	( 6)	India	461 100	6.58	63.95	43.30
6	( 5)	Mozambique	425 600	6.07	70.03	36.89
7	( 7)	Ukraine	344 260	4.91	74.94	24.13
8	(10)	Kenya	319 750	4.56	79.50	20.82
9	( 8)	Norway	277 340	3.96	83.46	15.66
10	(16)	Senegal	240 270	3.43	86.89	11.76
11	(12)	Russia, Europe	190 000	2.71	89.60	7.35
12	( 9)	Vietnam	146 740	2.09	91.70	4.38
13	(15)	Sierra Leone	140 420	2.00	93.70	4.02
14	(13)	United States	140 000	2.00	95.70	3.99
15	(14)	Korea, South	112 250	1.60	97.30	2.57
16	(11)	Madagascar	102 700	1.47	98.76	2.15
17	(17)	Brazil	47 000	0.67	99.44	0.45
18	(18)	Sri Lanka	23 410	0.33	99.77	0.11
19	(19)	Kazakhstan	12 770	0.18	99.95	0.03
20	(20)	Malaysia	3 400	0.05	100.00	0.00
Total			7 007 510	100.00		HHI 1 019

## Tungsten (W-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	72 200	81.35	81.35	6 617.87
2	( 2)	Vietnam	4 063	4.58	85.93	20.96
3	( 3)	Russia, Asia	2 805	3.16	89.09	9.99
4	( 4)	Canada	1 815	2.05	91.13	4.18
5	( 6)	Bolivia	1 461	1.65	92.78	2.71
6	( 5)	Rwanda	1 060	1.19	93.97	1.43
7	( 9)	Mongolia	877	0.99	94.96	0.98
8	( 8)	Austria	861	0.97	95.93	0.94
9	( 7)	Spain	835	0.94	96.87	0.89
10	(12)	Brazil	500	0.56	97.44	0.32
11	(11)	Russia, Europe	495	0.56	97.99	0.31
12	(10)	Portugal	474	0.53	98.53	0.29
13	(13)	Australia	348	0.39	98.92	0.15
14	(14)	Myanmar	250	0.28	99.20	0.08
15	(**)	United Kingdom	195	0.22	99.42	0.05
16	(19)	Peru	110	0.12	99.55	0.02
17	(16)	Uzbekistan	110	0.12	99.67	0.02
18	(**)	Kyrgyzstan	80	0.09	99.76	0.01
19	(17)	Korea, North	72	0.08	99.84	0.01
20	(21)	Congo, D.R.	55	0.06	99.90	0.00
21	(18)	Uganda	36	0.04	99.94	0.00

**Abbreviations:** see Explanation

22	(15)	Thailand	31	0.03	99.98	0.00
23	(20)	Burundi	11	0.01	99.99	0.00
24	(22)	Korea, South	8	0.01	100.00	0.00
Total			88 752	100.00		HHI 6 661

### Vanadium (V<sub>2</sub>O<sub>5</sub>-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	42 000	50.73	50.73	2 573.36
2	( 2)	South Africa	17 788	21.48	72.21	461.59
3	( 3)	Russia, Europe	16 196	19.56	91.77	382.66
4	( 4)	Brazil	5 810	7.02	98.79	49.24
5	( 5)	Kazakhstan	1 000	1.21	100.00	1.46
Total			82 794	100.00		HHI 3 468

## 6.5.2 Non-Ferrous Metals

### Aluminium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	31 410 000	54.28	54.28	2 946.05
2	( 2)	Russia, Asia	3 451 000	5.96	60.24	35.56
3	( 3)	Canada	2 880 035	4.98	65.22	24.77
4	( 4)	United Arab Emirates	2 397 000	4.14	69.36	17.16
5	( 5)	India	2 354 949	4.07	73.43	16.56
6	( 7)	Australia	1 645 963	2.84	76.27	8.09
7	( 6)	United States	1 586 518	2.74	79.02	7.52
8	( 8)	Norway	1 227 787	2.12	81.14	4.50
9	(10)	Bahrain	960 643	1.66	82.80	2.76
10	(11)	Iceland	865 016	1.49	84.29	2.23
11	(13)	Saudi Arabia	839 000	1.45	85.74	2.10
12	( 9)	Brazil	772 200	1.33	87.08	1.78
13	(12)	South Africa	695 000	1.20	88.28	1.44
14	(14)	Qatar	610 000	1.05	89.33	1.11
15	(15)	Mozambique	558 390	0.96	90.30	0.93
16	(16)	Germany	541 400	0.94	91.23	0.88
17	(18)	Malaysia	440 000	0.76	91.99	0.58
18	(17)	Argentina	428 206	0.74	92.73	0.55
19	(19)	France	415 000	0.72	93.45	0.51
20	(20)	Oman	377 186	0.65	94.10	0.42
21	(26)	Spain	360 000	0.62	94.72	0.39
22	(23)	Iran	353 000	0.61	95.33	0.37
23	(21)	New Zealand	335 292	0.58	95.91	0.34
24	(22)	Egypt	292 200	0.50	96.42	0.25
25	(25)	Romania	271 356	0.47	96.89	0.22
26	(24)	Indonesia	257 100	0.44	97.33	0.20
27	(27)	Kazakhstan	219 000	0.38	97.71	0.14

**Abbreviations:** see Explanation

28	(28)	Greece	179 420	0.31	98.02	0.10
29	(29)	Slovakia	171 328	0.30	98.31	0.09
30	(32)	Tajikistan	139 123	0.24	98.56	0.06
31	(30)	Venezuela	119 511	0.21	98.76	0.04
32	(31)	Bosnia-Herzegovina	118 253	0.20	98.97	0.04
33	(33)	Sweden	116 000	0.20	99.17	0.04
34	(35)	Slovenia	83 775	0.14	99.31	0.02
35	(36)	Russia, Europe	78 000	0.13	99.45	0.02
36	(34)	Cameroon	65 000	0.11	99.56	0.01
37	(37)	Azerbaijan	58 200	0.10	99.66	0.01
38	(39)	United Kingdom	47 000	0.08	99.74	0.01
39	(41)	Turkey	45 900	0.08	99.82	0.01
40	(38)	Montenegro	42 499	0.07	99.89	0.01
41	(40)	Ghana	33 800	0.06	99.95	0.00
42	(42)	Netherlands	28 200	0.05	100.00	0.00
Total			57 869 250	100.00		HHI 3 078

### Antimony

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	111 400	68.24	68.24	4 656.20
2	( 2)	Tajikistan	26 960	16.51	84.75	272.71
3	( 3)	Russia, Asia	7 420	4.55	89.30	20.66
4	( 4)	Bolivia	3 843	2.35	91.65	5.54
5	( 5)	Australia	3 712	2.27	93.92	5.17
6	( 6)	Myanmar	3 000	1.84	95.76	3.38
7	( 7)	Turkey	1 950	1.19	96.96	1.43
8	( 8)	Kyrgyzstan	1 200	0.74	97.69	0.54
9	(19)	Vietnam	996	0.61	98.30	0.37
10	(11)	Kazakhstan	979	0.60	98.90	0.36
11	(15)	Laos	700	0.43	99.33	0.18
12	(17)	Mexico	501	0.31	99.64	0.09
13	(18)	Peru	250	0.15	99.79	0.02
14	(16)	Iran	216	0.13	99.92	0.02
15	(12)	Pakistan	114	0.07	99.99	0.00
16	(19)	Honduras	14	0.01	100.00	0.00
17	(20)	Canada	1	0.00	100.00	0.00
Total			163 256	100.00		HHI 4 967

### Arsenic

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	25 000	68.13	68.13	4 642.09
2	( 2)	Morocco	7 000	19.08	87.21	363.94
3	( 3)	Namibia	2 000	5.45	92.66	29.71
4	( 4)	Russia, Asia	1 500	4.09	96.75	16.71
5	( 5)	Belgium	1 000	2.73	99.47	7.43

**Abbreviations:** see Explanation

6	( 6)	Iran	110	0.30	99.77	0.09
7	( 8)	Japan	45	0.12	99.90	0.02
8	( 7)	Bolivia	38	0.10	100.00	0.01
Total			36 693	100.00		HHI 5 060

### Bauxite (crude ore)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Australia	80 909 703	27.88	27.88	777.10
2	( 2)	China	65 000 000	22.40	50.27	501.54
3	( 3)	Brazil	37 057 000	12.77	63.04	163.01
4	( 4)	India	28 133 516	9.69	72.73	93.96
5	( 9)	Malaysia	21 000 000	7.24	79.97	52.35
6	( 5)	Guinea	20 163 774	6.95	86.91	48.26
7	( 6)	Jamaica	9 628 818	3.32	90.23	11.01
8	( 7)	Russia, Europe	5 800 000	2.00	92.23	3.99
9	( 8)	Kazakhstan	4 683 000	1.61	93.84	2.60
10	(13)	Saudi Arabia	2 174 000	0.75	94.59	0.56
11	(10)	Suriname	1 865 100	0.64	95.24	0.41
12	(14)	Greece	1 831 660	0.63	95.87	0.40
13	(15)	Dominican Republic	1 724 162	0.59	96.46	0.35
14	(16)	Guyana	1 526 713	0.53	96.99	0.28
15	(17)	Sierra Leone	1 435 195	0.49	97.48	0.24
16	(20)	Ghana	1 313 897	0.45	97.93	0.20
17	(19)	Vietnam	1 200 000	0.41	98.35	0.17
18	(18)	Turkey	1 050 000	0.36	98.71	0.13
19	(12)	Venezuela	991 810	0.34	99.05	0.12
20	(21)	Bosnia-Herzegovina	787 409	0.27	99.32	0.07
21	(22)	Iran	773 700	0.27	99.59	0.07
22	(11)	Indonesia	471 867	0.16	99.75	0.03
23	(32)	Solomon Islands	278 400	0.10	99.85	0.01
24	(23)	Fiji	172 336	0.06	99.91	0.00
25	(25)	United States	100 000	0.03	99.94	0.00
26	(26)	France	70 000	0.02	99.97	0.00
27	(24)	Montenegro	50 369	0.02	99.98	0.00
28	(27)	Pakistan	24 689	0.01	99.99	0.00
29	(30)	Croatia	11 897	0.00	100.00	0.00
30	(29)	Hungary	8 300	0.00	100.00	0.00
31	(31)	Mozambique	4 985	0.00	100.00	0.00
32	(28)	Tanzania	1 050	0.00	100.00	0.00
Total			290 243 350	100.00		HHI 1 657

### Bismuth

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	7 500	62.81	62.81	3 945.61
2	( 2)	Vietnam	3 000	25.13	87.94	631.30
3	( 4)	Japan	773	6.47	94.41	41.91
4	( 3)	Mexico	601	5.03	99.45	25.34

**Abbreviations:** see Explanation

5	( 6)	Russia, Asia	40	0.34	99.78	0.11
6	( 7)	Bolivia	20	0.17	99.95	0.03
7	(10)	Uzbekistan	2	0.02	99.97	0.00
8	( 9)	Armenia	2	0.02	99.98	0.00
9	( 8)	Canada	2	0.02	100.00	0.00

Total		11 940	100.00		HHI 4 644
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## Cadmium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	8 200	35.91	35.91	1 289.51
2	( 2)	Korea, South	3 620	15.85	51.76	251.31
3	( 3)	Japan	1 959	8.58	60.34	73.60
4	( 4)	Kazakhstan	1 459	6.39	66.73	40.82
5	( 5)	Mexico	1 283	5.62	72.35	31.57
6	( 6)	Canada	1 159	5.08	77.43	25.76
7	( 7)	Russia, Asia	1 000	4.38	81.80	19.18
8	( 8)	Peru	757	3.32	85.12	10.99
9	(10)	Netherlands	620	2.72	87.83	7.37
10	(12)	United States	500	2.19	90.02	4.79
11	( 9)	Poland	383	1.68	91.70	2.81
12	(14)	Australia	380	1.66	93.37	2.77
13	(11)	Germany	370	1.62	94.99	2.63
14	(13)	Bulgaria	356	1.56	96.54	2.43
15	(15)	Norway	310	1.36	97.90	1.84
16	(16)	Brazil	200	0.88	98.78	0.77
17	(17)	Korea, North	200	0.88	99.65	0.77
18	(19)	Armenia	40	0.18	99.83	0.03
19	(20)	Argentina	39	0.17	100.00	0.03
Total			22 835	100.00		HHI 1 769

## Copper

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Chile	5 764 000	29.76	29.76	885.67
2	( 2)	China	1 706 400	8.81	38.57	77.62
3	( 4)	Peru	1 700 814	8.78	47.35	77.11
4	( 3)	United States	1 380 000	7.13	54.48	50.77
5	( 5)	Congo, D.R.	1 069 039	5.52	60.00	30.47
6	( 6)	Australia	963 602	4.98	64.97	24.75
7	( 7)	Zambia	711 515	3.67	68.65	13.50
8	( 8)	Canada	697 238	3.60	72.25	12.96
9	(10)	Mexico	594 451	3.07	75.31	9.42
10	(13)	Indonesia	578 600	2.99	78.30	8.92
11	( 9)	Russia, Asia	518 000	2.67	80.98	7.15
12	(11)	Kazakhstan	467 500	2.41	83.39	5.83
13	(12)	Poland	420 500	2.17	85.56	4.71
14	(14)	Brazil	359 463	1.86	87.42	3.44
15	(15)	Mongolia	314 325	1.62	89.04	2.63

**Abbreviations:** see Explanation

16	(17)	Iran	254 709	1.32	90.36	1.73
17	(16)	Russia, Europe	222 000	1.15	91.50	1.31
18	(18)	Laos	167 702	0.87	92.37	0.75
19	(20)	Spain	129 788	0.67	93.04	0.45
20	(19)	Bulgaria	112 600	0.58	93.62	0.34
21	(22)	Turkey	108 000	0.56	94.18	0.31
22	(25)	Uzbekistan	90 000	0.46	94.64	0.22
23	(23)	Philippines	83 835	0.43	95.07	0.19
24	(29)	Portugal	83 081	0.43	95.50	0.18
25	(27)	South Africa	77 360	0.40	95.90	0.16
26	(26)	Sweden	75 113	0.39	96.29	0.15
27	(21)	Argentina	61 811	0.32	96.61	0.10
28	(24)	Eritrea	61 600	0.32	96.93	0.10
29	(32)	Saudi Arabia	56 126	0.29	97.22	0.08
30	(31)	Armenia	51 765	0.27	97.48	0.07
31	(34)	Georgia	50 320	0.26	97.74	0.07
32	(28)	Papua New Guinea	49 629	0.26	98.00	0.07
33	(35)	Myanmar	46 900	0.24	98.24	0.06
34	(36)	Mauritania	45 001	0.23	98.47	0.05
35	(33)	Finland	41 805	0.22	98.69	0.05
36	(38)	India	32 810	0.17	98.86	0.03
37	(37)	Serbia	31 601	0.16	99.02	0.03
38	(39)	Morocco	26 850	0.14	99.16	0.02
39	(40)	Vietnam	24 491	0.13	99.29	0.02
40	(30)	Botswana	22 284	0.12	99.40	0.01
41	(42)	Korea, North	15 000	0.08	99.48	0.01
42	(51)	Namibia	13 913	0.07	99.55	0.01
43	(43)	Pakistan	13 056	0.07	99.62	0.00
44	(44)	Bolivia	9 479	0.05	99.67	0.00
45	(46)	Macedonia	8 834	0.05	99.71	0.00
46	(41)	Oman	8 650	0.04	99.76	0.00
47	(50)	Colombia	8 491	0.04	99.80	0.00
48	(47)	Zimbabwe	8 218	0.04	99.85	0.00
49	(48)	Romania	7 710	0.04	99.89	0.00
50	(45)	Dominican Republic	7 324	0.04	99.92	0.00
51	(49)	Tanzania	6 468	0.03	99.96	0.00
52	(55)	Kyrgyzstan	3 100	0.02	99.97	0.00
53	(52)	Albania	2 190	0.01	99.98	0.00
54	(53)	Cyprus	2 121	0.01	99.99	0.00
55	(54)	Azerbaijan	969	0.01	100.00	0.00
56	(56)	Slovakia	30	0.00	100.00	0.00
Total			19 368 181	100.00		HHI 1 222

## Gallium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	121	82.88	82.88	6 868.55
2	( 2)	Ukraine	13	8.90	91.78	79.28
3	( 3)	Japan	8	5.48	97.26	30.02
4	( 4)	Russia, Europe	4	2.74	100.00	7.51
Total			146	100.00		HHI 6 985

**Abbreviations:** see Explanation

## Germanium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	55	68.75	68.75	4 726.56
2	( 2)	Finland	13	16.25	85.00	264.06
3	( 3)	Russia, Asia	6	7.50	92.50	56.25
4	( 4)	United States	3	3.75	96.25	14.06
5	( 5)	Japan	2	2.50	98.75	6.25
6	( 6)	Ukraine	1	1.25	100.00	1.56
		Total	80	100.00		HHI5 069

## Lead

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	2 339 000	46.59	46.59	2 170.27
2	( 2)	Australia	653 488	13.02	59.60	169.41
3	( 3)	United States	367 000	7.31	66.91	53.43
4	( 4)	Peru	315 784	6.29	73.20	39.56
5	( 5)	Mexico	263 772	5.25	78.45	27.60
6	( 6)	Russia, Asia	188 160	3.75	82.20	14.04
7	( 7)	India	143 710	2.86	85.06	8.19
8	(11)	Sweden	79 354	1.58	86.64	2.50
9	( 8)	Turkey	75 900	1.51	88.16	2.29
10	(10)	Bolivia	75 273	1.50	89.66	2.25
11	( 9)	Poland	49 000	0.98	90.63	0.95
12	(20)	Morocco	48 200	0.96	91.59	0.92
13	(15)	Kazakhstan	41 400	0.82	92.42	0.68
14	(12)	Iran	40 800	0.81	93.23	0.66
15	(13)	Macedonia	37 920	0.76	93.98	0.57
16	(17)	Tajikistan	37 510	0.75	94.73	0.56
17	(19)	South Africa	34 573	0.69	95.42	0.47
18	(16)	Korea, North	32 400	0.65	96.07	0.42
19	(14)	Ireland	31 300	0.62	96.69	0.39
20	(18)	Argentina	26 000	0.52	97.21	0.27
21	(22)	Bulgaria	18 370	0.37	97.57	0.13
22	(21)	Myanmar	13 600	0.27	97.84	0.07
23	(25)	Uzbekistan	12 000	0.24	98.08	0.06
24	(29)	Guatemala	10 153	0.20	98.28	0.04
25	(23)	Honduras	9 800	0.20	98.48	0.04
26	(26)	Namibia	9 700	0.19	98.67	0.04
27	(28)	Brazil	9 400	0.19	98.86	0.04
28	(24)	Greece	9 175	0.18	99.04	0.03
29	(27)	Nigeria	8 000	0.16	99.20	0.03
30	(30)	Russia, Europe	7 840	0.16	99.36	0.02
31	(31)	Kosovo	6 400	0.13	99.49	0.02
32	(32)	Bosnia-Herzegovina	6 210	0.12	99.61	0.02
33	(35)	Portugal	3 077	0.06	99.67	0.00
34	(38)	Chile	2 979	0.06	99.73	0.00
35	(37)	Korea, South	2 920	0.06	99.79	0.00
36	(33)	Serbia	2 420	0.05	99.84	0.00

**Abbreviations:** see Explanation

37	(39)	Burkina Faso	2 000	0.04	99.88	0.00
38	(36)	Vietnam	1 900	0.04	99.91	0.00
39	(40)	Montenegro	1 800	0.04	99.95	0.00
40	(41)	Spain	1 598	0.03	99.98	0.00
41	(45)	Laos	370	0.01	99.99	0.00
42	(34)	Canada	253	0.01	99.99	0.00
43	(44)	Slovakia	160	0.00	100.00	0.00
44	(42)	Pakistan	136	0.00	100.00	0.00
Total			5 020 805	100.00		HHI 2 496

### Lithium (Li<sub>2</sub>O-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 2)	Australia	24 140	35.32	35.32	1 247.41
2	( 1)	Chile	22 500	32.92	68.24	1 083.68
3	( 3)	China	9 500	13.90	82.14	193.19
4	( 4)	Argentina	7 710	11.28	93.42	127.25
5	( 5)	United States	2 000	2.93	96.34	8.56
6	( 6)	Zimbabwe	1 845	2.70	99.04	7.29
7	( 7)	Brazil	450	0.66	99.70	0.43
8	( 8)	Portugal	204	0.30	100.00	0.09
Total			68 349	100.00		HHI 2 668

### Mercury

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	1 861	76.84	76.84	5 903.97
2	( 2)	Mexico	307	12.68	89.51	160.67
3	( 3)	Tajikistan	96	3.96	93.48	15.71
4	( 4)	Russia, Asia	50	2.06	95.54	4.26
5	( 6)	Argentina	25	1.03	96.57	1.07
6	( 5)	Kyrgyzstan	20	0.83	97.40	0.68
7	( 7)	Morocco	20	0.83	98.22	0.68
8	( 9)	United States	15	0.62	98.84	0.38
9	( 8)	Chile	14	0.58	99.42	0.33
10	(10)	Iran	14	0.58	100.00	0.33
Total			2 422	100.00		HHI 6 088

### Rare Earths Concentrates (REO-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	105 000	85.38	85.38	7 288.99
2	( 2)	Australia	10 916	8.88	94.25	78.78
3	( 3)	United States	3 678	2.99	97.24	8.94

**Abbreviations:** see Explanation

4	( 4)	Russia, Europe	2 312	1.88	99.12	3.53
5	(**)	Brazil	880	0.72	99.84	0.51
6	( 5)	Malaysia	200	0.16	100.00	0.03
Total			122 986	100.00		HHI 7 381

## Rhenium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 kg	Share in %	Share cum. %	Share HHI
1	( 1)	Chile	22 535	49.98	49.98	2 497.67
2	( 2)	United States	7 900	17.52	67.50	306.95
3	( 3)	Poland	6 346	14.07	81.57	198.07
4	( 8)	Kazakhstan	3 306	7.33	88.90	53.76
5	( 4)	China	2 400	5.32	94.23	28.33
6	( 5)	Russia, Europe	1 500	3.33	97.55	11.07
7	( 6)	Uzbekistan	1 000	2.22	99.77	4.92
8	( 7)	Armenia	104	0.23	100.00	0.05
Total			45 091	100.00		HHI 3 101

## Selenium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	1 300	33.91	33.91	1 149.69
2	( 2)	Japan	773	20.16	54.07	406.49
3	( 3)	Germany	660	17.21	71.28	296.34
4	( 4)	Belgium	200	5.22	76.50	27.21
5	( 5)	Russia, Asia	180	4.69	81.19	22.04
6	( 6)	Canada	156	4.07	85.26	16.56
7	( 7)	Mexico	107	2.79	88.05	7.79
8	( 8)	Sweden	100	2.61	90.66	6.80
9	( 9)	Finland	93	2.43	93.09	5.88
10	(10)	Poland	87	2.27	95.36	5.15
11	(11)	Philippines	70	1.83	97.18	3.33
12	(13)	Peru	40	1.04	98.23	1.09
13	(14)	Uzbekistan	20	0.52	98.75	0.27
14	(16)	India	17	0.44	99.19	0.20
15	(15)	Serbia	17	0.44	99.63	0.20
16	(12)	Kazakhstan	13	0.34	99.97	0.11
17	(**)	Armenia	1	0.03	100.00	0.00
Total			3 834	100.00		HHI 1 949

**Abbreviations:** see Explanation

## Tellurium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	United States	50	30.30	30.30	918.27
2	( 2)	Japan	37	22.42	52.73	502.85
3	( 3)	Russia, Asia	35	21.21	73.94	449.95
4	( 4)	Sweden	33	20.00	93.94	400.00
5	( 6)	Canada	10	6.06	100.00	36.73
Total			165	100.00		HHI 2 308

## Tin

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	135 000	42.11	42.11	1 773.45
2	( 2)	Indonesia	70 000	21.84	63.95	476.81
3	( 6)	Myanmar	29 000	9.05	72.99	81.84
4	( 5)	Bolivia	20 135	6.28	79.28	39.45
5	( 4)	Peru	19 511	6.09	85.36	37.04
6	( 3)	Brazil	18 824	5.87	91.23	34.48
7	( 7)	Australia	7 158	2.23	93.47	4.99
8	( 8)	Vietnam	5 400	1.68	95.15	2.84
9	(10)	Congo, D.R.	4 567	1.42	96.58	2.03
10	(11)	Malaysia	4 159	1.30	97.87	1.68
11	( 9)	Rwanda	2 770	0.86	98.74	0.75
12	(12)	Nigeria	2 298	0.72	99.45	0.51
13	(13)	Laos	1 020	0.32	99.77	0.10
14	(14)	Russia, Asia	360	0.11	99.88	0.01
15	(21)	Uganda	135	0.04	99.93	0.00
16	(17)	Tanzania	62	0.02	99.95	0.00
17	(16)	Burundi	55	0.02	99.96	0.00
18	(15)	Thailand	45	0.01	99.98	0.00
19	(18)	Portugal	42	0.01	99.99	0.00
20	(**)	United Kingdom	16	0.00	100.00	0.00
21	(22)	India	10	0.00	100.00	0.00
22	(19)	Mongolia	4	0.00	100.00	0.00
Total			320 571	100.00		HHI 2 456

## Zinc

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	4 748 000	35.71	35.71	1 275.11
2	( 2)	Australia	1 583 316	11.91	47.62	141.80
3	( 3)	Peru	1 421 523	10.69	58.31	114.30
4	( 4)	United States	824 700	6.20	64.51	38.47

**Abbreviations:** see Explanation

5	( 6)	Mexico	786 774	5.92	70.43	35.01
6	( 5)	India	740 740	5.57	76.00	31.04
7	( 7)	Bolivia	442 154	3.33	79.32	11.06
8	( 9)	Kazakhstan	339 300	2.55	81.88	6.51
9	( 8)	Canada	276 519	2.08	83.95	4.32
10	(11)	Sweden	246 983	1.86	85.81	3.45
11	(19)	Ireland	236 300	1.78	87.59	3.16
12	(13)	Russia, Asia	176 880	1.33	88.92	1.77
13	(12)	Turkey	173 600	1.31	90.23	1.70
14	(16)	Iran	168 210	1.27	91.49	1.60
15	(14)	Brazil	160 000	1.20	92.69	1.45
16	(15)	Namibia	123 675	0.93	93.62	0.87
17	(18)	Burkina Faso	68 670	0.52	94.14	0.27
18	(19)	Portugal	66 871	0.50	94.64	0.25
19	(17)	Poland	65 000	0.49	95.13	0.24
20	(22)	Morocco	55 360	0.42	95.55	0.17
21	(24)	Chile	48 071	0.36	95.91	0.13
22	(26)	Tajikistan	47 740	0.36	96.27	0.13
23	(20)	Mongolia	44 800	0.34	96.61	0.11
24	(31)	Spain	41 800	0.31	96.92	0.10
25	(27)	Saudi Arabia	37 513	0.28	97.20	0.08
26	(23)	Thailand	36 210	0.27	97.47	0.07
27	(25)	Argentina	33 800	0.25	97.73	0.06
28	(28)	Korea, North	32 000	0.24	97.97	0.06
29	(29)	Macedonia	29 150	0.22	98.19	0.05
30	(32)	South Africa	29 040	0.22	98.41	0.05
31	(21)	Finland	25 332	0.19	98.60	0.04
32	(33)	Russia, Europe	24 120	0.18	98.78	0.03
33	(30)	Honduras	23 000	0.17	98.95	0.03
34	(35)	Vietnam	17 000	0.13	99.08	0.02
35	(37)	Bulgaria	16 390	0.12	99.20	0.02
36	(34)	Greece	16 200	0.12	99.33	0.01
37	(36)	Guatemala	14 810	0.11	99.44	0.01
38	(44)	Nigeria	14 200	0.11	99.54	0.01
39	(38)	Bosnia-Herzegovina	8 960	0.07	99.61	0.00
40	(40)	Uzbekistan	8 000	0.06	99.67	0.00
41	(39)	Armenia	7 111	0.05	99.72	0.00
42	(42)	Montenegro	7 000	0.05	99.78	0.00
43	(45)	Congo, D.R.	6 340	0.05	99.82	0.00
44	(46)	Myanmar	4 850	0.04	99.86	0.00
45	(43)	Serbia	4 670	0.04	99.90	0.00
46	(**)	Dominican Republic	4 655	0.04	99.93	0.00
47	(47)	Kosovo	4 000	0.03	99.96	0.00
48	(48)	Romania	2 900	0.02	99.98	0.00
49	(50)	Korea, South	2 070	0.02	100.00	0.00
50	(51)	Slovakia	170	0.00	100.00	0.00
Total			13 296 477	100.00	HHI 1 674	

**Abbreviations:** see Explanation

### 6.5.3 Precious Metals

#### Gold

Rank 2015	Rank 2014	C o u n t r y	Production 2015 kg	Share in %	Share cum. %	Share HHI
1	( 1)	China	450 053	14.57	14.57	212.40
2	( 2)	Australia	279 190	9.04	23.62	81.74
3	( 3)	Russia, Asia	237 340	7.69	31.30	59.07
4	( 4)	United States	212 304	6.88	38.18	47.27
5	( 5)	Canada	159 040	5.15	43.33	26.52
6	( 7)	Peru	146 823	4.75	48.08	22.61
7	( 6)	South Africa	144 504	4.68	52.76	21.90
8	( 8)	Mexico	134 759	4.36	57.12	19.04
9	(10)	Uzbekistan	103 000	3.34	60.46	11.13
10	( 9)	Ghana	96 905	3.14	63.60	9.85
11	(14)	Indonesia	92 171	2.98	66.58	8.91
12	(11)	Brazil	83 127	2.69	69.27	7.25
13	(12)	Sudan	82 400	2.67	71.94	7.12
14	(13)	Argentina	71 235	2.31	74.25	5.32
15	(17)	Kazakhstan	63 720	2.06	76.31	4.26
16	(15)	Colombia	59 202	1.92	78.23	3.68
17	(16)	Papua New Guinea	51 495	1.67	79.90	2.78
18	(19)	Mali	46 503	1.51	81.40	2.27
19	(18)	Chile	42 501	1.38	82.78	1.89
20	(20)	Tanzania	42 413	1.37	84.15	1.89
21	(21)	Burkina Faso	36 350	1.18	85.33	1.39
22	(25)	Congo, D.R.	31 878	1.03	86.36	1.07
23	(22)	Dominican Republic	30 454	0.99	87.35	0.97
24	(23)	Turkey	27 800	0.90	88.25	0.81
25	(29)	Philippines	21 310	0.69	88.94	0.48
26	(28)	Mongolia	20 829	0.67	89.61	0.45
27	(32)	Cote d'Ivoire	20 245	0.66	90.27	0.43
28	(33)	Zimbabwe	20 023	0.65	90.92	0.42
29	(26)	Guinea	19 030	0.62	91.53	0.38
30	(31)	Russia, Europe	17 860	0.58	92.11	0.33
31	(30)	Kyrgyzstan	17 015	0.55	92.66	0.30
32	(27)	Togo	15 568	0.50	93.17	0.25
33	(34)	Guyana	14 024	0.45	93.62	0.21
34	(36)	Egypt	13 657	0.44	94.06	0.20
35	(24)	Bolivia	13 000	0.42	94.48	0.18
36	(35)	New Zealand	12 687	0.41	94.90	0.17
37	(37)	Suriname	9 397	0.30	95.20	0.09
38	(38)	Ethiopia	9 370	0.30	95.50	0.09
39	(39)	Mauritania	8 805	0.29	95.79	0.08
40	(40)	Nicaragua	8 522	0.28	96.06	0.08
41	(41)	Finland	8 342	0.27	96.33	0.07
42	(45)	Bulgaria	7 930	0.26	96.59	0.07
43	(42)	Ecuador	7 723	0.25	96.84	0.06
44	(43)	Japan	7 699	0.25	97.09	0.06
45	(48)	Laos	6 893	0.22	97.31	0.05
46	(59)	Namibia	6 085	0.20	97.51	0.04
47	(44)	Sweden	6 028	0.20	97.71	0.04
48	(46)	Senegal	5 779	0.19	97.89	0.04
49	(47)	Guatemala	5 641	0.18	98.08	0.03

**Abbreviations:** see Explanation

50	(50)	Saudi Arabia	5 089	0.16	98.24	0.03
51	(52)	Malaysia	4 854	0.16	98.40	0.02
52	(49)	Zambia	4 238	0.14	98.54	0.02
53	(54)	Tajikistan	4 200	0.14	98.67	0.02
54	(53)	Nigeria	4 000	0.13	98.80	0.02
55	(51)	Thailand	3 305	0.11	98.91	0.01
56	(58)	Georgia	3 073	0.10	99.01	0.01
57	(55)	Armenia	2 805	0.09	99.10	0.01
58	(56)	Honduras	2 598	0.08	99.18	0.01
59	(63)	Iran	2 368	0.08	99.26	0.01
60	(62)	Azerbaijan	2 240	0.07	99.33	0.01
61	(61)	Spain	1 628	0.05	99.38	0.00
62	(57)	Greece	1 600	0.05	99.44	0.00
63	(64)	Uruguay	1 413	0.05	99.48	0.00
64	(65)	India	1 323	0.04	99.52	0.00
65	(70)	Gabon	1 301	0.04	99.57	0.00
66	(67)	Fiji	1 290	0.04	99.61	0.00
67	(60)	French Guiana	1 265	0.04	99.65	0.00
68	(74)	Myanmar	1 250	0.04	99.69	0.00
69	(73)	Niger	1 220	0.04	99.73	0.00
70	(66)	Serbia	1 186	0.04	99.77	0.00
71	(76)	Liberia	1 016	0.03	99.80	0.00
72	(69)	Costa Rica	950	0.03	99.83	0.00
73	(71)	Botswana	756	0.02	99.86	0.00
74	(77)	Slovakia	580	0.02	99.87	0.00
75	(68)	Venezuela	558	0.02	99.89	0.00
76	(75)	Burundi	549	0.02	99.91	0.00
77	(80)	Romania	500	0.02	99.93	0.00
78	(81)	Morocco	448	0.01	99.94	0.00
79	(84)	Poland	431	0.01	99.96	0.00
80	(83)	Kenya	300	0.01	99.97	0.00
81	(82)	Korea, South	269	0.01	99.97	0.00
82	(79)	Cameroon	250	0.01	99.98	0.00
83	(85)	Mozambique	242	0.01	99.99	0.00
84	(89)	Sierra Leone	106	0.00	99.99	0.00
85	(87)	Algeria	80	0.00	100.00	0.00
86	(88)	Central African Republic	55	0.00	100.00	0.00
87	(90)	Congo, Rep.	35	0.00	100.00	0.00
88	(91)	Benin	30	0.00	100.00	0.00
89	(92)	Uganda	13	0.00	100.00	0.00
Total			3 088 043	100.00	HHI	566

## Palladium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 kg	Share in %	Share cum. %	Share HHI
1	( 1)	South Africa	83 482	40.74	40.74	1 659.77
2	( 2)	Russia, Asia	59 051	28.82	69.56	830.45
3	( 3)	Canada	21 700	10.59	80.15	112.15
4	( 4)	Russia, Europe	16 655	8.13	88.28	66.06
5	( 5)	United States	12 532	6.12	94.39	37.40
6	( 6)	Zimbabwe	10 055	4.91	99.30	24.08
7	( 7)	Finland	784	0.38	99.68	0.15
8	( 8)	Australia	425	0.21	99.89	0.04

**Abbreviations:** see Explanation

9	( 9)	Botswana	156	0.08	99.96	0.01
10	(19)	Poland	51	0.02	99.99	0.00
11	(11)	Serbia	22	0.01	100.00	0.00
Total			204 913	100.00		HHI 2 730

## Platinum

Rank 2015	Rank 2014	C o u n t r y	Production 2015 kg	Share in %	Share cum. %	Share HHI
1	( 1)	South Africa	142 174	74.90	74.90	5 609.68
2	( 2)	Russia, Asia	16 671	8.78	83.68	77.13
3	( 3)	Zimbabwe	12 564	6.62	90.30	43.81
4	( 4)	Canada	8 500	4.48	94.78	20.05
5	( 5)	Russia, Europe	4 168	2.20	96.97	4.82
6	( 6)	United States	3 667	1.93	98.90	3.73
7	( 8)	Finland	992	0.52	99.43	0.27
8	( 7)	Colombia	861	0.45	99.88	0.21
9	( 9)	Australia	108	0.06	99.94	0.00
10	(11)	Poland	86	0.05	99.98	0.00
11	(10)	Botswana	31	0.02	100.00	0.00
12	(12)	Serbia	2	0.00	100.00	0.00
Total			189 824	100.00		HHI 5 760

## Rhodium

Rank 2015	Rank 2014	C o u n t r y	Production 2015 kg	Share in %	Share cum. %	Share HHI
1	( 1)	South Africa	19 004	81.76	81.76	6 685.07
2	( 2)	Russia, Asia	2 488	10.70	92.47	114.58
3	( 3)	Zimbabwe	1 128	4.85	97.32	23.55
4	( 4)	Canada	530	2.28	99.60	5.20
5	( 5)	United States	93	0.40	100.00	0.16
Total			23 243	100.00		HHI 6 829

## Silver

Rank 2015	Rank 2014	C o u n t r y	Production 2015 kg	Share in %	Share cum. %	Share HHI
1	( 1)	Mexico	5 955 151	21.51	21.51	462.57
2	( 2)	Peru	4 101 568	14.81	36.32	219.43
3	( 3)	China	3 393 392	12.26	48.58	150.20
4	( 5)	Chile	1 504 271	5.43	54.01	29.52
5	( 7)	Russia, Asia	1 413 654	5.11	59.11	26.07
6	( 4)	Australia	1 373 798	4.96	64.08	24.62
7	( 6)	Bolivia	1 306 000	4.72	68.79	22.25
8	(10)	Kazakhstan	1 305 326	4.71	73.51	22.22

**Abbreviations:** see Explanation

9	( 8)	Poland	1 283 000	4.63	78.14	21.47
10	( 9)	United States	1 090 000	3.94	82.08	15.50
11	(11)	Argentina	1 079 291	3.90	85.98	15.19
12	(12)	Guatemala	862 814	3.12	89.09	9.71
13	(14)	Sweden	479 686	1.73	90.82	3.00
14	(15)	India	426 443	1.54	92.36	2.37
15	(13)	Canada	379 860	1.37	93.74	1.88
16	(16)	Morocco	216 383	0.78	94.52	0.61
17	(17)	Turkey	193 556	0.70	95.22	0.49
18	(18)	Russia, Europe	157 073	0.57	95.78	0.32
19	(20)	Indonesia	151 934	0.55	96.33	0.30
20	(60)	Ecuador	122 883	0.44	96.78	0.20
21	(19)	Dominican Republic	91 928	0.33	97.11	0.11
22	(24)	Mongolia	69 000	0.25	97.36	0.06
23	(21)	Papua New Guinea	62 943	0.23	97.58	0.05
24	(22)	Uzbekistan	60 000	0.22	97.80	0.05
25	(26)	South Africa	51 861	0.19	97.99	0.04
26	(28)	Laos	51 764	0.19	98.18	0.03
27	(25)	Korea, North	50 000	0.18	98.36	0.03
28	(30)	Iran	48 380	0.17	98.53	0.03
29	(27)	Portugal	41 337	0.15	98.68	0.02
30	(23)	Honduras	34 369	0.12	98.80	0.02
31	(31)	Macedonia	30 000	0.11	98.91	0.01
32	(35)	Philippines	29 780	0.11	99.02	0.01
33	(33)	Spain	27 300	0.10	99.12	0.01
34	(29)	Greece	25 170	0.09	99.21	0.01
35	(34)	Brazil	25 000	0.09	99.30	0.01
36	(32)	Thailand	21 047	0.08	99.38	0.01
37	(37)	Armenia	18 350	0.07	99.44	0.00
38	(41)	Nicaragua	18 227	0.07	99.51	0.00
39	(38)	Romania	18 000	0.07	99.57	0.00
40	(40)	Tanzania	15 820	0.06	99.63	0.00
41	(42)	Bulgaria	14 000	0.05	99.68	0.00
42	(43)	Finland	13 051	0.05	99.73	0.00
43	(39)	New Zealand	12 498	0.05	99.77	0.00
44	(44)	Colombia	10 155	0.04	99.81	0.00
45	(48)	Kyrgyzstan	8 101	0.03	99.84	0.00
46	(45)	Serbia	7 488	0.03	99.87	0.00
47	(49)	Saudi Arabia	5 530	0.02	99.89	0.00
48	(51)	Japan	4 616	0.02	99.90	0.00
49	(52)	Korea, South	4 586	0.02	99.92	0.00
50	(50)	Ghana	4 000	0.01	99.93	0.00
51	(47)	Ireland	3 770	0.01	99.95	0.00
52	(36)	Botswana	2 800	0.01	99.96	0.00
53	(53)	Tajikistan	2 658	0.01	99.97	0.00
54	(46)	Congo, D.R.	2 412	0.01	99.98	0.00
55	(56)	Sudan	1 000	0.00	99.98	0.00
56	(57)	Ethiopia	990	0.00	99.98	0.00
57	(61)	Malaysia	900	0.00	99.99	0.00
58	(58)	Azerbaijan	890	0.00	99.99	0.00
59	(55)	Namibia	877	0.00	99.99	0.00
60	(59)	Cote d'Ivoire	576	0.00	99.99	0.00
61	(54)	Senegal	540	0.00	100.00	0.00
62	(62)	Slovakia	400	0.00	100.00	0.00
63	(63)	Fiji	354	0.00	100.00	0.00
64	(65)	Niger	100	0.00	100.00	0.00
Total			27 688 651	100.00	HHI 1 028	

**Abbreviations:** see Explanation

## 6.5.4 Industrial Minerals

### Asbestos

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Russia, Europe	720 000	40.23	40.23	1 618.47
2	( 2)	China	400 000	22.35	62.58	499.53
3	( 3)	Brazil	310 000	17.32	79.90	300.03
4	( 5)	Russia, Asia	180 000	10.06	89.96	101.15
5	( 4)	Kazakhstan	179 700	10.04	100.00	100.82
Total			1 789 700	100.00		HHI 2 620

### Baryte

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	2 984 000	32.23	32.23	1 038.88
2	( 4)	Iran	1 085 667	11.73	43.96	137.52
3	( 2)	Morocco	1 040 000	11.23	55.19	126.19
4	( 3)	India	900 000	9.72	64.91	94.50
5	( 6)	Kazakhstan	752 300	8.13	73.04	66.03
6	( 8)	Turkey	655 943	7.09	80.12	50.20
7	( 5)	United States	425 000	4.59	84.71	21.07
8	( 7)	Mexico	265 700	2.87	87.58	8.24
9	(11)	Pakistan	204 940	2.21	89.80	4.90
10	(10)	Thailand	170 621	1.84	91.64	3.40
11	( 9)	Russia, Asia	153 000	1.65	93.29	2.73
12	(12)	Vietnam	140 000	1.51	94.81	2.29
13	(18)	Laos	90 330	0.98	95.78	0.95
14	(14)	Germany	68 297	0.74	96.52	0.54
15	(19)	Bolivia	46 732	0.50	97.02	0.25
16	(17)	Saudi Arabia	43 000	0.46	97.49	0.22
17	(16)	United Kingdom	40 000	0.43	97.92	0.19
18	(15)	Algeria	32 020	0.35	98.27	0.12
19	(21)	Canada	30 000	0.32	98.59	0.11
20	(13)	Peru	28 407	0.31	98.90	0.09
21	(23)	Slovakia	21 000	0.23	99.12	0.05
22	(22)	Russia, Europe	17 000	0.18	99.31	0.03
23	(25)	Malaysia	16 624	0.18	99.49	0.03
24	(26)	Argentina	11 017	0.12	99.61	0.01
25	(28)	Tunisia	10 000	0.11	99.71	0.01
26	(27)	Nigeria	10 000	0.11	99.82	0.01
27	(24)	Australia	6 017	0.06	99.89	0.00
28	(29)	Egypt	4 000	0.04	99.93	0.00
29	(30)	Brazil	3 000	0.03	99.96	0.00
30	(20)	Myanmar	2 836	0.03	99.99	0.00
31	(32)	Guatemala	544	0.01	100.00	0.00
Total			9 257 995	100.00		HHI 1 559

**Abbreviations:** see Explanation

## Bentonite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	United States	4 040 000	22.82	22.82	520.82
2	( 2)	China	3 650 000	20.62	43.44	425.12
3	( 4)	Turkey	3 134 911	17.71	61.15	313.60
4	( 5)	Greece	1 123 320	6.35	67.49	40.27
5	( 3)	India	1 100 000	6.21	73.71	38.61
6	( 6)	Russia, Europe	544 000	3.07	76.78	9.44
7	( 8)	Japan	500 000	2.82	79.61	7.98
8	( 9)	Iran	435 974	2.46	82.07	6.07
9	(10)	Germany	392 831	2.22	84.29	4.92
10	(12)	Czech Republic	369 000	2.08	86.37	4.34
11	(11)	Brazil	340 000	1.92	88.29	3.69
12	( 7)	Mexico	294 236	1.66	89.95	2.76
13	(13)	Ukraine	220 000	1.24	91.20	1.54
14	(14)	Slovakia	199 841	1.13	92.33	1.27
15	(15)	Argentina	180 000	1.02	93.34	1.03
16	(16)	South Africa	165 535	0.94	94.28	0.87
17	(18)	Russia, Asia	136 000	0.77	95.05	0.59
18	(17)	Cyprus	127 036	0.72	95.76	0.51
19	(19)	Spain	100 604	0.57	96.33	0.32
20	(20)	Morocco	100 000	0.56	96.90	0.32
21	(23)	Korea, South	78 439	0.44	97.34	0.20
22	(24)	Australia	75 000	0.42	97.76	0.18
23	(26)	Bulgaria	61 600	0.35	98.11	0.12
24	(21)	Azerbaijan	56 800	0.32	98.43	0.10
25	(25)	Denmark	54 272	0.31	98.74	0.09
26	(29)	Algeria	34 400	0.19	98.93	0.04
27	(30)	Bosnia-Herzegovina	30 000	0.17	99.10	0.03
28	(27)	Pakistan	23 283	0.13	99.23	0.02
29	(28)	Peru	21 341	0.12	99.35	0.01
30	(32)	Romania	20 000	0.11	99.47	0.01
31	(33)	Hungary	14 170	0.08	99.55	0.01
32	(31)	Italy	12 840	0.07	99.62	0.01
33	(35)	France	11 000	0.06	99.68	0.00
34	(37)	Turkmenistan	10 000	0.06	99.74	0.00
35	(40)	Armenia	9 228	0.05	99.79	0.00
36	(34)	Macedonia	9 004	0.05	99.84	0.00
37	(38)	Indonesia	7 000	0.04	99.88	0.00
38	(39)	Iraq	6 000	0.03	99.92	0.00
39	(36)	Uruguay	4 252	0.02	99.94	0.00
40	(41)	Philippines	3 350	0.02	99.96	0.00
41	(42)	Egypt	2 000	0.01	99.97	0.00
42	(43)	Chile	1 434	0.01	99.98	0.00
43	(45)	Bolivia	1 023	0.01	99.98	0.00
44	(22)	Guatemala	718	0.00	99.99	0.00
45	(44)	New Zealand	700	0.00	99.99	0.00
46	(47)	Cuba	500	0.00	99.99	0.00
47	(48)	Poland	450	0.00	100.00	0.00
48	(46)	Mozambique	350	0.00	100.00	0.00
49	(49)	Slovenia	232	0.00	100.00	0.00
Total			17 702 674	100.00		HHI 1 385

**Abbreviations:** see Explanation

## Boron

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Turkey	1 840 000	37.10	37.10	1 376.42
2	( 2)	United States	1 218 000	24.56	61.66	603.13
3	( 5)	Peru	662 709	13.36	75.02	178.55
4	( 3)	Chile	517 584	10.44	85.46	108.91
5	( 4)	Argentina	300 000	6.05	91.51	36.59
6	( 6)	China	160 000	3.23	94.73	10.41
7	( 7)	Bolivia	148 738	3.00	97.73	8.99
8	( 8)	Russia, Asia	82 000	1.65	99.38	2.73
9	( 9)	Kazakhstan	30 000	0.60	99.99	0.37
10	(10)	Iran	515	0.01	100.00	0.00
Total			4 959 546	100.00		HHI 2 326

## Diamonds (Gem)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 ct	Share in %	Share cum. %	Share HHI
1	( 1)	Russia, Asia	25 147 434	32.93	32.93	1 084.08
2	( 2)	Botswana	14 576 800	19.09	52.01	364.25
3	( 3)	Canada	11 677 471	15.29	67.30	233.76
4	( 4)	Angola	8 114 709	10.62	77.92	112.88
5	( 5)	Australia	6 644 790	8.70	86.62	75.69
6	( 7)	South Africa	3 293 094	4.31	90.94	18.59
7	( 6)	Congo, D.R.	3 150 700	4.13	95.06	17.02
8	( 8)	Namibia	1 676 108	2.19	97.26	4.82
9	( 9)	Zimbabwe	1 008 000	1.32	98.58	1.74
10	(10)	Sierra Leone	420 158	0.55	99.13	0.30
11	(11)	Tanzania	184 025	0.24	99.37	0.06
12	(12)	Ghana	139 350	0.18	99.55	0.03
13	(13)	Guinea	125 161	0.16	99.71	0.03
14	(14)	Guyana	88 838	0.12	99.83	0.01
15	(15)	Lesotho	60 846	0.08	99.91	0.01
16	(16)	Liberia	44 240	0.06	99.97	0.00
17	(19)	Cote d'Ivoire	11 940	0.02	99.98	0.00
18	(17)	Brazil	10 503	0.01	100.00	0.00
19	(18)	India	2 886	0.00	100.00	0.00
Total			76 377 053	100.00		HHI 1 913

## Diamonds (Ind)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 ct	Share in %	Share cum. %	Share HHI
1	( 1)	Russia, Asia	16 764 956	32.61	32.61	1 063.70
2	( 2)	Congo, D.R.	12 602 790	24.52	57.13	601.10
3	( 5)	Australia	6 916 005	13.45	70.59	181.02

**Abbreviations:** see Explanation

4	( 3)	Botswana	6 247 200	12.15	82.74	147.70
5	( 4)	South Africa	4 939 640	9.61	92.35	92.34
6	( 6)	Zimbabwe	2 352 000	4.58	96.92	20.94
7	( 7)	Angola	901 634	1.75	98.68	3.08
8	( 8)	Lesotho	243 386	0.47	99.15	0.22
9	( 9)	Namibia	88 216	0.17	99.32	0.03
10	(10)	Sierra Leone	79 881	0.16	99.48	0.02
11	(13)	Guinea	41 720	0.08	99.56	0.01
12	(11)	Congo, Rep.	40 057	0.08	99.64	0.01
13	(12)	Ghana	34 838	0.07	99.71	0.00
14	(16)	India	33 184	0.06	99.77	0.00
15	(15)	Tanzania	32 475	0.06	99.83	0.00
16	(18)	Guyana	29 613	0.06	99.89	0.00
17	(17)	Liberia	29 490	0.06	99.95	0.00
18	(14)	Brazil	21 323	0.04	99.99	0.00
19	(20)	Cote d'Ivoire	2 985	0.01	100.00	0.00
20	(19)	Cameroon	2 245	0.00	100.00	0.00
Total			51 403 638	100.00		HHI 2 110

## Diatomite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	United States	832 000	38.70	38.70	1 497.46
2	( 2)	China	420 000	19.53	58.23	381.60
3	( 3)	Argentina	200 000	9.30	67.53	86.53
4	( 5)	Denmark	127 500	5.93	73.46	35.17
5	( 4)	Peru	120 672	5.61	79.08	31.50
6	( 6)	France	90 000	4.19	83.26	17.52
7	( 7)	Mexico	89 810	4.18	87.44	17.45
8	( 9)	Turkey	86 656	4.03	91.47	16.24
9	(10)	Spain	50 500	2.35	93.82	5.52
10	(13)	Chile	26 186	1.22	95.04	1.48
11	(16)	Costa Rica	20 537	0.96	95.99	0.91
12	(14)	Armenia	18 915	0.88	96.87	0.77
13	( 8)	Korea, South	15 310	0.71	97.58	0.51
14	(15)	Australia	15 000	0.70	98.28	0.49
15	(12)	Czech Republic	15 000	0.70	98.98	0.49
16	(17)	Iran	9 500	0.44	99.42	0.20
17	(18)	Brazil	5 000	0.23	99.65	0.05
18	(19)	Ethiopia	4 000	0.19	99.84	0.03
19	(20)	Algeria	2 360	0.11	99.95	0.01
20	(21)	Kenya	1 090	0.05	100.00	0.00
Total			2 150 036	100.00		HHI 2 094

**Abbreviations:** see Explanation

## Feldspar

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Turkey	10 422 766	33.97	33.97	1 153.70
2	( 2)	Germany	4 649 326	15.15	49.12	229.57
3	( 4)	China	2 500 000	8.15	57.26	66.38
4	( 3)	Italy	2 200 000	7.17	64.43	51.40
5	( 7)	India	1 350 000	4.40	68.83	19.36
6	( 6)	Thailand	1 331 916	4.34	73.17	18.84
7	( 5)	Indonesia	1 206 700	3.93	77.11	15.46
8	( 8)	Iran	1 003 354	3.27	80.38	10.69
9	(12)	Korea, South	601 030	1.96	82.33	3.84
10	(10)	Spain	560 000	1.82	84.16	3.33
11	( 9)	France	550 000	1.79	85.95	3.21
12	(11)	United States	520 000	1.69	87.65	2.87
13	(12)	Czech Republic	433 000	1.41	89.06	1.99
14	(14)	Brazil	400 000	1.30	90.36	1.70
15	(16)	Malaysia	340 777	1.11	91.47	1.23
16	(15)	Egypt	300 000	0.98	92.45	0.96
17	(19)	Ecuador	253 253	0.83	93.27	0.68
18	(17)	Algeria	230 000	0.75	94.02	0.56
19	(18)	Argentina	220 000	0.72	94.74	0.51
20	(20)	Saudi Arabia	176 000	0.57	95.31	0.33
21	(21)	Mexico	159 372	0.52	95.83	0.27
22	(24)	South Africa	130 184	0.42	96.26	0.18
23	(22)	Russia, Asia	123 000	0.40	96.66	0.16
24	(23)	Japan	105 000	0.34	97.00	0.12
25	(25)	Sri Lanka	95 000	0.31	97.31	0.10
26	(32)	Sudan	94 354	0.31	97.62	0.09
27	(30)	Portugal	93 789	0.31	97.92	0.09
28	(29)	Russia, Europe	82 000	0.27	98.19	0.07
29	(31)	Poland	76 540	0.25	98.44	0.06
30	(27)	Venezuela	75 527	0.25	98.69	0.06
31	(36)	Morocco	45 000	0.15	98.83	0.02
32	(26)	Ukraine	44 500	0.15	98.98	0.02
33	(34)	Australia	40 777	0.13	99.11	0.02
34	(28)	Pakistan	38 568	0.13	99.24	0.02
35	(33)	Finland	38 026	0.12	99.36	0.02
36	(37)	Austria	35 000	0.11	99.48	0.01
37	(38)	Philippines	35 000	0.11	99.59	0.01
38	(39)	Sweden	29 000	0.09	99.68	0.01
39	(41)	Macedonia	20 289	0.07	99.75	0.00
40	(40)	Serbia	20 000	0.07	99.82	0.00
41	(42)	Peru	16 979	0.06	99.87	0.00
42	(35)	Colombia	12 234	0.04	99.91	0.00
43	(43)	Guatemala	10 340	0.03	99.94	0.00
44	(44)	Romania	7 000	0.02	99.97	0.00
45	(45)	Chile	6 577	0.02	99.99	0.00
46	(46)	Cuba	3 300	0.01	100.00	0.00
47	(48)	Uruguay	200	0.00	100.00	0.00
48	(47)	Norway	76	0.00	100.00	0.00
Total			30 685 754	100.00		HHI 1 588

**Abbreviations:** see Explanation

## Fluorspar

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	4 400 000	68.34	68.34	4 670.83
2	( 2)	Mexico	624 574	9.70	78.04	94.11
3	( 3)	Mongolia	280 300	4.35	82.40	18.96
4	( 4)	South Africa	220 000	3.42	85.82	11.68
5	( 9)	Vietnam	214 000	3.32	89.14	11.05
6	( 5)	Bulgaria	131 900	2.05	91.19	4.20
7	( 6)	Spain	130 647	2.03	93.22	4.12
8	(10)	Morocco	85 000	1.32	94.54	1.74
9	(12)	United Kingdom	81 000	1.26	95.80	1.58
10	( 8)	Kenya	70 096	1.09	96.88	1.19
11	(13)	Germany	57 741	0.90	97.78	0.80
12	(11)	Iran	39 286	0.61	98.39	0.37
13	(14)	Argentina	35 000	0.54	98.94	0.30
14	(15)	Brazil	24 000	0.37	99.31	0.14
15	(19)	Thailand	15 095	0.23	99.54	0.05
16	(17)	Russia, Asia	7 200	0.11	99.65	0.01
17	(20)	Turkey	6 238	0.10	99.75	0.01
18	(16)	Pakistan	5 960	0.09	99.84	0.01
19	(18)	Korea, North	4 000	0.06	99.91	0.00
20	(21)	India	2 333	0.04	99.94	0.00
21	(22)	Afghanistan	2 000	0.03	99.97	0.00
22	(23)	Egypt	900	0.01	99.99	0.00
23	(24)	Russia, Europe	800	0.01	100.00	0.00
Total			6 438 070	100.00		HHI 4 821

## Graphite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	780 000	69.77	69.77	4 868.11
2	( 2)	India	134 568	12.04	81.81	144.90
3	( 3)	Brazil	75 073	6.72	88.52	45.10
4	( 5)	Korea, North	40 000	3.58	92.10	12.80
5	( 4)	Canada	30 000	2.68	94.79	7.20
6	( 6)	Russia, Europe	15 000	1.34	96.13	1.80
7	( 8)	Norway	9 185	0.82	96.95	0.68
8	(11)	Madagascar	8 100	0.72	97.67	0.52
9	( 9)	Ukraine	8 000	0.72	98.39	0.51
10	( 7)	Mexico	6 524	0.58	98.97	0.34
11	(10)	Zimbabwe	6 362	0.57	99.54	0.32
12	(13)	Sri Lanka	4 212	0.38	99.92	0.14
13	(14)	Germany	398	0.04	99.95	0.00
14	(**)	Sweden	295	0.03	99.98	0.00
15	(15)	Austria	150	0.01	99.99	0.00
16	(**)	Korea, South	62	0.01	100.00	0.00
Total			1 117 929	100.00		HHI 5 082

**Abbreviations:** see Explanation

## Gypsum and Anhydrite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	40 000 000	24.42	24.42	596.40
2	( 2)	Iran	17 793 500	10.86	35.28	118.02
3	( 3)	United States	15 200 000	9.28	44.56	86.12
4	( 4)	Thailand	12 143 168	7.41	51.98	54.96
5	( 5)	Turkey	8 638 715	5.27	57.25	27.82
6	( 7)	Spain	7 790 000	4.76	62.01	22.62
7	( 6)	Mexico	7 101 612	4.34	66.34	18.80
8	(11)	Oman	6 180 800	3.77	70.12	14.24
9	( 8)	Italy	5 717 300	3.49	73.61	12.18
10	( 9)	Russia, Europe	4 400 000	2.69	76.30	7.22
11	(10)	Brazil	3 450 000	2.11	78.40	4.44
12	(12)	France	3 300 000	2.01	80.42	4.06
13	(13)	Australia	3 134 439	1.91	82.33	3.66
14	(14)	Germany	2 574 312	1.57	83.90	2.47
15	(15)	India	2 500 000	1.53	85.43	2.33
16	(16)	Algeria	2 150 000	1.31	86.74	1.72
17	(18)	Saudi Arabia	1 860 000	1.14	87.88	1.29
18	(17)	Canada	1 727 870	1.05	88.93	1.11
19	(20)	Argentina	1 500 000	0.92	89.85	0.84
20	(21)	Pakistan	1 417 007	0.87	90.71	0.75
21	(19)	Ukraine	1 255 000	0.77	91.48	0.59
22	(22)	United Kingdom	1 200 000	0.73	92.21	0.54
23	(23)	Poland	1 018 450	0.62	92.83	0.39
24	(24)	Egypt	872 141	0.53	93.37	0.28
25	(25)	Chile	860 075	0.53	93.89	0.28
26	(26)	Romania	820 000	0.50	94.39	0.25
27	(28)	Austria	715 195	0.44	94.83	0.19
28	(27)	Tunisia	690 000	0.42	95.25	0.18
29	(29)	Greece	649 280	0.40	95.65	0.16
30	(30)	Laos	600 000	0.37	96.01	0.13
31	(36)	Cyprus	471 885	0.29	96.30	0.08
32	(39)	Colombia	445 855	0.27	96.57	0.07
33	(31)	Peru	438 025	0.27	96.84	0.07
34	(33)	Bhutan	389 365	0.24	97.08	0.06
35	(35)	Dominican Republic	350 700	0.21	97.29	0.05
36	(37)	Switzerland	340 000	0.21	97.50	0.04
37	(38)	Portugal	309 966	0.19	97.69	0.04
38	(46)	Angola	300 000	0.18	97.87	0.03
39	(41)	Jordan	275 000	0.17	98.04	0.03
40	(44)	Tanzania	254 800	0.16	98.19	0.02
41	(40)	Ireland	250 000	0.15	98.35	0.02
42	(34)	South Africa	231 688	0.14	98.49	0.02
43	(42)	Latvia	225 370	0.14	98.63	0.02
44	(43)	Azerbaijan	196 500	0.12	98.75	0.01
45	(47)	Moldova	194 900	0.12	98.87	0.01
46	(49)	Macedonia	172 525	0.11	98.97	0.01
47	(50)	Libya	150 000	0.09	99.06	0.01
48	(48)	Croatia	126 470	0.08	99.14	0.01
49	(60)	Guatemala	111 351	0.07	99.21	0.00
50	(52)	Lebanon	110 000	0.07	99.27	0.00
51	(53)	Albania	110 000	0.07	99.34	0.00
52	(58)	Bulgaria	108 600	0.07	99.41	0.00

Abbreviations: see Explanation

53	(55)	Yemen	100 000	0.06	99.47	0.00
54	(45)	Syria	100 000	0.06	99.53	0.00
55	(54)	Myanmar	99 860	0.06	99.59	0.00
56	(56)	Cuba	90 900	0.06	99.65	0.00
57	(59)	Israel	82 000	0.05	99.70	0.00
58	(61)	Slovakia	70 000	0.04	99.74	0.00
59	(32)	Kyrgyzstan	60 617	0.04	99.78	0.00
60	(57)	Bosnia-Herzegovina	58 800	0.04	99.81	0.00
61	(62)	Afghanistan	57 000	0.03	99.85	0.00
62	(65)	Ethiopia	45 000	0.03	99.87	0.00
63	(64)	Jamaica	43 000	0.03	99.90	0.00
64	(63)	Nicaragua	37 115	0.02	99.92	0.00
65	(67)	Mauritania	35 000	0.02	99.94	0.00
66	(51)	Sudan	28 965	0.02	99.96	0.00
67	(66)	Armenia	19 400	0.01	99.97	0.00
68	(69)	Czech Republic	11 000	0.01	99.98	0.00
69	(68)	Tajikistan	8 339	0.01	99.99	0.00
70	(70)	Indonesia	8 000	0.00	99.99	0.00
71	(71)	Kenya	5 800	0.00	99.99	0.00
72	(72)	Paraguay	4 500	0.00	100.00	0.00
73	(73)	Honduras	2 600	0.00	100.00	0.00
74	(76)	Eritrea	1 000	0.00	100.00	0.00
75	(75)	Bolivia	650	0.00	100.00	0.00
Total			163 791 410	100.00	HHI	985

## Kaolin

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	United States	5 990 000	16.95	16.95	287.38
2	( 3)	India	4 770 000	13.50	30.45	182.24
3	( 4)	China	4 000 000	11.32	41.77	128.15
4	( 2)	Germany	3 733 714	10.57	52.34	111.66
5	( 5)	Czech Republic	3 454 000	9.78	62.11	95.55
6	( 7)	Turkey	1 887 302	5.34	67.46	28.53
7	( 8)	Ukraine	1 815 000	5.14	72.59	26.38
8	( 6)	Brazil	1 653 856	4.68	77.27	21.91
9	( 9)	United Kingdom	1 014 000	2.87	80.14	8.24
10	(10)	Iran	791 193	2.24	82.38	5.01
11	(11)	Indonesia	683 000	1.93	84.31	3.74
12	(12)	Vietnam	650 000	1.84	86.15	3.38
13	(16)	Spain	390 000	1.10	87.26	1.22
14	(13)	Mexico	366 049	1.04	88.29	1.07
15	(14)	Korea, South	356 866	1.01	89.30	1.02
16	(17)	Bulgaria	314 900	0.89	90.19	0.79
17	(18)	France	310 000	0.88	91.07	0.77
18	(15)	Italy	305 327	0.86	91.94	0.75
19	(19)	Egypt	300 000	0.85	92.79	0.72
20	(20)	Poland	286 650	0.81	93.60	0.66
21	(22)	Malaysia	261 574	0.74	94.34	0.55
22	(21)	Portugal	247 482	0.70	95.04	0.49
23	(23)	Kyrgyzstan	200 000	0.57	95.60	0.32
24	(24)	Algeria	180 000	0.51	96.11	0.26
25	(32)	Oman	169 500	0.48	96.59	0.23

**Abbreviations:** see Explanation

26	(25)	Australia	153 365	0.43	97.03	0.19
27	(27)	Saudi Arabia	111 000	0.31	97.34	0.10
28	(26)	Thailand	102 763	0.29	97.63	0.08
29	(29)	Jordan	100 000	0.28	97.91	0.08
30	(30)	Bosnia-Herzegovina	100 000	0.28	98.20	0.08
31	(28)	Nigeria	100 000	0.28	98.48	0.08
32	(31)	Serbia	70 000	0.20	98.68	0.04
33	(38)	Ecuador	63 829	0.18	98.86	0.03
34	(34)	Chile	60 000	0.17	99.03	0.03
35	(37)	Russia, Europe	50 000	0.14	99.17	0.02
36	(39)	Argentina	49 000	0.14	99.31	0.02
37	(42)	Peru	43 251	0.12	99.43	0.01
38	(36)	Uganda	34 697	0.10	99.53	0.01
39	(40)	Romania	31 000	0.09	99.62	0.01
40	(41)	South Africa	20 150	0.06	99.67	0.00
41	(43)	Pakistan	18 956	0.05	99.73	0.00
42	(35)	Sudan	14 490	0.04	99.77	0.00
43	(33)	New Zealand	13 659	0.04	99.81	0.00
44	(44)	Austria	12 668	0.04	99.84	0.00
45	(45)	Japan	12 000	0.03	99.88	0.00
46	(46)	Sri Lanka	12 000	0.03	99.91	0.00
47	(48)	Philippines	7 000	0.02	99.93	0.00
48	(47)	Paraguay	6 000	0.02	99.95	0.00
49	(49)	Slovakia	5 900	0.02	99.96	0.00
50	(50)	Tanzania	4 000	0.01	99.98	0.00
51	(51)	Ethiopia	3 500	0.01	99.99	0.00
52	(53)	Cuba	1 500	0.00	99.99	0.00
53	(54)	Guatemala	1 101	0.00	99.99	0.00
54	(55)	Kenya	1 100	0.00	100.00	0.00
55	(52)	Taiwan	1 000	0.00	100.00	0.00
56	(56)	Eritrea	200	0.00	100.00	0.00
Total			35 334 542	100.00	HHI	912

## Magnesite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	17 440 000	65.04	65.04	4 229.92
2	( 2)	Turkey	3 335 258	12.44	77.48	154.70
3	( 3)	Russia, Europe	1 170 000	4.36	81.84	19.04
4	( 4)	Slovakia	880 000	3.28	85.12	10.77
5	( 5)	Austria	702 504	2.62	87.74	6.86
6	( 7)	Australia	663 212	2.47	90.21	6.12
7	( 8)	Brazil	550 000	2.05	92.26	4.21
8	( 6)	Spain	464 691	1.73	94.00	3.00
9	( 9)	Greece	383 230	1.43	95.43	2.04
10	(10)	India	265 022	0.99	96.42	0.98
11	(12)	Iran	165 073	0.62	97.03	0.38
12	(11)	Korea, North	154 000	0.57	97.61	0.33
13	(13)	Canada	150 000	0.56	98.16	0.31
14	(14)	Russia, Asia	130 000	0.48	98.65	0.24
15	(15)	Mexico	101 000	0.38	99.03	0.14
16	(16)	Poland	96 000	0.36	99.38	0.13
17	(17)	Saudi Arabia	77 000	0.29	99.67	0.08

**Abbreviations:** see Explanation

18	(18)	Guatemala	25 000	0.09	99.76	0.01
19	(20)	Finland	22 390	0.08	99.85	0.01
20	(19)	Serbia	20 000	0.07	99.92	0.01
21	(21)	South Africa	10 000	0.04	99.96	0.00
22	(22)	Philippines	6 200	0.02	99.98	0.00
23	(23)	Pakistan	4 581	0.02	100.00	0.00
Total			26 815 161	100.00		HHI 4 439

## Perlite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Greece	890 670	35.89	35.89	1 288.41
2	( 2)	Turkey	843 242	33.98	69.88	1 154.85
3	( 3)	United States	459 000	18.50	88.38	342.17
4	( 7)	Iran	63 030	2.54	90.92	6.45
5	( 4)	Armenia	57 657	2.32	93.24	5.40
6	( 6)	Russia, Europe	45 000	1.81	95.05	3.29
7	( 8)	Hungary	31 275	1.26	96.31	1.59
8	(10)	Argentina	23 282	0.94	97.25	0.88
9	( 5)	Thailand	17 200	0.69	97.94	0.48
10	(12)	Slovakia	17 000	0.69	98.63	0.47
11	(11)	Philippines	17 000	0.69	99.31	0.47
12	( 9)	Mexico	13 000	0.52	99.84	0.27
13	(14)	Chile	3 000	0.12	99.96	0.01
14	(13)	South Africa	1 000	0.04	100.00	0.00
Total			2 481 356	100.00		HHI 2 805

## Phosphates (P<sub>2</sub>O<sub>5</sub>-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	42 611 100	51.76	51.76	2 679.36
2	( 2)	Morocco	8 388 700	10.19	61.95	103.84
3	( 3)	United States	7 710 000	9.37	71.32	87.72
4	( 4)	Russia, Europe	4 524 000	5.50	76.81	30.20
5	( 5)	Peru	4 241 420	5.15	81.97	26.55
6	( 7)	Jordan	2 667 520	3.24	85.21	10.50
7	( 6)	Brazil	2 167 000	2.63	87.84	6.93
8	( 8)	Egypt	1 401 000	1.70	89.54	2.90
9	(10)	Israel	1 192 600	1.45	90.99	2.10
10	( 9)	Tunisia	936 200	1.14	92.13	1.29
11	(11)	Vietnam	827 430	1.01	93.13	1.01
12	(12)	South Africa	648 300	0.79	93.92	0.62
13	(22)	Senegal	589 110	0.72	94.64	0.51
14	(13)	Mexico	578 830	0.70	95.34	0.49
15	(14)	Kazakhstan	548 500	0.67	96.01	0.44
16	(15)	Algeria	438 200	0.53	96.54	0.28
17	(17)	Togo	418 100	0.51	97.05	0.26

**Abbreviations:** see Explanation

18	(18)	Saudi Arabia	400 400	0.49	97.53	0.24
19	(21)	Finland	344 360	0.42	97.95	0.17
20	(20)	India	337 610	0.41	98.36	0.17
21	(16)	Australia	236 375	0.29	98.65	0.08
22	(19)	Syria	225 000	0.27	98.92	0.07
23	(23)	Turkey	214 000	0.26	99.18	0.07
24	(25)	Christmas Island	177 100	0.22	99.40	0.05
25	(26)	Uzbekistan	166 800	0.20	99.60	0.04
26	(27)	Korea, North	95 000	0.12	99.71	0.01
27	(29)	Iran	65 342	0.08	99.79	0.01
28	(24)	Tanzania	49 020	0.06	99.85	0.00
29	(28)	Nauru	45 700	0.06	99.91	0.00
30	(32)	Colombia	22 630	0.03	99.94	0.00
31	(31)	Sri Lanka	18 340	0.02	99.96	0.00
32	(33)	Pakistan	15 230	0.02	99.98	0.00
33	(34)	Venezuela	7 370	0.01	99.99	0.00
34	(35)	Chile	5 470	0.01	99.99	0.00
35	(36)	Philippines	4 500	0.01	100.00	0.00
36	(37)	Malawi	2 110	0.00	100.00	0.00

Total		82 320 367	100.00		HHI 2 956
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### Potash (K<sub>2</sub>O-Content)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Canada	11 419 865	29.16	29.16	850.14
2	( 2)	Russia, Europe	6 840 000	17.46	46.62	304.99
3	( 3)	Belarus	6 468 000	16.51	63.13	272.71
4	( 4)	China	4 200 000	10.72	73.86	114.99
5	( 5)	Germany	3 056 528	7.80	81.66	60.90
6	( 7)	Jordan	1 436 550	3.67	85.33	13.45
7	( 6)	Israel	1 281 000	3.27	88.60	10.70
8	( 8)	Chile	1 179 560	3.01	91.61	9.07
9	( 9)	United States	740 000	1.89	93.50	3.57
10	(10)	Spain	667 959	1.71	95.21	2.91
11	(12)	Iran	632 100	1.61	96.82	2.60
12	(11)	United Kingdom	610 000	1.56	98.38	2.43
13	(13)	Brazil	293 000	0.75	99.13	0.56
14	(14)	Laos	239 100	0.61	99.74	0.37
15	(15)	Uzbekistan	103 000	0.26	100.00	0.07
Total			39 166 662	100.00		HHI 1 649

### Salt

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	59 750 000	20.63	20.63	425.43
2	( 2)	United States	45 000 000	15.53	36.16	241.31
3	( 3)	India	27 000 000	9.32	45.48	86.87

**Abbreviations:** see Explanation

4	( 4)	Canada	14 286 111	4.93	50.41	24.32
5	( 6)	Germany	13 957 574	4.82	55.23	23.22
6	( 5)	Australia	11 903 561	4.11	59.34	16.89
7	( 7)	Chile	11 831 116	4.08	63.42	16.68
8	(12)	Turkey	10 994 822	3.80	67.22	14.41
9	( 8)	Mexico	9 718 027	3.35	70.57	11.25
10	( 9)	Brazil	7 500 000	2.59	73.16	6.70
11	(10)	Netherlands	6 742 969	2.33	75.49	5.42
12	(11)	France	6 000 000	2.07	77.56	4.29
13	(13)	United Kingdom	5 000 000	1.73	79.29	2.98
14	(17)	Iran	4 448 463	1.54	80.82	2.36
15	(15)	Spain	4 445 329	1.53	82.36	2.35
16	(14)	Russia, Europe	4 377 000	1.51	83.87	2.28
17	(16)	Poland	3 468 000	1.20	85.07	1.43
18	(18)	Bulgaria	3 100 000	1.07	86.14	1.15
19	(19)	Italy	3 030 687	1.05	87.18	1.09
20	(20)	Pakistan	2 404 116	0.83	88.01	0.69
21	(25)	Indonesia	2 186 600	0.75	88.77	0.57
22	(23)	Romania	2 180 000	0.75	89.52	0.57
23	(21)	Ukraine	2 137 000	0.74	90.26	0.54
24	(24)	Saudi Arabia	2 080 000	0.72	90.98	0.52
25	(26)	Belarus	2 000 000	0.69	91.67	0.48
26	(22)	Egypt	1 543 000	0.53	92.20	0.28
27	(28)	Argentina	1 500 000	0.52	92.72	0.27
28	(31)	Peru	1 471 131	0.51	93.22	0.26
29	(30)	Thailand	1 385 911	0.48	93.70	0.23
30	(27)	Bangladesh	1 282 000	0.44	94.15	0.20
31	(33)	Tunisia	1 280 000	0.44	94.59	0.20
32	(32)	Austria	1 002 356	0.35	94.93	0.12
33	(34)	Philippines	1 000 000	0.35	95.28	0.12
34	(36)	Vietnam	991 000	0.34	95.62	0.12
35	(29)	Bahamas	970 393	0.33	95.96	0.11
36	(35)	Japan	938 000	0.32	96.28	0.10
37	(37)	Bosnia-Herzegovina	866 195	0.30	96.58	0.09
38	(38)	Namibia	732 980	0.25	96.83	0.06
39	(39)	Venezuela	642 000	0.22	97.05	0.05
40	(41)	Kazakhstan	641 728	0.22	97.27	0.05
41	(40)	Denmark	600 000	0.21	97.48	0.04
42	(44)	South Africa	517 159	0.18	97.66	0.03
43	(43)	Korea, North	500 000	0.17	97.83	0.03
44	(45)	Israel	460 000	0.16	97.99	0.03
45	(48)	Switzerland	435 000	0.15	98.14	0.02
46	(47)	Morocco	430 000	0.15	98.29	0.02
47	(46)	Colombia	417 438	0.14	98.43	0.02
48	(42)	Botswana	404 295	0.14	98.57	0.02
49	(50)	Korea, South	342 844	0.12	98.69	0.01
50	(49)	Ethiopia	320 000	0.11	98.80	0.01
51	(51)	Cambodia	300 000	0.10	98.91	0.01
52	(54)	Cuba	284 900	0.10	99.00	0.01
53	(53)	Senegal	268 176	0.09	99.10	0.01
54	(52)	Ghana	250 000	0.09	99.18	0.01
55	(55)	Algeria	200 000	0.07	99.25	0.00
56	(57)	Iraq	180 000	0.06	99.31	0.00
57	(58)	Armenia	142 605	0.05	99.36	0.00
58	(56)	Myanmar	129 478	0.04	99.41	0.00
59	(59)	Greece	121 537	0.04	99.45	0.00
60	(60)	Mozambique	120 000	0.04	99.49	0.00
61	(**)	Croatia	111 978	0.04	99.53	0.00

**Abbreviations:** see Explanation

62	(63)	Turkmenistan	100 000	0.03	99.57	0.00
63	(62)	El Salvador	100 000	0.03	99.60	0.00
64	(72)	Tanzania	92 200	0.03	99.63	0.00
65	(64)	Afghanistan	88 183	0.03	99.66	0.00
66	(66)	Taiwan	82 000	0.03	99.69	0.00
67	(67)	Madagascar	80 000	0.03	99.72	0.00
68	(65)	Yemen	70 000	0.02	99.74	0.00
69	(69)	New Zealand	65 000	0.02	99.76	0.00
70	(71)	Nicaragua	55 000	0.02	99.78	0.00
71	(70)	Kuwait	55 000	0.02	99.80	0.00
72	(74)	Laos	50 000	0.02	99.82	0.00
73	(75)	Angola	47 845	0.02	99.84	0.00
74	(73)	Honduras	45 400	0.02	99.85	0.00
75	(77)	Azerbaijan	39 461	0.01	99.87	0.00
76	(78)	Tajikistan	35 554	0.01	99.88	0.00
77	(68)	Portugal	30 008	0.01	99.89	0.00
78	(80)	Libya	30 000	0.01	99.90	0.00
79	(79)	Syria	30 000	0.01	99.91	0.00
80	(61)	Sri Lanka	29 352	0.01	99.92	0.00
81	(81)	Eritrea	28 000	0.01	99.93	0.00
82	(84)	Dominican Republic	25 890	0.01	99.94	0.00
83	(76)	Sudan	23 434	0.01	99.95	0.00
84	(82)	Panama	23 294	0.01	99.95	0.00
85	(83)	Albania	22 100	0.01	99.96	0.00
86	(85)	Kenya	21 201	0.01	99.97	0.00
87	(86)	Lebanon	15 000	0.01	99.97	0.00
88	(87)	Jamaica	14 379	0.00	99.98	0.00
89	(88)	Serbia	13 202	0.00	99.98	0.00
90	(89)	Oman	12 600	0.00	99.99	0.00
91	(90)	Jordan	10 000	0.00	99.99	0.00
92	(93)	Iceland	5 000	0.00	99.99	0.00
93	(91)	Malta	5 000	0.00	99.99	0.00
94	(92)	Kyrgyzstan	4 744	0.00	100.00	0.00
95	(94)	Benin	4 000	0.00	100.00	0.00
96	(95)	Bolivia	2 216	0.00	100.00	0.00
97	(**)	Slovenia	2 191	0.00	100.00	0.00
98	(96)	Mongolia	1 686	0.00	100.00	0.00
99	(97)	Cape Verde	1 000	0.00	100.00	0.00
Total			289 683 419	100.00	HHI	896

## Sulfur

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	10 000 000	14.73	14.73	216.95
2	( 2)	United States	9 540 000	14.05	28.78	197.45
3	( 3)	Russia, Europe	6 720 000	9.90	38.68	97.97
4	( 4)	Canada	5 745 000	8.46	47.14	71.60
5	( 5)	Saudi Arabia	4 900 000	7.22	54.36	52.09
6	( 6)	Japan	3 233 300	4.76	59.12	22.68
7	( 7)	Kazakhstan	3 150 000	4.64	63.76	21.53
8	( 8)	India	2 741 100	4.04	67.80	16.30
9	(10)	Qatar	2 377 000	3.50	71.30	12.26
10	(11)	Iran	2 200 000	3.24	74.54	10.50

Abbreviations: see Explanation

11	( 9)	United Arab Emirates	2 000 000	2.95	77.49	8.68
12	(12)	Korea, South	1 960 000	2.89	80.37	8.33
13	(13)	Chile	1 488 300	2.19	82.56	4.81
14	(15)	Australia	900 000	1.33	83.89	1.76
15	(14)	Mexico	858 527	1.26	85.15	1.60
16	(16)	Finland	847 000	1.25	86.40	1.56
17	(17)	Kuwait	753 500	1.11	87.51	1.23
18	(19)	Italy	740 000	1.09	88.60	1.19
19	(18)	Venezuela	700 000	1.03	89.63	1.06
20	(22)	Poland	651 420	0.96	90.59	0.92
21	(20)	Germany	627 797	0.92	91.52	0.86
22	(26)	Turkmenistan	600 000	0.88	92.40	0.78
23	(25)	Peru	565 500	0.83	93.23	0.69
24	(24)	Indonesia	540 000	0.80	94.03	0.63
25	(23)	Brazil	530 000	0.78	94.81	0.61
26	(21)	Spain	520 000	0.77	95.58	0.59
27	(27)	France	380 000	0.56	96.14	0.31
28	(28)	Bulgaria	325 000	0.48	96.61	0.23
29	(30)	Zambia	300 000	0.44	97.06	0.20
30	(31)	South Africa	284 381	0.42	97.47	0.18
31	(29)	Jordan	254 900	0.38	97.85	0.14
32	(33)	Taiwan	200 000	0.29	98.14	0.09
33	(32)	Greece	155 000	0.23	98.37	0.05
34	(34)	United Kingdom	130 000	0.19	98.56	0.04
35	(35)	Bahrain	126 780	0.19	98.75	0.03
36	(37)	Ukraine	120 000	0.18	98.93	0.03
37	(36)	Norway	110 000	0.16	99.09	0.03
38	(50)	Denmark	93 024	0.14	99.23	0.02
39	(40)	Lithuania	84 000	0.12	99.35	0.02
40	(39)	Egypt	80 000	0.12	99.47	0.01
41	(38)	Turkey	78 600	0.12	99.58	0.01
42	(42)	Colombia	63 236	0.09	99.68	0.01
43	(41)	Libya	50 000	0.07	99.75	0.01
44	(44)	Oman	43 295	0.06	99.81	0.00
45	(43)	Korea, North	42 000	0.06	99.88	0.00
46	(45)	Iraq	40 000	0.06	99.94	0.00
47	(46)	Pakistan	19 730	0.03	99.96	0.00
48	(47)	Armenia	10 400	0.02	99.98	0.00
49	(48)	Austria	8 502	0.01	99.99	0.00
50	(49)	Algeria	5 000	0.01	100.00	0.00
Total			67 892 292	100.00	HHI	756

## Talc

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	2 200 000	28.46	28.46	810.05
2	( 2)	India	920 000	11.90	40.36	141.66
3	( 4)	Brazil	700 000	9.06	49.42	82.01
4	( 6)	United States	687 000	8.89	58.31	78.99
5	( 5)	Korea, South	603 231	7.80	66.11	60.90
6	( 7)	France	450 000	5.82	71.93	33.89
7	( 9)	Japan	375 000	4.85	76.78	23.54
8	( 8)	Finland	332 174	4.30	81.08	18.47

**Abbreviations:** see Explanation

9	(13)	Turkey	182 362	2.36	83.44	5.57
10	(14)	Canada	175 000	2.26	85.70	5.13
11	(10)	Italy	165 000	2.13	87.84	4.56
12	(19)	Iran	150 965	1.95	89.79	3.81
13	(11)	Austria	122 306	1.58	91.37	2.50
14	(15)	Pakistan	116 223	1.50	92.88	2.26
15	(12)	Australia	115 000	1.49	94.37	2.21
16	(17)	Russia, Europe	75 000	0.97	95.34	0.94
17	(16)	Russia, Asia	75 000	0.97	96.31	0.94
18	(21)	Peru	52 990	0.69	96.99	0.47
19	(18)	Thailand	52 268	0.68	97.67	0.46
20	(20)	Korea, North	50 000	0.65	98.32	0.42
21	(22)	Argentina	25 000	0.32	98.64	0.10
22	(23)	South Africa	21 298	0.28	98.91	0.08
23	( 3)	Mexico	20 452	0.26	99.18	0.07
24	(24)	Egypt	20 000	0.26	99.44	0.07
25	(25)	Portugal	11 204	0.14	99.58	0.02
26	(27)	Saudi Arabia	8 000	0.10	99.69	0.01
27	(26)	Bhutan	5 807	0.08	99.76	0.01
28	(29)	United Kingdom	5 000	0.06	99.83	0.00
29	(30)	Guatemala	3 779	0.05	99.87	0.00
30	(31)	Slovakia	3 300	0.04	99.92	0.00
31	(32)	Taiwan	3 000	0.04	99.96	0.00
32	(28)	Nepal	2 211	0.03	99.98	0.00
33	(33)	Macedonia	598	0.01	99.99	0.00
34	(34)	Uruguay	585	0.01	100.00	0.00
Total			7 729 753	100.00		HHI 1 279

## Vermiculite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	South Africa	138 290	31.09	31.09	966.43
2	( 2)	United States	100 000	22.48	53.57	505.35
3	( 3)	Brazil	70 000	15.74	69.30	247.62
4	( 4)	China	50 000	11.24	80.54	126.34
5	( 5)	Zimbabwe	30 350	6.82	87.37	46.55
6	( 7)	India	23 267	5.23	92.60	27.36
7	( 6)	Russia, Europe	21 000	4.72	97.32	22.29
8	( 8)	Japan	6 000	1.35	98.67	1.82
9	( 9)	Egypt	3 000	0.67	99.34	0.45
10	(11)	Iran	1 000	0.22	99.57	0.05
11	(10)	Uganda	801	0.18	99.75	0.03
12	(12)	Turkey	425	0.10	99.84	0.01
13	(13)	Kenya	410	0.09	99.93	0.01
14	(14)	Mexico	299	0.07	100.00	0.00
Total			444 842	100.00		HHI 1 944

**Abbreviations:** see Explanation

## Zircon

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Australia	687 326	44.70	44.70	1 998.52
2	( 2)	South Africa	397 420	25.85	70.55	668.16
3	( 3)	China	140 000	9.11	79.66	82.92
4	( 4)	United States	60 000	3.90	83.56	15.23
5	( 5)	Mozambique	51 800	3.37	86.93	11.35
6	(13)	Senegal	45 248	2.94	89.87	8.66
7	( 9)	Indonesia	30 900	2.01	91.88	4.04
8	( 6)	Ukraine	30 000	1.95	93.84	3.81
9	(11)	Kenya	25 951	1.69	95.52	2.85
10	( 8)	Brazil	24 000	1.56	97.08	2.44
11	( 7)	Madagascar	12 500	0.81	97.90	0.66
12	(12)	India	12 000	0.78	98.68	0.61
13	(14)	Russia, Europe	8 180	0.53	99.21	0.28
14	(10)	Vietnam	8 000	0.52	99.73	0.27
15	(17)	Turkey	1 500	0.10	99.83	0.01
16	(15)	Sierra Leone	1 389	0.09	99.92	0.01
17	(18)	Malaysia	650	0.04	99.96	0.00
18	(16)	Sri Lanka	614	0.04	100.00	0.00
Total			1 537 478	100.00		HHI 2 800

## 6.5.5 Mineral Fuels

### Steam Coal

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	2 749 125 000	48.85	48.85	2 386.14
2	( 2)	United States	690 006 000	12.26	61.11	150.32
3	( 3)	India	578 347 000	10.28	71.39	105.60
4	( 4)	Indonesia	466 539 000	8.29	79.67	68.72
5	( 6)	Australia	252 266 000	4.48	84.16	20.09
6	( 5)	South Africa	248 884 000	4.42	88.58	19.56
7	( 7)	Russia, Asia	215 500 000	3.83	92.41	14.66
8	( 8)	Kazakhstan	85 000 000	1.51	93.92	2.28
9	( 9)	Colombia	80 716 510	1.43	95.35	2.06
10	(10)	Poland	59 204 000	1.05	96.41	1.11
11	(11)	Vietnam	41 484 000	0.74	97.14	0.54
12	(13)	Korea, North	35 208 000	0.63	97.77	0.39
13	(14)	Canada	25 200 000	0.45	98.22	0.20
14	(12)	Ukraine	22 453 000	0.40	98.61	0.16
15	(17)	Mongolia	10 597 000	0.19	98.80	0.04
16	(16)	United Kingdom	8 526 000	0.15	98.95	0.02
17	(18)	Philippines	8 170 000	0.15	99.10	0.02
18	(15)	Mexico	7 245 472	0.13	99.23	0.02
19	(20)	Brazil	4 469 000	0.08	99.31	0.01
20	(22)	Czech Republic	3 884 180	0.07	99.38	0.00
21	(19)	Zimbabwe	3 873 000	0.07	99.45	0.00

**Abbreviations:** see Explanation

22	(23)	Pakistan	3 407 659	0.06	99.51	0.00
23	(21)	Chile	3 161 726	0.06	99.56	0.00
24	(24)	Germany	2 626 600	0.05	99.61	0.00
25	(25)	Malaysia	2 559 444	0.05	99.65	0.00
26	(29)	Turkey	2 188 000	0.04	99.69	0.00
27	(31)	Botswana	2 065 778	0.04	99.73	0.00
28	(27)	Mozambique	1 813 717	0.03	99.76	0.00
29	(30)	Korea, South	1 764 050	0.03	99.79	0.00
30	(28)	New Zealand	1 738 000	0.03	99.82	0.00
31	(26)	Spain	1 557 251	0.03	99.85	0.00
32	(33)	Afghanistan	1 364 800	0.02	99.88	0.00
33	(32)	Norway	1 203 382	0.02	99.90	0.00
34	(35)	Tajikistan	1 042 491	0.02	99.92	0.00
35	(36)	Venezuela	801 697	0.01	99.93	0.00
36	(34)	Bangladesh	675 775	0.01	99.94	0.00
37	(37)	Myanmar	535 000	0.01	99.95	0.00
38	(38)	Uzbekistan	412 000	0.01	99.96	0.00
39	(39)	Georgia	360 000	0.01	99.97	0.00
40	(43)	Tanzania	257 321	0.00	99.97	0.00
41	(44)	Peru	251 788	0.00	99.97	0.00
42	(41)	Kyrgyzstan	228 000	0.00	99.98	0.00
43	(42)	Niger	221 024	0.00	99.98	0.00
44	(47)	Iran	148 000	0.00	99.99	0.00
45	(48)	Nigeria	144 880	0.00	99.99	0.00
46	(45)	Swaziland	141 733	0.00	99.99	0.00
47	(50)	Laos	105 000	0.00	99.99	0.00
48	(46)	Zambia	103 439	0.00	99.99	0.00
49	(49)	Bhutan	85 164	0.00	100.00	0.00
50	(51)	Italy	73 000	0.00	100.00	0.00
51	(53)	Malawi	58 774	0.00	100.00	0.00
52	(52)	Argentina	48 000	0.00	100.00	0.00
53	(54)	Romania	47 000	0.00	100.00	0.00
54	(**)	Bulgaria	9 600	0.00	100.00	0.00
55	(55)	Nepal	1 189	0.00	100.00	0.00
Total			5 627 898 444	100.00	HHI 2 772	

## Coking Coal

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	China	611 051 000	55.55	55.55	3 085.59
2	( 2)	Australia	191 056 000	17.37	72.92	301.65
3	( 3)	Russia, Asia	82 900 000	7.54	80.45	56.79
4	( 5)	India	60 887 000	5.53	85.99	30.64
5	( 4)	United States	57 368 000	5.22	91.20	27.20
6	( 6)	Canada	26 000 000	2.36	93.57	5.59
7	( 7)	Kazakhstan	16 030 000	1.46	95.02	2.12
8	( 8)	Poland	12 915 000	1.17	96.20	1.38
9	(10)	Mongolia	7 853 000	0.71	96.91	0.51
10	( 9)	Ukraine	5 775 000	0.52	97.44	0.28
11	(11)	Colombia	4 823 870	0.44	97.87	0.19
12	(14)	Mozambique	4 786 612	0.44	98.31	0.19
13	(13)	Czech Republic	3 755 820	0.34	98.65	0.12
14	(12)	Germany	3 596 100	0.33	98.98	0.11

**Abbreviations:** see Explanation

15	(15)	South Africa	3 188 000	0.29	99.27	0.08
16	(18)	Indonesia	2 728 000	0.25	99.52	0.06
17	(16)	Mexico	1 778 725	0.16	99.68	0.03
18	(17)	New Zealand	1 334 000	0.12	99.80	0.01
19	(20)	Iran	952 000	0.09	99.89	0.01
20	(19)	Turkey	767 000	0.07	99.96	0.00
21	(21)	Zimbabwe	422 000	0.04	99.99	0.00
22	(22)	United Kingdom	72 000	0.01	100.00	0.00
Total			1 100 039 127	100.00	HHI 3 513	

## Lignite

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Germany	178 065 000	21.83	21.83	476.71
2	( 4)	Russia, Asia	66 240 000	8.12	29.96	65.97
3	( 6)	Australia	65 350 000	8.01	37.97	64.21
4	( 2)	United States	64 930 100	7.96	45.93	63.38
5	( 3)	Poland	63 135 000	7.74	53.67	59.93
6	( 5)	Turkey	50 444 000	6.19	59.86	38.26
7	( 7)	Greece	46 308 120	5.68	65.53	32.24
8	( 8)	India	43 843 000	5.38	70.91	28.90
9	( 9)	Czech Republic	38 251 000	4.69	75.60	22.00
10	(11)	Serbia	37 029 091	4.54	80.14	20.61
11	(10)	Bulgaria	33 773 000	4.14	84.28	17.15
12	(12)	Romania	25 492 000	3.13	87.41	9.77
13	(13)	Thailand	15 150 549	1.86	89.27	3.45
14	(14)	Bosnia-Herzegovina	12 172 292	1.49	90.76	2.23
15	(16)	Canada	10 487 000	1.29	92.04	1.65
16	(15)	Hungary	9 263 180	1.14	93.18	1.29
17	(17)	Kosovo	8 241 000	1.01	94.19	1.02
18	(19)	Russia, Europe	7 360 000	0.90	95.09	0.81
19	(18)	Kazakhstan	6 170 000	0.76	95.85	0.57
20	(20)	Macedonia	5 927 749	0.73	96.58	0.53
21	(21)	Mongolia	5 755 000	0.71	97.28	0.50
22	(22)	Uzbekistan	3 988 000	0.49	97.77	0.24
23	(23)	Korea, North	3 975 000	0.49	98.26	0.24
24	(24)	Brazil	3 560 000	0.44	98.69	0.19
25	(25)	Slovenia	3 168 001	0.39	99.08	0.15
26	(26)	Slovakia	1 941 007	0.24	99.32	0.06
27	(27)	Montenegro	1 734 769	0.21	99.53	0.05
28	(28)	Kyrgyzstan	1 641 000	0.20	99.74	0.04
29	(29)	Spain	1 318 625	0.16	99.90	0.03
30	(30)	New Zealand	324 086	0.04	99.94	0.00
31	(**)	Albania	276 000	0.03	99.97	0.00
32	(32)	Laos	200 000	0.02	99.99	0.00
33	(31)	Myanmar	42 000	0.01	100.00	0.00
Total			815 555 569	100.00	HHI 912	

**Abbreviations:** see Explanation

## Natural Gas

Rank 2015	Rank 2014	C o u n t r y	Production 2015 Mio m <sup>3</sup>	Share in %	Share cum. %	Share HHI
1	( 1)	United States	766 240	21.08	21.08	444.51
2	( 2)	Russia, Asia	603 725	16.61	37.70	275.95
3	( 3)	Iran	192 460	5.30	42.99	28.04
4	( 4)	Qatar	181 440	4.99	47.98	24.92
5	( 5)	Canada	163 530	4.50	52.48	20.25
6	( 6)	China	134 610	3.70	56.19	13.72
7	( 7)	Norway	117 152	3.22	59.41	10.39
8	( 8)	Saudi Arabia	104 450	2.87	62.28	8.26
9	( 9)	Algeria	84 583	2.33	64.61	5.42
10	(10)	Indonesia	75 740	2.08	66.70	4.34
11	(14)	Australia	72 751	2.00	68.70	4.01
12	(11)	Turkmenistan	72 400	1.99	70.69	3.97
13	(13)	Malaysia	63 425	1.75	72.43	3.05
14	(15)	Uzbekistan	58 780	1.62	74.05	2.62
15	(17)	United Arab Emirates	55 760	1.53	75.59	2.35
16	(16)	Mexico	53 210	1.46	77.05	2.14
17	(19)	Nigeria	52 700	1.45	78.50	2.10
18	(12)	Netherlands	51 237	1.41	79.91	1.99
19	(20)	Kazakhstan	45 713	1.26	81.17	1.58
20	(18)	Egypt	45 580	1.25	82.42	1.57
21	(21)	Pakistan	41 511	1.14	83.56	1.30
22	(24)	United Kingdom	41 280	1.14	84.70	1.29
23	(22)	Thailand	39 793	1.09	85.79	1.20
24	(23)	Trinidad and Tobago	39 617	1.09	86.88	1.19
25	(25)	Argentina	36 490	1.00	87.89	1.01
26	(28)	Oman	32 801	0.90	88.79	0.81
27	(29)	Venezuela	32 420	0.89	89.68	0.80
28	(27)	Russia, Europe	31 775	0.87	90.56	0.76
29	(26)	India	31 114	0.86	91.41	0.73
30	(31)	Bangladesh	25 264	0.70	92.11	0.48
31	(30)	Brazil	24 861	0.68	92.79	0.47
32	(32)	Bolivia	21 994	0.61	93.40	0.37
33	(33)	Ukraine	19 800	0.54	93.94	0.30
34	(34)	Azerbaijan	19 236	0.53	94.47	0.28
35	(35)	Myanmar	19 210	0.53	95.00	0.28
36	(36)	Kuwait	16 909	0.47	95.47	0.22
37	(37)	Bahrain	14 710	0.40	95.87	0.16
38	(41)	Libya	12 760	0.35	96.22	0.12
39	(40)	Brunei	12 700	0.35	96.57	0.12
40	(38)	Peru	12 495	0.34	96.92	0.12
41	(39)	Colombia	11 860	0.33	97.24	0.11
42	(42)	Romania	11 092	0.31	97.55	0.09
43	(43)	Vietnam	10 660	0.29	97.84	0.09
44	(44)	Germany	9 323	0.26	98.10	0.07
45	(46)	Israel	8 140	0.22	98.32	0.05
46	(47)	Italy	6 771	0.19	98.51	0.03
47	(48)	Poland	5 214	0.14	98.65	0.02
48	(51)	Mozambique	5 050	0.14	98.79	0.02
49	(49)	New Zealand	4 598	0.13	98.92	0.02
50	(52)	Denmark	4 520	0.12	99.04	0.02
51	(50)	Syria	4 360	0.12	99.16	0.01
52	(53)	Philippines	3 470	0.10	99.26	0.01

**Abbreviations:** see Explanation

53	(59)	Papua New Guinea	2 941	0.08	99.34	0.01
54	(45)	Yemen	2 854	0.08	99.42	0.01
55	(54)	Japan	2 734	0.08	99.49	0.01
56	(55)	Tunisia	2 529	0.07	99.56	0.00
57	(56)	Cote d'Ivoire	2 177	0.06	99.62	0.00
58	(57)	Hungary	1 887	0.05	99.67	0.00
59	(58)	Croatia	1 850	0.05	99.72	0.00
60	(62)	South Africa	1 312	0.04	99.76	0.00
61	(61)	Cuba	1 245	0.03	99.79	0.00
62	(60)	Austria	1 183	0.03	99.83	0.00
63	(63)	Chile	1 044	0.03	99.85	0.00
64	(64)	Iraq	1 030	0.03	99.88	0.00
65	(65)	Angola	650	0.02	99.90	0.00
66	(66)	Ecuador	497	0.01	99.91	0.00
67	(68)	Serbia	432	0.01	99.93	0.00
68	(67)	Turkey	399	0.01	99.94	0.00
69	(69)	Taiwan	374	0.01	99.95	0.00
70	(71)	Cameroon	360	0.01	99.96	0.00
71	(70)	Gabon	330	0.01	99.97	0.00
72	(72)	Belarus	225	0.01	99.97	0.00
73	(73)	Czech Republic	200	0.01	99.98	0.00
74	(75)	Afghanistan	146	0.00	99.98	0.00
75	(77)	Jordan	122	0.00	99.99	0.00
76	(76)	Ireland	120	0.00	99.99	0.00
77	(78)	Morocco	95	0.00	99.99	0.00
78	(79)	Slovakia	86	0.00	99.99	0.00
79	(74)	Bulgaria	85	0.00	100.00	0.00
80	(81)	Albania	34	0.00	100.00	0.00
81	(84)	France	30	0.00	100.00	0.00
82	(80)	Kyrgyzstan	28	0.00	100.00	0.00
83	(83)	Barbados	20	0.00	100.00	0.00
84	(82)	Spain	16	0.00	100.00	0.00
85	(87)	Tajikistan	4	0.00	100.00	0.00
86	(85)	Greece	4	0.00	100.00	0.00
87	(86)	Slovenia	3	0.00	100.00	0.00
Total			3 634 330	100.00		HHI 874

## Oil Shales

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Estonia	19 616 000	97.66	97.66	9 536.98
2	( 2)	Germany	468 470	2.33	99.99	5.44
3	( 3)	France	2 000	0.01	100.00	0.00
4	( 4)	Austria	68	0.00	100.00	0.00
Total			20 086 538	100.00		HHI 9 542

**Abbreviations:** see Explanation

## Petroleum

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Saudi Arabia	568 493 000	13.23	13.23	175.08
2	( 2)	United States	567 249 700	13.20	26.43	174.31
3	( 3)	Russia, Asia	352 143 860	8.20	34.63	67.18
4	( 4)	China	214 555 800	4.99	39.62	24.94
5	( 9)	Iraq	197 019 700	4.59	44.21	21.03
6	( 5)	Canada	193 153 200	4.50	48.71	20.21
7	( 7)	Iran	182 577 310	4.25	52.96	18.06
8	( 6)	Russia, Europe	181 407 440	4.22	57.18	17.83
9	( 8)	United Arab Emirates	175 456 400	4.08	61.26	16.68
10	(10)	Kuwait	142 363 300	3.31	64.57	10.98
11	(11)	Venezuela	135 194 160	3.15	67.72	9.90
12	(13)	Brazil	131 802 000	3.07	70.79	9.41
13	(12)	Mexico	127 576 930	2.97	73.76	8.82
14	(14)	Nigeria	105 500 000	2.46	76.21	6.03
15	(15)	Angola	88 701 200	2.06	78.28	4.26
16	(16)	Norway	84 089 700	1.96	80.24	3.83
17	(17)	Kazakhstan	79 452 900	1.85	82.08	3.42
18	(18)	Qatar	79 279 400	1.85	83.93	3.40
19	(19)	Algeria	67 064 000	1.56	85.49	2.44
20	(20)	Colombia	50 058 800	1.17	86.66	1.36
21	(21)	Oman	48 844 500	1.14	87.79	1.29
22	(23)	United Kingdom	45 698 100	1.06	88.86	1.13
23	(22)	Azerbaijan	41 628 300	0.97	89.83	0.94
24	(24)	Indonesia	39 121 400	0.91	90.74	0.83
25	(25)	India	36 951 000	0.86	91.60	0.74
26	(26)	Egypt	35 624 900	0.83	92.43	0.69
27	(27)	Malaysia	32 580 100	0.76	93.18	0.58
28	(28)	Argentina	29 353 100	0.68	93.87	0.47
29	(29)	Ecuador	27 038 000	0.63	94.50	0.40
30	(30)	Libya	20 204 600	0.47	94.97	0.22
31	(32)	Vietnam	18 746 000	0.44	95.40	0.19
32	(31)	Australia	18 482 800	0.43	95.83	0.19
33	(33)	Equatorial Guinea	14 392 000	0.33	96.17	0.11
34	(37)	Turkmenistan	12 723 740	0.30	96.46	0.09
35	(36)	Thailand	12 347 720	0.29	96.75	0.08
36	(34)	Congo, Rep.	12 139 600	0.28	97.03	0.08
37	(35)	Gabon	11 628 500	0.27	97.30	0.07
38	(39)	Denmark	7 689 812	0.18	97.48	0.03
39	(28)	Peru	7 438 300	0.17	97.66	0.03
40	(40)	South Sudan	7 277 200	0.17	97.83	0.03
41	(42)	Brunei	6 203 500	0.14	97.97	0.02
42	(45)	Chad	5 976 000	0.14	98.11	0.02
43	(44)	Ghana	5 558 600	0.13	98.24	0.02
44	(43)	Italy	5 470 000	0.13	98.37	0.02
45	(50)	Cameroon	4 770 500	0.11	98.48	0.01
46	(46)	Pakistan	4 538 165	0.11	98.58	0.01
47	(49)	Sudan	4 015 600	0.09	98.68	0.01
48	(47)	Romania	4 003 000	0.09	98.77	0.01
49	(48)	Trinidad and Tobago	3 917 069	0.09	98.86	0.01
50	(59)	Papua New Guinea	2 951 500	0.07	98.93	0.00
51	(52)	Cuba	2 800 000	0.07	98.99	0.00
52	(51)	Uzbekistan	2 760 000	0.06	99.06	0.00

**Abbreviations:** see Explanation

53	(41)	Yemen	2 543 000	0.06	99.12	0.00
54	(54)	Ukraine	2 533 000	0.06	99.18	0.00
55	(58)	Bahrain	2 518 200	0.06	99.24	0.00
56	(56)	Turkey	2 515 662	0.06	99.29	0.00
57	(55)	Bolivia	2 443 200	0.06	99.35	0.00
58	(53)	Tunisia	2 438 000	0.06	99.41	0.00
59	(57)	Germany	2 412 643	0.06	99.46	0.00
60	(61)	New Zealand	1 869 700	0.04	99.51	0.00
61	(60)	Netherlands	1 844 700	0.04	99.55	0.00
62	(62)	Belarus	1 645 000	0.04	99.59	0.00
63	(70)	Cote d'Ivoire	1 464 300	0.03	99.62	0.00
64	(63)	Syria	1 344 500	0.03	99.65	0.00
65	(64)	Albania	1 279 220	0.03	99.68	0.00
66	(67)	Mongolia	1 183 000	0.03	99.71	0.00
67	(66)	Congo, D.R.	1 124 940	0.03	99.74	0.00
68	(68)	Philippines	1 093 000	0.03	99.76	0.00
69	(65)	Serbia	1 050 000	0.02	99.79	0.00
70	(69)	Austria	905 931	0.02	99.81	0.00
71	(71)	Poland	898 870	0.02	99.83	0.00
72	(73)	Suriname	842 950	0.02	99.85	0.00
73	(75)	France	835 000	0.02	99.87	0.00
74	(72)	Niger	744 600	0.02	99.89	0.00
75	(74)	Myanmar	663 100	0.02	99.90	0.00
76	(78)	Croatia	657 550	0.02	99.92	0.00
77	(76)	Hungary	633 072	0.01	99.93	0.00
78	(77)	Japan	536 700	0.01	99.94	0.00
79	(79)	Guatemala	499 800	0.01	99.96	0.00
80	(81)	Bangladesh	417 400	0.01	99.97	0.00
81	(83)	Mauritania	263 700	0.01	99.97	0.00
82	(80)	Chile	257 100	0.01	99.98	0.00
83	(82)	Spain	229 568	0.01	99.98	0.00
84	(84)	Czech Republic	126 000	0.00	99.99	0.00
85	(87)	Kyrgyzstan	96 400	0.00	99.99	0.00
86	(86)	Lithuania	73 100	0.00	99.99	0.00
87	(88)	Greece	72 649	0.00	99.99	0.00
88	(85)	South Africa	70 978	0.00	99.99	0.00
89	(89)	Israel	64 000	0.00	99.99	0.00
90	(91)	Mozambique	63 720	0.00	100.00	0.00
91	(90)	Georgia	50 000	0.00	100.00	0.00
92	(92)	Barbados	34 030	0.00	100.00	0.00
93	(95)	Tajikistan	24 630	0.00	100.00	0.00
94	(94)	Bulgaria	23 700	0.00	100.00	0.00
95	(93)	Senegal	22 900	0.00	100.00	0.00
96	(96)	Slovakia	11 000	0.00	100.00	0.00
97	(97)	Taiwan	7 900	0.00	100.00	0.00
98	(98)	Morocco	4 998	0.00	100.00	0.00
99	(99)	Jordan	500	0.00	100.00	0.00
100	(100)	Slovenia	359	0.00	100.00	0.00
Total			4 296 446 676	100.00	HHI	608

**Abbreviations:** see Explanation

## Oil Sands (part of petroleum)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Canada	118 181 800	79.77	79.77	6 362.51
2	( 2)	Venezuela	29 980 000	20.23	100.00	409.44
		Total	148 161 800	100.00		HHI 6 772

## Uranium (U<sub>3</sub>O<sub>8</sub>)

Rank 2015	Rank 2014	C o u n t r y	Production 2015 metr. t	Share in %	Share cum. %	Share HHI
1	( 1)	Kazakhstan	28 072	38.69	38.69	1 496.72
2	( 2)	Canada	15 659	21.58	60.27	465.72
3	( 3)	Australia	6 668	9.19	69.46	84.45
4	( 4)	Niger	4 852	6.69	76.14	44.71
5	( 5)	Uzbekistan	4 100	5.65	81.79	31.93
6	( 7)	Russia, Asia	3 602	4.96	86.76	24.64
7	( 6)	Namibia	3 473	4.79	91.55	22.91
8	( 9)	China	1 906	2.63	94.17	6.90
9	( 8)	United States	1 481	2.04	96.21	4.17
10	(10)	Ukraine	1 415	1.95	98.16	3.80
11	(11)	South Africa	528	0.73	98.89	0.53
12	(12)	India	454	0.63	99.52	0.39
13	(14)	Czech Republic	158	0.22	99.73	0.05
14	(15)	Romania	91	0.13	99.86	0.02
15	(17)	Pakistan	53	0.07	99.93	0.01
16	(16)	Brazil	47	0.06	100.00	0.00
17	(19)	France	2	0.00	100.00	0.00
		Total	72 561	100.00		HHI 2 187



## 6.6 Production of Mineral Raw Materials of individual Countries, by Countries

### Afghanistan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium	(t)	2 730	2 520	2 500	2 200	2 500	-8.42	13.64
Baryte	(t)	2 000	0	0	0	0	-100.00	.
Fluorspar	(t)	0	0	0	2 000	2 000	.	0.00
Gypsum	(t)	62 000	65 000	65 000	57 000	57 000	-8.06	0.00
Salt	(t)	146 700	145 303	40 992	87 014	88 183	-39.89	1.34
Steam Coal	(t)	1 479 600	1 239 900	1 347 000	1 517 400	1 364 800	-7.76	-10.06
Nat. Gas (Mio m³)		161	160	155	142	146	-9.32	2.82
Total	(t)	1 821 830	1 580 723	1 579 492	1 779 214	1 631 283		

### Albania

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	3 200	0	0	0	0	-100.00	.
Chromium	(t)	152 300	156 600	228 900	309 900	184 700	21.27	-40.40
Nickel	(t)	3 640	750	2 020	5 350	6 280	72.53	17.38
Copper	(t)	4 860	5 680	5 920	3 690	2 190	-54.94	-40.65
Gypsum	(t)	93 000	91 000	112 000	109 000	110 000	18.28	0.92
Salt	(t)	25 000	25 000	30 575	24 700	22 100	-11.60	-10.53
Lignite	(t)	4 800	1 000	0	0	276 000	5 650.00	.
Nat. Gas (Mio m³)		17	16	18	31	34	100.00	9.68
Petroleum	(t)	894 500	1 030 720	1 206 600	1 368 200	1 279 220	43.01	-6.50
Total	(t)	1 194 900	1 323 550	1 600 415	1 845 640	1 907 690		

### Algeria

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	712 800	842 400	594 000	492 010	378 000	-46.97	-23.17
Gold	(kg)	449	323	140	85	80	-82.18	-5.88
Silver	(kg)	91	53	27	16	0	-100.00	-100.00
Baryte	(t)	30 208	30 587	23 686	56 829	32 020	6.00	-43.66
Bentonite	(t)	29 000	26 300	27 670	31 510	34 400	18.62	9.17
Diatomite	(t)	2 132	2 137	2 124	2 426	2 360	10.69	-2.72
Feldspar	(t)	148 000	264 000	290 000	230 372	230 000	55.41	-0.16

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gypsum	(t)	1 800 000	2 000 000	2 100 000	2 130 459	2 150 000	19.44	0.92
Kaolin	(t)	108 000	100 970	42 504	181 068	180 000	66.67	-0.59
Phosphates	(t)	437 500	425 100	391 000	482 100	438 200	0.16	-9.11
Salt	(t)	238 000	190 000	188 000	192 982	200 000	-15.97	3.64
Sulfur	(t)	16 200	10 400	8 400	5 800	5 000	-69.14	-13.79
Nat. Gas (Mio m³)		83 374	85 195	82 430	83 296	84 583	1.45	1.55
Petroleum	(t)	71 635 000	66 986 000	64 784 000	68 582 000	67 064 000	-6.38	-2.21
Total	(t)	141 856 040	139 033 894	134 395 384	139 024 356	138 380 380		

## Angola

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Diam. (Gem)	(ct)	7 495 666	7 497 896	8 424 423	7 912 206	8 114 709	8.26	2.56
Diam. (Ind)	(ct)	832 852	833 100	936 047	879 134	901 634	8.26	2.56
Gypsum	(t)	220 000	240 000	240 000	180 000	300 000	36.36	66.67
Salt	(t)	45 000	45 000	45 000	45 000	47 845	6.32	6.32
Nat. Gas (Mio m³)		730	740	910	720	650	-10.96	-9.72
Petroleum	(t)	83 795 000	86 878 000	87 308 100	83 022 700	88 701 200	5.86	6.84
Total	(t)	84 644 001	87 755 001	88 321 102	83 823 702	89 569 047		

## Argentina

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	205 650	332 470	298 190	224 840	206 060	0.20	-8.35
Molybdenum	(t)	854	1 617	1 915	954	869	1.76	-8.91
Aluminium	(t)	416 177	413 395	440 176	441 893	428 206	2.89	-3.10
Cadmium	(t)	31	37	28	30	39	25.81	30.00
Copper	(t)	116 700	135 700	109 600	102 574	61 811	-47.03	-39.74
Lead	(t)	26 074	26 475	28 673	29 911	26 000	-0.28	-13.08
Lithium	(t)	5 720	5 660	5 700	7 500	7 710	34.79	2.80
Mercury	(t)	31	37	28	25	25	-19.35	0.00
Zinc	(t)	38 000	42 000	47 700	44 000	33 800	-11.05	-23.18
Gold	(kg)	59 140	54 651	52 486	71 770	71 235	20.45	-0.75
Silver	(kg)	702 000	749 594	774 477	905 112	1 079 291	53.75	19.24
Baryte	(t)	4 980	9 345	25 744	14 365	11 017	121.22	-23.31
Bentonite	(t)	228 357	193 795	200 000	200 000	180 000	-21.18	-10.00
Boron	(t)	648 806	525 674	425 140	375 000	300 000	-53.76	-20.00
Diatomite	(t)	60 651	278 126	209 000	200 000	200 000	229.76	0.00
Feldspar	(t)	216 721	273 896	226 435	220 000	220 000	1.51	0.00
Fluorspar	(t)	25 099	35 874	37 967	35 000	35 000	39.45	0.00
Gypsum	(t)	1 452 797	1 432 517	1 550 000	1 500 000	1 500 000	3.25	0.00
Kaolin	(t)	54 166	66 574	67 000	40 000	49 000	-9.54	22.50
Perlite	(t)	27 446	24 663	24 737	22 680	23 282	-15.17	2.65

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Salt	(t)	1 888 676	1 843 975	1 652 000	1 500 000	1 500 000	-20.58	0.00
Talc	(t)	24 379	23 576	24 000	25 000	25 000	2.55	0.00
Vermiculite	(t)	1 000	320	0	0	0	-100.00	.
Steam Coal	(t)	90 000	95 000	83 000	83 000	48 000	-46.67	-42.17
Nat. Gas (Mio m³)		38 780	37 730	35 530	35 440	36 490	-5.91	2.96
Petroleum	(t)	30 911 100	30 757 200	29 766 300	29 337 000	29 353 100	-5.04	0.05
Total	(t)	67 468 176	66 702 731	63 648 159	62 756 749	63 402 069		

## Armenia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Molybdenum	(t)	4 636	5 253	5 723	5 796	5 131	10.68	-11.47
Bismuth	(t)	3	4	4	2	2	-33.33	0.00
Cadmium	(t)	0	43	41	43	40	.	-6.98
Copper	(t)	32 128	38 968	44 797	46 849	51 765	61.12	10.49
Rhenium	(kg)	254	293	298	351	104	-59.06	-70.37
Selenium	(t)	14	17	20	0	1	-92.86	.
Zinc	(t)	9 395	7 371	9 054	8 459	7 111	-24.31	-15.94
Gold	(kg)	2 147	1 941	2 324	2 845	2 805	30.65	-1.41
Silver	(kg)	19 001	16 667	18 179	18 374	18 350	-3.43	-0.13
Bentonite	(t)	5 004	7 491	18 456	3 640	9 228	84.41	153.52
Diatomite	(t)	29 232	29 148	19 376	20 439	18 915	-35.29	-7.46
Gypsum	(t)	34 027	30 446	28 700	22 317	19 400	-42.99	-13.07
Perlite	(t)	74 627	0	77 784	84 904	57 657	-22.74	-32.09
Salt	(t)	106 082	172 422	135 938	149 398	142 605	34.43	-4.55
Sulfur	(t)	33 700	42 900	51 000	10 300	10 400	-69.14	0.97
Total	(t)	328 869	334 082	390 913	352 168	322 276		

## Australia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	277 000 250	314 414 150	377 433 850	423 669 000	505 205 668	82.38	19.25
Chromium	(t)	66 100	138 500	94 200	10 519	0	-100.00	-100.00
Cobalt	(t)	4 254	5 880	6 855	6 252	6 030	41.75	-3.55
Manganese	(t)	2 854 876	2 891 668	2 975 678	3 049 987	2 452 118	-14.11	-19.60
Molybdenum	(t)				28	0	.	-100.00
Nickel	(t)	215 000	243 600	234 230	244 690	225 227	4.76	-7.95
Tantalum	(t)	7	0	0	0	20	185.71	.
Titanium	(t)	1 401 350	1 406 200	1 107 600	997 000	1 053 300	-24.84	5.65
Tungsten	(t)	15	290	320	477	348	2 220.00	-27.04
Vanadium	(t)		70	407	0	0	.	.
Aluminium	(t)	1 945 000	1 864 000	1 777 400	1 704 286	1 645 963	-15.37	-3.42
Antimony	(t)	1 576	2 481	3 275	3 828	3 712	135.53	-3.03
Bauxite	(t)	70 231 000	76 281 000	81 119 000	78 632 393	80 909 703	15.21	2.90

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Cadmium	(t)	390	380	380	380	380	-2.56	0.00
Copper	(t)	960 000	914 000	1 000 999	965 986	963 602	0.38	-0.25
Lead	(t)	620 000	622 000	711 210	727 954	653 488	5.40	-10.23
Lithium	(t)	21 050	27 120	21 000	22 200	24 140	14.68	8.74
Rare Earths	(t)	2 188	3 222	1 268	7 191	10 916	398.90	51.80
Tin	(t)	14 000	6 200	6 472	7 207	7 158	-48.87	-0.68
Zinc	(t)	1 515 000	1 541 000	1 523 465	1 554 738	1 583 316	4.51	1.84
Gold	(kg)	259 052	251 654	268 262	274 047	279 190	7.77	1.88
Palladium	(kg)	350	565	630	613	425	21.43	-30.67
Platinum	(kg)	91	141	156	153	108	18.68	-29.41
Silver	(kg)	1 725 000	1 769 789	1 839 783	1 846 847	1 373 798	-20.36	-25.61
Baryte	(t)	10 569	12 373	13 176	14 676	6 017	-43.07	-59.00
Bentonite	(t)	77 700	58 000	90 000	70 000	75 000	-3.47	7.14
Diam. (Gem)	(ct)	3 836 604	4 498 652	5 747 140	4 551 178	6 644 790	73.19	46.00
Diam. (Ind)	(ct)	3 993 201	4 682 271	5 981 717	4 736 940	6 916 005	73.19	46.00
Diatomite	(t)	20 000	20 000	9 238	12 000	15 000	-25.00	25.00
Feldspar	(t)	79 316	95 934	63 685	46 202	40 777	-48.59	-11.74
Gypsum	(t)	2 523 420	3 371 945	2 980 878	3 059 999	3 134 439	24.21	2.43
Kaolin	(t)	40 340	80 202	207 927	169 904	153 365	280.18	-9.73
Magnesite	(t)	645 972	592 800	507 367	590 955	663 212	2.67	12.23
Perlite	(t)	2 362	940	1 300	0	0	-100.00	.
Phosphates	(t)	572 700	547 400	474 790	448 500	236 375	-58.73	-47.30
Salt	(t)	12 846 973	13 263 665	13 503 221	13 573 324	11 903 561	-7.34	-12.30
Sulfur	(t)	860 000	860 000	860 000	900 000	900 000	4.65	0.00
Talc	(t)	120 000	83 402	105 000	120 000	115 000	-4.17	-4.17
Vermiculite	(t)	8 297	9 256	9 091	0	0	-100.00	.
Zircon	(t)	762 000	605 000	388 000	752 826	687 326	-9.80	-8.70
Steam Coal	(t)	197 688 000	215 765 000	236 601 000	247 956 000	252 266 000	27.61	1.74
Coking Coal	(t)	146 712 000	146 944 000	159 494 200	180 295 000	191 056 000	30.23	5.97
Lignite	(t)	66 730 000	66 730 000	73 000 000	60 700 000	65 350 000	-2.07	7.66
Nat. Gas (Mio m³)		45 581	54 347	61 293	64 774	72 751	59.61	12.32
Petroleum	(t)	23 612 900	23 257 920	19 572 500	20 989 200	18 482 800	-21.73	-11.94
Uranium	(t)	7 029	8 280	7 512	6 457	6 668	-5.14	3.27
Total	(t)	846 638 420	916 147 503	1 024 943 005	1 093 130 483	1 198 039 084		

## Austria

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	706 211	685 522	743 463	779 736	890 665	26.12	14.23
Tungsten	(t)	861	706	850	819	861	0.00	5.13
Feldspar	(t)	27 000	32 000	35 000	35 000	35 000	29.63	0.00
Graphite	(t)	925	219	200	150	150	-83.78	0.00
Gypsum	(t)	815 438	791 961	635 299	729 892	715 195	-12.29	-2.01
Kaolin	(t)	18 897	13 497	11 558	14 343	12 668	-32.96	-11.68
Magnesite	(t)	867 912	778 810	714 422	754 096	702 504	-19.06	-6.84
Salt	(t)	1 142 860	958 187	1 115 410	1 154 309	1 002 356	-12.29	-13.16
Sulfur	(t)	9 669	10 329	9 789	8 280	8 502	-12.07	2.68
Talc	(t)	132 018	134 665	134 814	131 108	122 306	-7.36	-6.71

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Nat. Gas (Mio m³)		1 591	1 729	1 359	1 245	1 183	-25.64	-4.98
Oil shales (t)		132	540	173	203	68	-48.48	-66.50
Petroleum (t)		919 437	917 349	917 148	944 831	905 931	-1.47	-4.12
Total (t)		5 914 160	5 706 985	5 405 326	5 548 767	5 342 606		

## Azerbaijan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron (t)		90 006	87 066	59 388	38 390	53 590	-40.46	39.59
Aluminium (t)		740	54 200	53 900	50 400	58 200	7 764.86	15.48
Copper (t)		611	502	327	784	969	58.59	23.60
Gold (kg)		1 775	1 563	1 619	1 875	2 240	26.20	19.47
Silver (kg)		5 391	3 679	2 049	970	890	-83.49	-8.25
Bentonite (t)		20 700	36 700	97 700	81 900	56 800	174.40	-30.65
Gypsum (t)		100 800	150 500	249 800	222 700	196 500	94.94	-11.76
Salt (t)		20 941	28 550	32 021	35 156	39 461	88.44	12.25
Nat. Gas (Mio m³)		16 361	17 242	17 895	18 827	19 236	17.57	2.17
Petroleum (t)		45 626 000	43 375 000	43 457 000	42 076 000	41 628 300	-8.76	-1.06
Total (t)		58 948 605	57 526 124	58 266 140	57 566 933	57 422 623		

## Bahamas

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Salt (t)		713 138	659 671	956 789	1 495 158	970 393	36.07	-35.10
Total (t)		713 138	659 671	956 789	1 495 158	970 393		

## Bahrain

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium (t)		881 300	890 217	912 700	931 427	960 643	9.00	3.14
Sulfur (t)		134 800	126 500	131 100	133 650	126 780	-5.95	-5.14
Nat. Gas (Mio m³)		12 650	12 420	13 640	14 770	14 710	16.28	-0.41
Petroleum (t)		2 116 400	2 261 000	2 384 100	2 428 600	2 518 200	18.99	3.69
Total (t)		13 252 500	13 213 717	14 339 900	15 309 677	15 373 623		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Bangladesh

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Salt	(t)	1 168 000	1 634 000	1 753 000	1 627 000	1 282 000	9.76	-21.20
Steam Coal	(t)	666 635	835 000	854 804	947 125	675 775	1.37	-28.65
Nat. Gas (Mio m³)		20 074	21 056	22 670	23 223	25 264	25.85	8.79
Petroleum	(t)	283 780	250 000	264 600	321 000	417 400	47.09	30.03
Total	(t)	18 177 615	19 563 800	21 008 404	21 473 525	22 586 375		

## Barbados

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Nat. Gas (Mio m³)		20	23	21	21	20	0.00	-4.76
Petroleum	(t)	39 930	37 140	34 710	31 960	34 030	-14.78	6.48
Total	(t)	55 930	55 540	51 510	48 760	50 030		

## Belarus

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Potash	(t)	5 306 000	4 831 000	4 242 700	6 340 000	6 468 000	21.90	2.02
Salt	(t)	2 576 330	2 176 650	2 600 000	1 800 000	2 000 000	-22.37	11.11
Nat. Gas (Mio m³)		222	218	228	222	225	1.35	1.35
Petroleum	(t)	1 681 000	1 660 000	1 645 000	1 645 000	1 645 000	-2.14	0.00
Total	(t)	9 740 930	8 842 050	8 670 100	9 962 600	10 293 000		

## Belgium

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Arsenic	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Selenium	(t)	200	200	200	200	200	0.00	0.00
Total	(t)	1 200	1 200	1 200	1 200	1 200		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Benin

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	20	30	30	30	30	50.00	0.00
Salt	(t)	15 000	4 800	4 800	4 000	4 000	-73.33	0.00
Total	(t)	15 000	4 800	4 800	4 000	4 000		

## Bhutan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	0	2 400	13 100	12 200	27 650	.	126.64
Gypsum	(t)	352 234	313 173	351 421	414 148	389 365	10.54	-5.98
Talc	(t)	8 562	16 063	9 584	12 601	5 807	-32.18	-53.92
Steam Coal	(t)	108 904	98 731	77 744	121 891	85 164	-21.80	-30.13
Total	(t)	469 700	430 367	451 849	560 840	507 986		

## Bolivia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Tantalum	(t)	5	13	14	7	1	-80.00	-85.71
Tungsten	(t)	1 124	1 247	1 253	1 251	1 461	29.98	16.79
Antimony	(t)	3 947	5 081	5 053	4 186	3 843	-2.63	-8.19
Arsenic	(t)	99	103	120	52	38	-61.62	-26.92
Bismuth	(t)	21	8	10	11	20	-4.76	81.82
Copper	(t)	4 176	8 653	7 549	10 746	9 479	126.99	-11.79
Lead	(t)	100 021	81 095	82 131	75 572	75 273	-24.74	-0.40
Tin	(t)	20 373	19 702	19 287	19 791	20 135	-1.17	1.74
Zinc	(t)	425 783	389 911	407 332	448 970	442 154	3.84	-1.52
Gold	(kg)	6 487	27 488	18 127	24 803	13 000	100.40	-47.59
Silver	(kg)	1 214 000	1 205 804	1 287 200	1 345 022	1 306 000	7.58	-2.90
Baryte	(t)	21 297	21 157	30 476	26 240	46 732	119.43	78.09
Bentonite	(t)	500	747	182	886	1 023	104.60	15.46
Boron	(t)	135 000	127 638	157 338	151 799	148 738	10.18	-2.02
Gypsum	(t)	600	645	1 223	1 464	650	8.33	-55.60
Salt	(t)	1 300	1 905	2 262	2 419	2 216	70.46	-8.39
Nat. Gas (Mio m³)		16 451	18 655	21 269	22 385	21 994	33.69	-1.75
Petroleum	(t)	2 485 400	2 555 700	2 940 200	2 543 100	2 443 200	-1.70	-3.93
Total	(t)	16 361 667	18 138 838	20 670 935	21 195 864	20 791 482		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Bosnia-Herzegovina

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	1 367 490	1 058 620	1 492 840	1 499 950	1 082 630	-20.83	-27.82
Manganese	(t)	0	0	2 330	14 176	3 200	.	-77.43
Aluminium	(t)	163 654	159 660	157 082	131 238	118 253	-27.74	-9.89
Bauxite	(t)	685 949	800 316	657 115	620 308	787 409	14.79	26.94
Lead	(t)	3 994	3 330	6 222	5 960	6 210	55.48	4.19
Zinc	(t)	5 695	6 000	8 978	8 600	8 960	57.33	4.19
Baryte	(t)	13	0	0	0	0	-100.00	.
Bentonite	(t)	17 662	18 000	18 808	27 285	30 000	69.86	9.95
Gypsum	(t)	90 642	73 365	68 550	88 977	58 800	-35.13	-33.92
Kaolin	(t)	120 796	149 495	96 563	98 325	100 000	-17.22	1.70
Magnesite	(t)	900	900	0	0	0	-100.00	.
Salt	(t)	715 972	743 807	727 894	819 327	866 195	20.98	5.72
Lignite	(t)	13 348 646	12 311 623	10 343 680	11 750 901	12 172 292	-8.81	3.59
Total	(t)	16 521 413	15 325 116	13 580 062	15 065 047	15 233 949		

## Botswana

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Cobalt	(t)	149	195	248	196	316	112.08	61.22
Nickel	(t)	15 675	17 948	22 848	14 958	16 789	7.11	12.24
Copper	(t)	31 926	35 770	51 300	47 700	22 284	-30.20	-53.28
Gold	(kg)	1 562	1 377	1 206	958	756	-51.60	-21.09
Palladium	(kg)	2 115	2 582	1 337	560	156	-92.62	-72.14
Platinum	(kg)	373	435	218	124	31	-91.69	-75.00
Silver	(kg)		8 670	22 597	22 328	2 800	.	-87.46
Diam. (Gem)	(ct)	16 033 188	14 433 300	15 885 100	17 260 600	14 576 800	-9.08	-15.55
Diam. (Ind)	(ct)	6 871 366	6 185 700	6 807 900	7 397 400	6 247 200	-9.08	-15.55
Salt	(t)	446 525	367 749	521 306	515 311	404 295	-9.46	-21.54
Steam Coal	(t)	740 270	1 454 724	1 495 653	1 711 555	2 065 778	179.06	20.70
Total	(t)	1 234 553	1 876 403	2 091 384	2 289 748	2 509 470		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Brazil

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	257 550 800	258 129 700	245 667 800	261 101 100	275 589 840	7.00	5.55
Chromium	(t)	211 580	184 275	189 521	244 622	265 200	25.34	8.41
Cobalt	(t)	3 623	2 900	3 500	3 828	3 800	4.89	-0.73
Manganese	(t)	1 139 000	1 164 000	1 180 000	1 094 000	1 226 458	7.68	12.11
Nickel	(t)	74 000	89 600	77 400	85 600	89 302	20.68	4.32
Niobium	(t)	64 657	82 214	76 899	88 771	84 189	30.21	-5.16
Tantalum	(t)	136	118	185	118	120	-11.76	1.69
Titanium	(t)	40 075	39 780	44 970	46 445	47 000	17.28	1.19
Tungsten	(t)	244	381	494	510	500	104.92	-1.96
Vanadium	(t)				1 032	5 810	.	462.98
Aluminium	(t)	1 440 000	1 436 400	1 304 300	962 000	772 200	-46.38	-19.73
Bauxite	(t)	31 768 000	34 987 800	33 896 100	36 308 000	37 057 000	16.65	2.06
Cadmium	(t)	200	200	200	200	200	0.00	0.00
Copper	(t)	213 760	223 141	270 979	301 197	359 463	68.16	19.34
Lead	(t)	8 545	8 922	8 020	10 978	9 400	10.01	-14.37
Lithium	(t)	336	390	416	452	450	33.93	-0.44
Rare Earths	(t)	290	206	600	0	880	203.45	.
Tin	(t)	10 725	13 667	16 830	25 534	18 824	75.52	-26.28
Zinc	(t)	197 840	164 258	152 147	169 766	160 000	-19.13	-5.75
Gold	(kg)	65 209	66 773	79 563	81 038	83 127	27.48	2.58
Silver	(kg)	15 238	20 145	22 427	25 381	25 000	64.06	-1.50
Asbestos	(t)	306 320	304 569	290 825	311 227	310 000	1.20	-0.39
Baryte	(t)	216 478	186 134	34 943	3 389	3 000	-98.61	-11.48
Bentonite	(t)	294 782	286 016	305 746	344 611	340 000	15.34	-1.34
Diam. (Gem)	(ct)	15 024	16 247	16 225	18 785	10 503	-30.09	-44.09
Diam. (Ind)	(ct)	30 502	32 987	32 941	38 138	21 323	-30.09	-44.09
Diatomite	(t)	4 415	3 427	1 947	5 080	5 000	13.25	-1.57
Feldspar	(t)	333 352	247 152	294 357	417 771	400 000	19.99	-4.25
Fluorspar	(t)	25 040	24 148	27 712	23 849	24 000	-4.15	0.63
Graphite	(t)	105 188	88 110	91 908	87 026	75 073	-28.63	-13.73
Gypsum	(t)	3 228 931	3 749 860	3 332 991	3 447 012	3 450 000	6.85	0.09
Kaolin	(t)	1 927 000	2 388 000	2 139 000	2 055 000	1 653 856	-14.17	-19.52
Magnesite	(t)	476 805	479 304	557 431	550 000	550 000	15.35	0.00
Phosphates	(t)	2 374 000	2 388 000	2 504 000	2 521 000	2 167 000	-8.72	-14.04
Potash	(t)	395 002	346 509	310 892	311 021	293 000	-25.82	-5.79
Salt	(t)	6 165 000	7 481 870	7 275 453	7 501 051	7 500 000	21.65	-0.01
Sulfur	(t)	510 000	519 000	560 000	550 000	530 000	3.92	-3.64
Talc	(t)	443 533	459 539	592 844	644 478	700 000	57.82	8.62
Vermiculite	(t)	54 970	51 986	60 379	56 444	70 000	27.34	24.02
Zircon	(t)	23 283	20 425	24 687	23 659	24 000	3.08	1.44
Steam Coal	(t)	3 369 000	3 446 000	4 949 000	4 515 000	4 469 000	32.65	-1.02
Lignite	(t)	2 136 000	3 170 000	3 645 000	3 422 000	3 560 000	66.67	4.03
Nat. Gas (Mio m³)		16 740	19 270	22 988	24 536	24 861	48.51	1.32
Petroleum	(t)	114 062 500	112 063 500	109 811 300	122 109 000	131 802 000	15.55	7.94
Uranium	(t)	312	384	226	65	47	-84.94	-27.69
Total	(t)	442 567 802	449 647 972	438 091 504	468 971 742	493 505 520		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Brunei

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Nat. Gas (Mio m³)		12 799	12 565	12 206	11 850	12 700	-0.77	7.17
Petroleum	(t)	8 112 000	7 817 500	6 606 500	6 181 400	6 203 500	-23.53	0.36
Total	(t)	18 351 200	17 869 500	16 371 300	15 661 400	16 363 500		

## Bulgaria

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	41 600	10 792	28 650	25 830	13 470	-67.62	-47.85
Cadmium	(t)	428	394	382	385	356	-16.82	-7.53
Copper	(t)	114 600	107 328	115 450	115 540	112 600	-1.75	-2.54
Lead	(t)	14 400	14 764	16 940	17 020	18 370	27.57	7.93
Zinc	(t)	11 000	13 411	13 910	13 070	16 390	49.00	25.40
Gold	(kg)	5 302	6 100	7 390	6 810	7 930	49.57	16.45
Silver	(kg)	55 000	55 100	55 000	13 130	14 000	-74.55	6.63
Bentonite	(t)	53 900	110 000	0	41 100	61 600	14.29	49.88
Fluorspar	(t)	31 800	69 700	82 500	130 800	131 900	314.78	0.84
Gypsum	(t)	114 800	113 700	119 100	87 800	108 600	-5.40	23.69
Kaolin	(t)	200 000	252 100	281 600	321 700	314 900	57.45	-2.11
Salt	(t)	2 200 000	2 100 000	2 000 000	3 300 000	3 100 000	40.91	-6.06
Sulfur	(t)	325 000	325 000	325 000	325 000	325 000	0.00	0.00
Steam Coal	(t)	14 100	7 200	23 400	0	9 600	-31.91	.
Lignite	(t)	36 800 000	33 340 700	28 631 300	31 435 100	33 773 000	-8.23	7.44
Nat. Gas (Mio m³)		443	390	282	183	85	-80.81	-53.55
Petroleum	(t)	22 000	22 900	26 900	26 200	23 700	7.73	-9.54
Total	(t)	40 298 088	36 800 050	31 890 794	35 985 965	38 077 508		

## Burkina Faso

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	22 372	0	0	0	0	-100.00	.
Lead	(t)			1 017	1 880	2 000	.	6.38
Zinc	(t)			32 215	67 680	68 670	.	1.46
Gold	(kg)	32 600	30 169	32 959	36 499	36 350	11.50	-0.41
Phosphates	(t)	650	650	650	0	0	-100.00	.
Total	(t)	23 055	680	33 915	69 596	70 706		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Burundi

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Niobium	(t)	38	62	11	25	13	-65.79	-48.00
Tantalum	(t)	56	91	16	37	19	-66.07	-48.65
Tungsten	(t)	280	200	39	27	11	-96.07	-59.26
Tin	(t)	16	53	56	81	55	243.75	-32.10
Gold	(kg)	1 052	2 046	2 823	650	549	-47.81	-15.54
Total	(t)	391	408	125	171	99		

## Cambodia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Salt	(t)	100 000	80 000	147 000	270 000	300 000	200.00	11.11
Total	(t)	100 000	80 000	147 000	270 000	300 000		

## Cameroon

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	69 000	52 000	75 000	93 000	65 000	-5.80	-30.11
Gold	(kg)	600	225	480	517	250	-58.33	-51.64
Diam. (Ind)	(ct)			2 723	3 718	2 245	.	-39.62
Nat. Gas (Mio m³)			0	150	310	360	.	16.13
Petroleum	(t)	3 147 900	3 052 100	3 311 200	3 751 100	4 770 500	51.55	27.18
Total	(t)	3 216 901	3 104 100	3 506 200	4 092 101	5 123 500		

## Canada

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	21 780 100	23 724 100	25 658 400	26 335 400	25 975 400	19.26	-1.37
Cobalt	(t)	6 836	6 676	7 168	6 574	6 904	0.99	5.02
Molybdenum	(t)	8 326	8 936	7 956	9 358	2 330	-72.02	-75.10
Nickel	(t)	219 025	211 700	227 743	228 867	234 936	7.26	2.65
Niobium	(t)	4 551	4 705	4 916	5 774	5 385	18.33	-6.74
Tantalum	(t)	0	0	40	0	0	.	.
Titanium	(t)	1 100 000	1 000 000	832 000	771 000	750 000	-31.82	-2.72
Tungsten	(t)	1 956	2 025	2 392	2 147	1 815	-7.21	-15.46

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Aluminium	(t)	2 987 964	2 780 556	2 967 364	2 858 237	2 880 035	-3.61	0.76
Antimony	(t)	68	63	177	4	1	-98.53	-75.00
Bismuth	(t)	136	110	35	4	2	-98.53	-50.00
Cadmium	(t)	1 240	1 286	1 313	1 187	1 159	-6.53	-2.36
Copper	(t)	568 779	580 082	652 595	672 729	697 238	22.59	3.64
Lead	(t)	67 505	62 014	20 678	3 617	253	-99.63	-93.01
Selenium	(t)	128	145	138	142	156	21.88	9.86
Tellurium	(t)	6	10	12	9	10	66.67	11.11
Zinc	(t)	622 600	641 100	426 545	352 125	276 519	-55.59	-21.47
Gold	(kg)	102 624	107 486	133 636	152 460	159 040	54.97	4.32
Palladium	(kg)	14 300	15 520	16 350	22 000	21 700	51.75	-1.36
Platinum	(kg)	8 000	6 570	8 000	8 700	8 500	6.25	-2.30
Rhodium	(kg)	357	400	470	550	530	48.46	-3.64
Silver	(kg)	661 089	685 255	640 362	495 403	379 860	-42.54	-23.32
Asbestos	(t)	50 000	0	0	0	0	-100.00	.
Baryte	(t)	22 000	22 000	22 000	22 000	30 000	36.36	36.36
Diam. (Gem)	(ct)	10 752 002	10 529 000	10 599 660	12 011 619	11 677 471	8.61	-2.78
Graphite	(t)	20 000	25 000	30 000	30 000	30 000	50.00	0.00
Gypsum	(t)	2 449 449	2 550 000	2 654 000	1 792 709	1 727 870	-29.46	-3.62
Magnesite	(t)	150 000	150 000	150 000	150 000	150 000	0.00	0.00
Potash	(t)	10 686 000	8 976 000	10 196 090	10 817 955	11 419 865	6.87	5.56
Salt	(t)	12 603 074	10 852 635	12 209 108	14 161 562	14 286 111	13.35	0.88
Sulfur	(t)	6 608 000	6 259 000	6 301 000	5 842 000	5 745 000	-13.06	-1.66
Talc	(t)	116 000	130 000	175 000	90 000	175 000	50.86	94.44
Steam Coal	(t)	27 931 000	25 914 000	25 876 000	28 966 000	25 200 000	-9.78	-13.00
Coking Coal	(t)	29 452 000	31 086 000	34 063 000	31 950 000	26 000 000	-11.72	-18.62
Lignite	(t)	9 731 000	9 496 000	8 969 000	8 100 000	10 487 000	7.77	29.47
Nat. Gas (Mio m³)		159 720	155 730	156 080	162 040	163 530	2.39	0.92
Oilsands*	(t)	80 590 200	88 880 300	96 621 200	107 716 400	118 181 800	46.65	9.72
Petroleum	(t)	151 495 300	162 463 500	174 123 000	188 040 000	193 153 200	27.50	2.72
Uranium	(t)	10 632	11 226	11 003	11 533	15 659	47.28	35.78

Total (t) 406 470 462 411 543 687 430 453 473 450 853 614 450 076 421

\*as part of petroleum

## Cape Verde

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Salt	(t)	1 600	1 000	1 000	1 000	1 000	-37.50	0.00
Total	(t)	1 600	1 000	1 000	1 000	1 000		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Central African Republic

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	53	55	55	55	55	3.77	0.00
Diam. (Gem)	(ct)	258 861	292 734	0	0	0	-100.00	.
Diam. (Ind)	(ct)	64 715	73 183	0	0	0	-100.00	.
Total	(t)	0	0	0	0	0		

## Chad

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Petroleum	(t)	5 971 220	5 478 000	4 830 600	4 980 000	5 976 000	0.08	20.00
Total	(t)	5 971 220	5 478 000	4 830 600	4 980 000	5 976 000		

## Chile

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	7 747 000	9 429 000	9 088 000	9 427 640	9 147 839	18.08	-2.97
Molybdenum	(t)	40 889	35 090	38 715	48 770	52 579	28.59	7.81
Copper	(t)	5 262 800	5 433 900	5 776 000	5 749 600	5 764 000	9.52	0.25
Lead	(t)	841	410	1 829	2 678	2 979	254.22	11.24
Lithium	(t)	27 680	28 490	24 130	24 820	22 500	-18.71	-9.35
Mercury	(t)	89	49	19	20	14	-84.27	-30.00
Rhenium	(kg)	23 008	25 038	17 364	18 057	22 535	-2.06	24.80
Selenium	(t)	90	70	41	0	0	-100.00	.
Zinc	(t)	36 602	26 762	29 759	45 094	48 071	31.33	6.60
Gold	(kg)	45 137	49 936	51 309	46 031	42 501	-5.84	-7.67
Silver	(kg)	1 291 272	1 194 521	1 173 845	1 571 788	1 504 271	16.50	-4.30
Bentonite	(t)	1 255	893	358	1 083	1 434	14.26	32.41
Boron	(t)	491 421	449 572	582 074	496 533	517 584	5.32	4.24
Diatomite	(t)	22 938	23 021	27 092	31 000	26 186	14.16	-15.53
Feldspar	(t)	7 563	6 399	3 874	4 233	6 577	-13.04	55.37
Gypsum	(t)	917 759	799 064	1 015 158	843 490	860 075	-6.29	1.97
Kaolin	(t)	59 912	60 429	60 000	60 000	60 000	0.15	0.00
Perlite	(t)			4 800	800	3 000	.	275.00
Phosphates	(t)	4 460	4 370	4 190	6 400	5 470	22.65	-14.53
Potash	(t)	861 240	1 052 500	1 193 390	1 167 980	1 179 560	36.96	0.99
Salt	(t)	9 966 038	8 057 130	6 576 960	10 553 440	11 831 116	18.71	12.11
Sulfur	(t)	1 606 600	1 531 000	1 474 400	1 513 900	1 488 300	-7.36	-1.69
Talc	(t)	349	730	0	0	0	-100.00	.

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Steam Coal	(t)	654 102	711 714	2 902 444	4 168 185	3 161 726	383.37	-24.15
Nat. Gas (Mio m³)		1 440	1 207	893	907	1 044	-27.50	15.10
Petroleum	(t)	249 188	324 401	361 290	357 540	257 100	3.18	-28.09
Total	(t)	29 112 175	28 941 864	29 880 165	35 230 442	35 272 880		

## China

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	358 778 300	353 602 000	391 773 000	404 379 000	371 250 000	3.48	-8.19
Chromium	(t)	85 800	85 800	86 000	86 000	90 000	4.90	4.65
Cobalt	(t)	6 843	7 498	8 580	8 500	8 500	24.21	0.00
Manganese	(t)	4 140 000	3 520 000	3 730 000	3 310 000	2 484 000	-40.00	-24.95
Molybdenum	(t)	103 320	120 576	122 260	123 000	112 800	9.18	-8.29
Nickel	(t)	89 800	93 300	93 200	101 100	100 000	11.36	-1.09
Niobium	(t)	17	14	15	20	20	17.65	0.00
Tantalum	(t)	61	66	60	60	60	-1.64	0.00
Titanium	(t)	850 000	800 000	1 020 000	1 118 700	1 067 200	25.55	-4.60
Tungsten	(t)	69 900	67 600	71 400	67 700	72 200	3.29	6.65
Vanadium	(t)	32 000	37 000	44 800	44 800	42 000	31.25	-6.25
Aluminium	(t)	17 786 000	20 208 400	25 438 100	28 857 900	31 410 000	76.60	8.84
Antimony	(t)	123 900	135 600	120 937	121 400	111 400	-10.09	-8.24
Arsenic	(t)	25 000	26 000	25 000	25 000	25 000	0.00	0.00
Bauxite	(t)	37 173 800	44 052 300	50 339 380	59 212 400	65 000 000	74.85	9.77
Bismuth	(t)	7 000	6 000	6 500	7 600	7 500	7.14	-1.32
Cadmium	(t)	6 672	7 265	7 496	8 201	8 200	22.90	-0.01
Copper	(t)	1 294 700	1 576 800	1 715 200	1 781 000	1 706 400	31.80	-4.19
Gallium	(t)	43	50	128	81	121	181.40	49.38
Germanium	(t)	86	84	89	95	55	-36.05	-42.11
Lead	(t)	2 358 300	2 613 200	2 696 500	2 608 600	2 339 000	-0.82	-10.34
Lithium	(t)	5 290	6 870	8 600	10 000	9 500	79.58	-5.00
Mercury	(t)	1 493	1 347	1 613	2 260	1 861	24.65	-17.65
Rare Earths	(t)	96 900	95 000	93 800	95 000	105 000	8.36	10.53
Rhenium	(kg)	2 100	2 200	2 300	2 300	2 400	14.29	4.35
Selenium	(t)	500	700	1 000	1 300	1 300	160.00	0.00
Tin	(t)	127 400	115 900	149 000	157 980	135 000	5.97	-14.55
Zinc	(t)	4 050 000	4 859 100	5 187 700	5 118 400	4 748 000	17.23	-7.24
Gold	(kg)	360 960	403 060	428 160	451 799	450 053	24.68	-0.39
Silver	(kg)	3 253 400	3 639 110	3 670 213	3 499 144	3 393 392	4.30	-3.02
Asbestos	(t)	440 000	420 000	420 000	400 000	400 000	-9.09	0.00
Baryte	(t)	4 300 000	4 400 000	4 000 000	4 100 000	2 984 000	-30.60	-27.22
Bentonite	(t)	3 500 000	3 500 000	3 610 000	3 600 000	3 650 000	4.29	1.39
Boron	(t)	150 000	160 000	165 000	165 000	160 000	6.67	-3.03
Diam. (Gem)	(ct)	201	1 855	1 050	0	0	-100.00	.
Diatomite	(t)	440 000	420 000	430 000	430 000	420 000	-4.55	-2.33
Feldspar	(t)	2 100 000	2 100 000	2 100 000	2 100 000	2 500 000	19.05	19.05
Fluorspar	(t)	4 200 000	4 200 000	4 000 000	4 300 000	4 400 000	4.76	2.33
Graphite	(t)	800 000	820 000	750 000	780 000	780 000	-2.50	0.00
Gypsum	(t)	37 000 000	38 000 000	38 000 000	40 000 000	40 000 000	8.11	0.00
Kaolin	(t)	3 200 000	3 300 000	3 300 000	3 300 000	4 000 000	25.00	21.21
Magnesite	(t)	16 000 000	16 000 000	17 000 000	18 430 000	17 440 000	9.00	-5.37

**Total Prod.:** different units (m³, ct, kg) converted to metr. t

**Abbreviations:** see Explanation

Phosphates	(t)	24 366 900	28 588 800	32 553 000	36 131 400	42 611 100	74.87	17.93
Potash	(t)	2 598 800	3 900 000	4 300 000	4 400 000	4 200 000	61.61	-4.55
Salt	(t)	67 421 600	69 117 800	64 603 000	64 338 000	59 750 000	-11.38	-7.13
Sulfur	(t)	9 700 000	9 900 000	10 500 000	12 000 000	10 000 000	3.09	-16.67
Talc	(t)	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	0.00	0.00
Vermiculite	(t)	80 000	90 000	50 000	50 000	50 000	-37.50	0.00
Zircon	(t)	150 000	150 000	150 000	140 000	140 000	-6.67	0.00
Steam Coal	(t)	2 894 413 000	2 950 106 000	2 984 054 000	2 847 246 000	2 749 125 000	-5.02	-3.45
Coking Coal	(t)	557 493 000	555 695 000	600 694 000	619 764 000	611 051 000	9.61	-1.41
Nat. Gas (Mio m³)		102 689	107 150	120 858	130 157	134 610	31.09	3.42
Petroleum	(t)	202 875 500	207 478 000	209 919 000	211 429 000	214 555 800	5.76	1.48
Uranium	(t)	1 044	1 769	1 769	1 769	1 906	82.57	7.74
Total	(t)	4 342 797 785	4 418 309 883	4 562 230 627	4 486 680 819	4 358 945 768		

## Christmas Island

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Phosphates	(t)	150 190	154 560	132 250	154 330	177 100	17.92	14.75
Total	(t)	150 190	154 560	132 250	154 330	177 100		

## Colombia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	78 507	364 150	319 520	304 280	405 780	416.87	33.36
Nickel	(t)	37 817	51 595	49 320	41 222	36 671	-3.03	-11.04
Copper	(t)	810	640	4 118	5 463	8 491	948.27	55.43
Gold	(kg)	55 908	66 178	55 745	57 015	59 202	5.89	3.84
Platinum	(kg)	1 231	1 460	1 836	1 135	861	-30.06	-24.14
Silver	(kg)	24 045	19 368	13 968	11 498	10 155	-57.77	-11.68
Baryte	(t)	2 000	2 000	1 000	2 000	0	-100.00	-100.00
Feldspar	(t)	85 000	60 000	46 000	46 000	12 234	-85.61	-73.40
Gypsum	(t)	200 000	200 000	200 000	300 000	445 855	122.93	48.62
Phosphates	(t)	12 500	18 750	19 000	20 000	22 630	81.04	13.15
Salt	(t)	457 692	520 268	432 410	445 840	417 438	-8.79	-6.37
Sulfur	(t)	58 073	63 790	52 470	48 513	63 236	8.89	30.35
Steam Coal	(t)	81 383 000	84 118 000	80 600 000	83 468 235	80 716 510	-0.82	-3.30
Coking Coal	(t)	4 419 000	4 906 000	4 893 000	5 104 123	4 823 870	9.16	-5.49
Nat. Gas (Mio m³)		10 960	11 975	12 970	12 830	11 860	8.21	-7.56
Petroleum	(t)	45 571 240	47 126 200	49 895 120	49 308 600	50 058 800	9.85	1.52
Total	(t)	141 073 720	147 011 479	146 888 030	149 358 345	146 499 585		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Congo, D.R.

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Cobalt	(t)	99 475	86 433	76 593	76 475	84 400	-15.15	10.36
Niobium	(t)	126	193	230	376	694	450.79	84.57
Tantalum	(t)	134	205	244	399	736	449.25	84.46
Tungsten	(t)	43	101	59	13	55	27.91	323.08
Copper	(t)	499 198	619 942	914 631	1 065 744	1 069 039	114.15	0.31
Tin	(t)	10 229	10 440	4 162	4 012	4 567	-55.35	13.83
Zinc	(t)	7 470	5 790	6 060	6 370	6 340	-15.13	-0.47
Gold	(kg)	309	2 813	6 149	23 937	31 878	10 216.50	33.17
Silver	(kg)	10 080	12 342	60 431	6 485	2 412	-76.07	-62.81
Diam. (Gem)	(ct)	3 849 811	4 304 853	3 559 800	3 331 600	3 150 700	-18.16	-5.43
Diam. (Ind)	(ct)	15 399 246	17 219 413	14 239 200	13 326 400	12 602 790	-18.16	-5.43
Petroleum	(t)	1 167 300	1 165 600	1 139 120	1 140 580	1 124 940	-3.63	-1.37
Total	(t)	1 783 989	1 888 723	2 141 169	2 294 003	2 290 809		

## Congo, Rep.

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	35	35	35	35	35	0.00	0.00
Diam. (Ind)	(ct)	76 548	51 588	56 495	53 163	40 057	-47.67	-24.65
Petroleum	(t)	14 868 000	13 444 200	12 057 800	12 483 600	12 139 600	-18.35	-2.76
Total	(t)	14 868 000	13 444 200	12 057 800	12 483 600	12 139 600		

## Costa Rica

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	500	500	2 000	1 050	950	90.00	-9.52
Diatomite	(t)	4 029	4 000	19 037	10 851	20 537	409.73	89.26
Total	(t)	4 029	4 001	19 039	10 852	20 538		

**Total Prod.:** different units (m<sup>3</sup>, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Cote d'Ivoire

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	19 600	112 500	110 480	162 900	118 430	504.23	-27.30
Gold	(kg)	11 009	11 232	12 961	17 381	20 245	83.89	16.48
Silver	(kg)	410	572	647	600	576	40.49	-4.00
Diam. (Gem)	(ct)	0	0	0	859	11 940	.	1 289.99
Diam. (Ind)	(ct)	0	0	0	215	2 985	.	1 288.37
Nat. Gas	(Mio m³)	1 614	1 755	2 104	2 109	2 177	34.88	3.22
Petroleum	(t)	1 690 100	1 469 100	1 246 700	941 400	1 464 300	-13.36	55.54
Total	(t)	3 000 911	2 985 612	3 040 394	2 791 518	3 324 351		

## Croatia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)	4 830	5 690	8 220	9 146	11 897	146.31	30.08
Gypsum	(t)	185 521	126 580	143 180	164 464	126 470	-31.83	-23.10
Salt	(t)	21 197	17 642	15 700	0	111 978	428.27	.
Nat. Gas	(Mio m³)	2 571	2 086	1 963	1 824	1 850	-28.04	1.43
Petroleum	(t)	627 800	593 400	573 100	575 960	657 550	4.74	14.17
Total	(t)	2 896 148	2 412 112	2 310 600	2 208 770	2 387 895		

## Cuba

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Cobalt	(t)	3 854	3 792	3 319	3 210	3 734	-3.11	16.32
Nickel	(t)	68 600	64 600	53 000	50 400	52 700	-23.18	4.56
Bentonite	(t)	1 244	668	335	700	500	-59.81	-28.57
Feldspar	(t)	3 100	3 800	3 200	3 600	3 300	6.45	-8.33
Gypsum	(t)	131 400	131 000	87 100	97 800	90 900	-30.82	-7.06
Kaolin	(t)	3 000	4 000	3 600	1 700	1 500	-50.00	-11.76
Salt	(t)	280 800	215 900	222 400	243 300	284 900	1.46	17.10
Nat. Gas	(Mio m³)	1 020	1 035	1 066	1 200	1 245	22.06	3.75
Petroleum	(t)	3 011 700	2 998 900	2 897 100	2 905 300	2 800 000	-7.03	-3.62
Total	(t)	4 319 698	4 250 660	4 122 854	4 266 010	4 233 534		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Cyprus

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Copper	(t)	3 660	4 328	3 361	3 088	2 121	-42.05	-31.31
Bentonite	(t)	160 625	160 180	158 386	140 174	127 036	-20.91	-9.37
Gypsum	(t)	335 000	327 800	315 000	347 600	471 885	40.86	35.76
Total	(t)	499 285	492 308	476 747	490 862	601 042		

## Czech Republic

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bentonite	(t)	160 000	221 000	226 000	301 000	369 000	130.63	22.59
Diatomite	(t)	46 000	43 000	49 000	34 000	15 000	-67.39	-55.88
Feldspar	(t)	407 000	445 000	411 000	422 000	433 000	6.39	2.61
Gypsum	(t)	11 000	14 000	11 000	11 000	11 000	0.00	0.00
Kaolin	(t)	3 606 000	3 318 000	3 108 000	3 281 000	3 454 000	-4.22	5.27
Steam Coal	(t)	5 921 080	6 031 730	4 042 400	3 930 280	3 884 180	-34.40	-1.17
Coking Coal	(t)	5 045 920	4 764 270	4 567 610	4 410 720	3 755 820	-25.57	-14.85
Lignite	(t)	46 848 000	43 710 000	40 585 000	38 348 000	38 251 000	-18.35	-0.25
Nat. Gas (Mio m³)		187	204	207	198	200	6.95	1.01
Petroleum	(t)	163 000	150 000	152 000	147 000	126 000	-22.70	-14.29
Uranium	(t)	297	262	274	195	158	-46.80	-18.97
Total	(t)	62 357 897	58 860 462	53 317 884	51 043 595	50 459 158		

## Denmark

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bentonite	(t)	38 300	30 330	56 355	66 388	54 272	41.70	-18.25
Diatomite	(t)	125 625	110 625	128 100	118 800	127 500	1.49	7.32
Salt	(t)	600 000	600 000	600 000	600 000	600 000	0.00	0.00
Sulfur	(t)	3 045	3 925	3 599	4 435	93 024	2 954.98	1 997.50
Nat. Gas (Mio m³)		7 118	5 653	4 652	4 504	4 520	-36.50	0.36
Petroleum	(t)	10 960 255	10 000 220	8 697 319	8 131 039	7 689 812	-29.84	-5.43
Total	(t)	17 421 625	15 267 500	13 206 973	12 523 862	12 180 608		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Dominican Republic

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Nickel	(t)	13 528	15 186	9 355	0	0	-100.00	.
Bauxite	(t)	0	10 522	929 576	1 749 308	1 724 162	.	-1.44
Copper	(t)	11 777	11 737	10 379	9 262	7 324	-37.81	-20.92
Zinc	(t)				0	4 655	.	.
Gold	(kg)	495	4 106	26 084	35 402	30 454	6 052.32	-13.98
Silver	(kg)	18 169	27 296	78 522	129 706	91 928	405.96	-29.13
Gypsum	(t)	147 220	316 980	233 340	363 240	350 700	138.21	-3.45
Salt	(t)	40 000	18 170	7 690	23 670	25 890	-35.28	9.38
Total	(t)	212 543	372 626	1 190 445	2 145 645	2 112 853		

## Ecuador

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	4 923	5 139	8 676	7 322	7 723	56.88	5.48
Silver	(kg)	1 589	2 934	1 198	577	122 883	7 633.35	21 196.88
Feldspar	(t)	130 498	152 590	210 142	183 259	253 253	94.07	38.19
Kaolin	(t)	76 660	42 564	100 195	40 236	63 829	-16.74	58.64
Nat. Gas (Mio m³)		241	517	515	578	497	106.22	-14.01
Petroleum	(t)	24 873 000	25 141 000	26 205 000	27 699 000	27 038 000	8.70	-2.39
Total	(t)	25 272 965	25 749 762	26 927 347	28 384 903	27 752 813		

## Egypt

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	1 494 400	1 768 500	192 000	639 900	763 700	-48.90	19.35
Manganese	(t)	14 900	25 000	12 500	12 000	12 000	-19.46	0.00
Aluminium	(t)	353 900	393 700	325 300	304 200	292 200	-17.43	-3.94
Tin	(t)	0	16	111	48	0	.	-100.00
Gold	(kg)	6 305	8 175	11 502	11 734	13 657	116.61	16.39
Baryte	(t)	1 168	4 000	3 800	4 000	4 000	242.47	0.00
Bentonite	(t)	33 132	17 709	4 600	2 000	2 000	-93.96	0.00
Feldspar	(t)	210 000	400 000	232 660	400 000	300 000	42.86	-25.00
Fluorspar	(t)	3 808	7 700	850	900	900	-76.37	0.00
Gypsum	(t)	941 753	966 250	457 602	940 615	872 141	-7.39	-7.28
Kaolin	(t)	300 000	300 000	300 000	300 000	300 000	0.00	0.00

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Phosphates	(t)	404 000	712 500	1 788 700	1 305 300	1 401 000	246.78	7.33
Salt	(t)	2 460 462	2 809 000	2 802 000	2 194 000	1 543 000	-37.29	-29.67
Sulfur	(t)	80 000	80 000	80 000	80 000	80 000	0.00	0.00
Talc	(t)	12 934	21 516	63 358	20 000	20 000	54.63	0.00
Vermiculite	(t)	2 865	2 093	2 750	2 700	3 000	4.71	11.11
Nat. Gas (Mio m³)		61 450	60 880	56 070	48 790	45 580	-25.83	-6.58
Petroleum	(t)	34 600 000	34 730 000	34 361 000	35 140 200	35 624 900	2.96	1.38
Total	(t)	90 073 328	90 941 992	85 483 243	80 377 875	77 682 855		

## El Salvador

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Salt	(t)	98 200	103 100	100 000	100 000	100 000	1.83	0.00
Total	(t)	98 200	103 100	100 000	100 000	100 000		

## Equatorial Guinea

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Petroleum	(t)	12 550 000	13 546 000	13 297 000	13 994 000	14 392 000	14.68	2.84
Total	(t)	12 550 000	13 546 000	13 297 000	13 994 000	14 392 000		

## Eritrea

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Copper	(t)		0	21 779	88 900	61 600	.	-30.71
Gold	(kg)	11 788	9 735	2 862	840	0	-100.00	-100.00
Silver	(kg)	4 417	29 922	15 799	0	0	-100.00	.
Gypsum	(t)	800	800	1 000	1 000	1 000	25.00	0.00
Kaolin	(t)	200	200	200	200	200	0.00	0.00
Salt	(t)	27 000	28 000	28 000	28 000	28 000	3.70	0.00
Total	(t)	28 016	29 040	50 998	118 101	90 800		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Estonia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Oil shales	(t)	18 734 000	18 796 000	20 511 000	20 995 000	19 616 000	4.71	-6.57
Total	(t)	18 734 000	18 796 000	20 511 000	20 995 000	19 616 000		

## Ethiopia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Niobium	(t)	32	32	14	25	20	-37.50	-20.00
Tantalum	(t)	116	118	29	90	75	-35.34	-16.67
Gold	(kg)	11 600	12 200	13 050	10 340	9 370	-19.22	-9.38
Silver	(kg)	2 400	2 400	1 449	1 000	990	-58.75	-1.00
Diatomite	(t)	4 100	4 000	4 000	4 000	4 000	-2.44	0.00
Gypsum	(t)	46 000	46 000	42 452	43 000	45 000	-2.17	4.65
Kaolin	(t)	4 498	4 000	3 534	3 500	3 500	-22.19	0.00
Salt	(t)	388 153	320 000	318 402	320 000	320 000	-17.56	0.00
Steam Coal	(t)	21 000	0	0	0	0	-100.00	.
Total	(t)	463 913	374 164	368 445	370 626	372 605		

## Fiji

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)	0	350 000	461 000	496 616	172 336	.	-65.30
Gold	(kg)	1 572	1 439	1 218	1 196	1 290	-17.94	7.86
Silver	(kg)	418	342	462	361	354	-15.31	-1.94
Total	(t)	2	350 001	461 001	496 617	172 337		

## Finland

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium	(t)	231 000	229 000	434 000	441 300	457 100	97.88	3.58
Cobalt	(t)	480	1 381	2 061	2 104	2 119	341.46	0.71
Nickel	(t)	18 244	19 073	18 560	19 281	9 383	-48.57	-51.34
Copper	(t)	14 000	25 445	38 763	42 810	41 805	198.61	-2.35
Germanium	(t)	12	16	17	17	13	8.33	-23.53
Selenium	(t)	86	93	72	94	93	8.14	-1.06
Zinc	(t)	64 115	52 265	41 124	46 063	25 332	-60.49	-45.01

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gold	(kg)	6 674	9 100	8 660	8 085	8 342	24.99	3.18
Palladium	(kg)	0	379	766	808	784	.	-2.97
Platinum	(kg)	0	429	946	1 060	992	.	-6.42
Silver	(kg)	11 160	10 479	14 226	12 830	13 051	16.94	1.72
Feldspar	(t)	26 292	43 124	47 636	46 233	38 026	44.63	-17.75
Magnesite	(t)			0	12 276	22 390	.	82.39
Phosphates	(t)	313 100	308 900	315 800	340 640	344 360	9.98	1.09
Sulfur	(t)	791 300	830 000	828 000	845 000	847 000	7.04	0.24
Talc	(t)	429 494	396 332	361 840	380 821	332 174	-22.66	-12.77
Total	(t)	1 888 141	1 905 649	2 087 898	2 176 662	2 119 818		

## France

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	334 000	349 000	343 000	410 000	415 000	24.25	1.22
Bauxite	(t)	80 800	90 000	100 000	71 100	70 000	-13.37	-1.55
Bentonite	(t)	20 000	28 000	23 111	11 607	11 000	-45.00	-5.23
Diatomite	(t)	85 000	85 000	85 000	90 000	90 000	5.88	0.00
Feldspar	(t)	600 000	600 000	550 000	550 000	550 000	-8.33	0.00
Gypsum	(t)	4 800 000	3 685 000	3 455 000	3 279 000	3 300 000	-31.25	0.64
Kaolin	(t)	310 000	308 000	300 000	310 000	310 000	0.00	0.00
Salt	(t)	6 200 000	6 850 000	6 300 000	6 300 000	6 000 000	-3.23	-4.76
Sulfur	(t)	650 000	500 000	400 000	400 000	380 000	-41.54	-5.00
Talc	(t)	400 000	400 000	400 000	450 000	450 000	12.50	0.00
Steam Coal	(t)	149 000	290 000	313 000	300 000	0	-100.00	-100.00
Nat. Gas (Mio m³)		600	530	340	20	30	-95.00	50.00
Oil shales	(t)	5 000	2 000	2 000	2 000	2 000	-60.00	0.00
Petroleum	(t)	895 000	806 500	793 000	766 000	835 000	-6.70	9.01
Uranium	(t)	7	4	0	4	2	-71.43	-50.00
Total	(t)	15 008 807	14 417 504	13 336 111	12 955 711	12 437 002		

## French Guiana

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	1 140	1 000	2 000	2 000	1 265	10.96	-36.75
Total	(t)	1	1	2	2	1		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Gabon

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	1 767 900	1 609 300	1 955 300	1 872 100	1 973 000	11.60	5.39
Gold	(kg)	300	666	1 137	1 012	1 301	333.67	28.56
Nat. Gas	(Mio m³)	320	370	300	330	330	3.13	0.00
Petroleum	(t)	12 683 000	12 275 000	11 782 900	11 797 500	11 628 500	-8.31	-1.43
Total	(t)	14 706 900	14 180 301	13 978 201	13 933 601	13 865 501		

## Georgia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	89 600	90 000	88 000	83 600	66 000	-26.34	-21.05
Copper	(t)	10 210	6 820	25 990	39 320	50 320	392.85	27.98
Gold	(kg)	3 100	3 100	4 300	2 300	3 073	-0.87	33.61
Steam Coal	(t)	362 033	444 284	397 000	350 000	360 000	-0.56	2.86
Petroleum	(t)	50 033	51 100	51 017	50 000	50 000	-0.07	0.00
Total	(t)	511 879	592 207	562 011	522 922	526 323		

## Germany

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	51 350	46 990	43 410	48 400	52 100	1.46	7.64
Aluminium	(t)	432 500	410 500	492 368	530 700	541 400	25.18	2.02
Cadmium	(t)	320	310	430	570	370	15.63	-35.09
Selenium	(t)	650	650	700	700	660	1.54	-5.71
Baryte	(t)	55 342	52 030	45 446	87 575	68 297	23.41	-22.01
Bentonite	(t)	375 332	366 220	358 844	394 657	392 831	4.66	-0.46
Feldspar	(t)	5 000 000	5 320 977	5 399 644	5 846 646	4 649 326	-7.01	-20.48
Fluorspar	(t)	65 619	54 202	48 744	58 100	57 741	-12.01	-0.62
Graphite	(t)		109	269	517	398	.	-23.02
Gypsum	(t)	2 695 662	2 653 906	2 417 125	2 699 775	2 574 312	-4.50	-4.65
Kaolin	(t)	4 898 516	4 398 796	4 348 562	4 275 422	3 733 714	-23.78	-12.67
Potash	(t)	3 214 696	3 149 386	3 075 201	3 126 913	3 056 528	-4.92	-2.25
Salt	(t)	17 442 465	14 646 485	17 389 096	13 330 692	13 957 574	-19.98	4.70
Sulfur	(t)	874 639	798 257	754 540	708 146	627 797	-28.22	-11.35
Steam Coal	(t)	5 301 000	4 878 800	3 209 700	3 224 800	2 626 600	-50.45	-18.55
Coking Coal	(t)	6 758 000	5 891 200	4 356 700	4 415 100	3 596 100	-46.79	-18.55
Lignite	(t)	176 502 000	185 432 000	182 995 000	178 155 000	178 065 000	0.89	-0.05

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Nat. Gas (Mio m³)		12 873	11 706	10 678	10 060	9 323	-27.58	-7.33
Oil shales (t)		350 000	479 825	441 580	506 693	468 470	33.85	-7.54
Petroleum (t)		2 677 136	2 621 352	2 638 379	2 429 789	2 412 643	-9.88	-0.71
Uranium (t)		60	59	32	39	0	-100.00	-100.00
Total	(t)	236 993 687	240 566 854	236 558 170	227 888 234	224 340 261		

## Ghana

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese (t)		639 690	519 830	699 270	473 720	451 020	-29.49	-4.79
Aluminium (t)		35 213	38 000	36 600	38 100	33 800	-4.01	-11.29
Bauxite (t)		400 069	752 771	826 994	798 114	1 313 897	228.42	64.63
Gold (kg)		90 959	98 489	99 303	106 771	96 905	6.54	-9.24
Silver (kg)		3 900	4 000	4 000	4 000	4 000	2.56	0.00
Diam. (Gem) (ct)		226 695	172 094	127 259	192 896	139 350	-38.53	-27.76
Diam. (Ind) (ct)		56 674	43 024	31 815	48 224	34 838	-38.53	-27.76
Salt (t)		200 000	250 000	250 000	250 000	250 000	25.00	0.00
Petroleum (t)		3 404 800	4 133 800	5 266 500	5 328 400	5 558 600	63.26	4.32
Total	(t)	4 679 867	5 694 503	7 079 467	6 888 445	7 607 418		

## Greece

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium (t)		570	576	0	0	0	-100.00	.
Nickel (t)		22 360	22 570	22 210	23 825	23 400	4.65	-1.78
Aluminium (t)		165 147	165 579	169 457	173 164	179 420	8.64	3.61
Bauxite (t)		2 324 000	1 815 328	1 844 000	1 872 710	1 831 660	-21.19	-2.19
Lead (t)		12 918	15 313	14 211	13 016	9 175	-28.98	-29.51
Zinc (t)		20 999	23 196	22 512	22 953	16 200	-22.85	-29.42
Gold (kg)		960	1 066	2 492	2 328	1 600	66.67	-31.27
Silver (kg)		33 316	39 759	39 028	35 785	25 170	-24.45	-29.66
Bentonite (t)		1 188 442	1 235 105	1 000 000	1 011 485	1 123 320	-5.48	11.06
Feldspar (t)		27 500	33 800	0	0	0	-100.00	.
Gypsum (t)		590 000	621 329	760 000	664 288	649 280	10.05	-2.26
Magnesite (t)		541 813	351 266	383 000	360 268	383 230	-29.27	6.37
Perlite (t)		842 870	876 396	890 000	985 328	890 670	5.67	-9.61
Salt (t)		174 500	191 970	189 500	146 402	121 537	-30.35	-16.98
Sulfur (t)		214 943	227 197	230 000	220 000	155 000	-27.89	-29.55
Talc (t)		200	0	0	0	0	-100.00	.

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Lignite	(t)	58 400 000	62 334 803	55 500 000	50 800 000	46 308 120	-20.71	-8.84
Nat. Gas (Mio m³)		6	6	5	5	4	-33.33	-20.00
Petroleum	(t)	92 139	90 230	83 121	70 139	72 649	-21.15	3.58
Total	(t)	64 623 235	68 009 499	61 112 052	56 367 616	51 766 888		

## Greenland

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	104	203	0	0	0	-100.00	.
Total	(t)	0	0	0	0	0		

## Guatemala

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	487	4 540	330	850	7 310	1 401.03	760.00
Nickel	(t)		2 400	9 200	57 700	38 500	.	-33.28
Antimony	(t)	0	62	159	0	0	.	.
Lead	(t)		2 269	818	10 359	10 153	.	-1.99
Zinc	(t)	6 800	3 300	865	13 394	14 810	117.79	10.57
Gold	(kg)	11 898	6 473	6 386	6 140	5 641	-52.59	-8.13
Silver	(kg)	272 771	204 556	265 943	858 356	862 814	216.31	0.52
Baryte	(t)	333	91	343	43	544	63.36	1 165.12
Bentonite	(t)	115 603	131 843	18 418	75 200	718	-99.38	-99.05
Feldspar	(t)	7 517	19 356	19 611	10 410	10 340	37.55	-0.67
Gypsum	(t)	47 500	99 628	117 619	81 805	111 351	134.42	36.12
Kaolin	(t)	10 550	1 866	1 342	1 285	1 101	-89.56	-14.32
Magnesite	(t)	311	27 132	17 196	24 268	25 000	7 938.59	3.02
Salt	(t)	50 000	50 000	0	0	0	-100.00	.
Talc	(t)	3 650	2 449	3 254	3 368	3 779	3.53	12.20
Petroleum	(t)	545 000	528 700	497 200	500 400	499 800	-8.29	-0.12
Total	(t)	788 036	873 847	686 627	779 946	724 275		

## Guinea

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)	17 594 000	19 977 000	18 763 000	19 182 000	20 163 774	14.61	5.12
Gold	(kg)	18 798	16 154	18 140	23 458	19 030	1.23	-18.88
Diam. (Gem)	(ct)	227 839	200 100	151 774	123 044	125 161	-45.07	1.72
Diam. (Ind)	(ct)	75 946	66 700	50 591	41 015	41 720	-45.07	1.72
Total	(t)	17 594 019	19 977 016	18 763 018	19 182 023	20 163 793		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Guyana

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)	1 827 555	2 213 972	1 713 242	1 563 563	1 526 713	-16.46	-2.36
Gold	(kg)	11 292	13 643	14 963	12 053	14 024	24.19	16.35
Diam. (Gem)	(ct)	39 205	30 573	41 946	74 963	88 838	126.60	18.51
Diam. (Ind)	(ct)	13 068	10 191	13 982	24 988	29 613	126.61	18.51
Total	(t)	1 827 566	2 213 986	1 713 257	1 563 575	1 526 727		

## Honduras

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Antimony	(t)			0	13	14	.	7.69
Lead	(t)	13 100	12 400	11 600	15 500	9 800	-25.19	-36.77
Zinc	(t)	26 000	26 000	25 000	30 000	23 000	-11.54	-23.33
Gold	(kg)	1 893	1 858	1 985	2 762	2 598	37.24	-5.94
Silver	(kg)	48 400	50 605	50 916	56 826	34 369	-28.99	-39.52
Gypsum	(t)	5 500	5 500	5 500	2 598	2 600	-52.73	0.08
Salt	(t)	25 000	25 000	30 000	54 400	45 400	81.60	-16.54
Total	(t)	69 650	68 953	72 153	102 571	80 851		

## Hungary

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	15 620	13 750	9 370	13 650	15 330	-1.86	12.31
Bauxite	(t)	277 724	255 073	93 700	14 400	8 300	-97.01	-42.36
Gallium	(t)	5	4	2	2	0	-100.00	-100.00
Bentonite	(t)	17 308	1 392	10 360	13 893	14 170	-18.13	1.99
Perlite	(t)	70 108	70 000	31 024	32 750	31 275	-55.39	-4.50
Lignite	(t)	9 557 900	9 297 500	9 552 700	9 553 700	9 263 180	-3.08	-3.04
Nat. Gas (Mio m³)		2 667	2 205	2 060	1 933	1 887	-29.25	-2.38
Petroleum	(t)	668 498	649 706	610 000	594 000	633 072	-5.30	6.58
Total	(t)	12 740 763	12 051 425	11 955 156	11 768 795	11 474 927		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Iceland

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	814 039	801 166	836 325	848 639	865 016	6.26	1.93
Salt	(t)	5 000	5 000	5 000	5 000	5 000	0.00	0.00
Total	(t)	819 039	806 166	841 325	853 639	870 016		

## India

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	112 949 940	91 534 060	101 962 610	84 058 650	101 341 500	-10.28	20.56
Chromium	(t)	1 344 800	1 303 600	1 324 000	995 500	1 331 200	-1.01	33.72
Manganese	(t)	840 170	820 310	886 550	780 210	722 610	-13.99	-7.38
Titanium	(t)	414 500	421 900	409 900	430 500	461 100	11.24	7.11
Aluminium	(t)	1 654 156	1 720 000	1 667 300	2 026 803	2 354 949	42.37	16.19
Bauxite	(t)	13 599 566	16 611 610	22 319 148	22 493 671	28 133 516	106.87	25.07
Cadmium	(t)	449	391	228	69	0	-100.00	-100.00
Copper	(t)	30 000	28 440	32 276	24 750	32 810	9.37	32.57
Lead	(t)	89 700	104 340	109 810	111 370	143 710	60.21	29.04
Selenium	(t)	16	16	16	16	17	6.25	6.25
Tin	(t)	37	36	26	19	10	-72.97	-47.37
Zinc	(t)	726 520	759 530	769 930	767 180	740 740	1.96	-3.45
Gold	(kg)	2 194	1 588	1 564	1 440	1 323	-39.70	-8.13
Silver	(kg)	207 144	374 046	349 774	327 647	426 443	105.87	30.15
Asbestos	(t)	276	389	172	0	0	-100.00	.
Baryte	(t)	1 776 980	1 789 431	1 170 522	910 963	900 000	-49.35	-1.20
Bentonite	(t)	996 000	1 081 000	1 380 000	1 380 000	1 100 000	10.44	-20.29
Diam. (Gem)	(ct)	1 479	2 559	3 000	2 889	2 886	95.13	-0.10
Diam. (Ind)	(ct)	17 010	29 430	34 515	33 218	33 184	95.09	-0.10
Feldspar	(t)	835 526	1 459 008	1 512 982	1 343 366	1 350 000	61.57	0.49
Fluorspar	(t)	5 010	3 092	2 486	2 947	2 333	-53.43	-20.83
Graphite	(t)	153 339	134 735	146 390	116 712	134 568	-12.24	15.30
Gypsum	(t)	3 978 806	3 556 723	3 115 363	2 477 849	2 500 000	-37.17	0.89
Kaolin	(t)	3 076 795	4 258 697	4 781 519	3 861 380	4 770 000	55.03	23.53
Magnesite	(t)	224 104	224 315	196 940	285 009	265 022	18.26	-7.01
Phosphates	(t)	555 440	458 800	338 910	363 040	337 610	-39.22	-7.00
Salt	(t)	22 179 100	24 546 900	23 019 300	26 887 000	27 000 000	21.74	0.42
Sulfur	(t)	2 120 346	2 240 804	2 263 625	2 564 808	2 741 100	29.28	6.87
Talc	(t)	1 254 329	1 219 746	1 112 602	921 712	920 000	-26.65	-0.19
Vermiculite	(t)	10 194	7 947	11 851	15 327	23 267	128.24	51.80
Zircon	(t)	25 996	21 125	19 017	15 000	12 000	-53.84	-20.00

**Total Prod.:** different units (m<sup>3</sup>, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Steam Coal	(t)	488 290 000	504 820 000	508 947 000	551 733 000	578 347 000	18.44	4.82
Coking Coal	(t)	51 660 000	51 582 000	56 818 000	57 446 000	60 887 000	17.86	5.99
Lignite	(t)	42 332 000	46 453 000	44 271 000	48 270 000	43 843 000	3.57	-9.17
Nat. Gas (Mio m³)		47 559	40 679	35 407	33 657	31 114	-34.58	-7.56
Petroleum	(t)	38 090 000	37 862 000	37 778 000	37 461 000	36 951 000	-2.99	-1.36
Uranium	(t)	472	454	472	454	454	-3.81	0.00
Total	(t)	827 261 976	827 567 975	844 693 897	874 670 234	922 238 143		

## Indonesia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	6 498 000	6 350 200	12 294 300	3 273 300	2 111 200	-67.51	-35.50
Cobalt	(t)	3 200	3 600	4 700	329	350	-89.06	6.38
Manganese	(t)	74 900	14 000	2 000	3 700	27 600	-63.15	645.95
Nickel	(t)	564 400	648 400	834 200	215 000	129 600	-77.04	-39.72
Aluminium	(t)	246 300	253 000	255 300	264 500	257 100	4.38	-2.80
Bauxite	(t)	40 643 000	31 443 000	57 023 800	2 539 274	471 867	-98.84	-81.42
Copper	(t)	545 263	398 000	509 200	378 800	578 600	6.11	52.75
Tin	(t)	97 404	101 000	88 000	70 000	70 000	-28.13	0.00
Gold	(kg)	76 763	69 291	59 804	69 349	92 171	20.07	32.91
Silver	(kg)	227 173	247 827	123 109	119 189	151 934	-33.12	27.47
Bentonite	(t)	6 500	6 500	7 000	7 000	7 000	7.69	0.00
Feldspar	(t)	1 758 900	742 900	1 530 600	1 474 100	1 206 700	-31.39	-18.14
Gypsum	(t)	7 500	7 500	8 000	8 000	8 000	6.67	0.00
Kaolin	(t)	661 900	623 300	739 900	753 000	683 000	3.19	-9.30
Phosphates	(t)	400	400	0	0	0	-100.00	.
Salt	(t)	1 217 840	1 855 290	872 710	1 877 170	2 186 600	79.55	16.48
Sulfur	(t)	520 000	500 000	540 000	540 000	540 000	3.85	0.00
Zircon	(t)	127 000	109 000	49 400	21 000	30 900	-75.67	47.14
Steam Coal	(t)	401 260 000	441 386 000	487 503 000	483 667 000	466 539 000	16.27	-3.54
Coking Coal	(t)	3 258 000	4 237 000	2 244 000	1 022 000	2 728 000	-16.27	166.93
Nat. Gas (Mio m³)		81 860	77 940	77 230	76 110	75 740	-7.48	-0.49
Petroleum	(t)	44 911 700	42 920 400	41 033 200	39 269 800	39 121 400	-12.89	-0.38
Total	(t)	567 890 511	593 951 807	667 323 493	596 272 161	577 289 161		

## Iran

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	18 996 900	21 085 200	25 329 500	25 709 416	25 797 898	35.80	0.34
Chromium	(t)	189 200	192 210	191 100	157 953	142 810	-24.52	-9.59
Manganese	(t)	77 180	66 106	70 156	56 628	69 760	-9.61	23.19
Molybdenum	(t)	3 365	3 516	3 471	3 494	3 337	-0.83	-4.49

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Aluminium	(t)	321 900	336 500	299 448	286 514	353 000	9.66	23.21
Antimony	(t)	600	0	400	432	216	-64.00	-50.00
Arsenic	(t)	98	101	110	110	110	12.24	0.00
Bauxite	(t)	847 000	898 400	788 630	540 003	773 700	-8.65	43.28
Copper	(t)	258 900	238 000	222 900	216 800	254 709	-1.62	17.49
Lead	(t)	40 000	45 000	42 000	44 000	40 800	2.00	-7.27
Mercury	(t)	2	0	10	12	14	600.00	16.67
Zinc	(t)	138 000	138 000	130 000	150 000	168 210	21.89	12.14
Gold	(kg)	1 000	1 500	1 656	1 760	2 368	136.80	34.55
Silver	(kg)	40 000	40 000	673	34 945	48 380	20.95	38.45
Baryte	(t)	407 000	393 000	450 000	671 316	1 085 667	166.75	61.72
Bentonite	(t)	422 000	427 000	397 106	419 693	435 974	3.31	3.88
Boron	(t)	1 044	3 000	914	180	515	-50.67	186.11
Diatomite	(t)	0	0	9 500	9 912	9 500	.	-4.16
Feldspar	(t)	576 643	1 110 000	1 313 233	1 128 569	1 003 354	74.00	-11.10
Fluorspar	(t)	55 976	80 000	69 828	78 736	39 286	-29.82	-50.10
Graphite	(t)	360	0	0	0	0	-100.00	.
Gypsum	(t)	18 300 000	19 000 000	21 118 681	19 550 120	17 793 500	-2.77	-8.99
Kaolin	(t)	762 000	800 000	946 388	820 067	791 193	3.83	-3.52
Magnesite	(t)	172 697	143 000	170 741	165 886	165 073	-4.41	-0.49
Perlite	(t)	20 000	30 000	55 101	42 646	63 030	215.15	47.80
Phosphates	(t)	110 000	110 000	113 600	36 527	65 342	-40.60	78.89
Potash	(t)		0	3 600	449 700	632 100	.	40.56
Salt	(t)	2 714 735	2 962 000	2 078 682	3 940 112	4 448 463	63.86	12.90
Sulfur	(t)	1 575 000	2 000 000	2 100 000	2 100 000	2 200 000	39.68	4.76
Talc	(t)	58 987	116 000	92 958	52 492	150 965	155.93	187.60
Vermiculite	(t)	1 200	1 200	1 200	1 200	1 000	-16.67	-16.67
Steam Coal	(t)	112 000	104 000	183 000	148 000	148 000	32.14	0.00
Coking Coal	(t)	1 052 000	937 000	922 000	810 000	952 000	-9.51	17.53
Nat. Gas (Mio m³)		159 860	166 160	166 780	182 050	192 460	20.39	5.72
Petroleum	(t)	212 703 600	180 452 700	169 617 800	174 684 700	182 577 310	-14.16	4.52
Total	(t)	387 806 428	364 599 975	360 146 060	377 915 255	394 134 886		

## Iraq

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bentonite	(t)	6 452	6 530	6 288	6 000	6 000	-7.01	0.00
Kaolin	(t)	3 000	3 000	0	0	0	-100.00	.
Phosphates	(t)	45 840	43 530	63 800	25 000	0	-100.00	-100.00
Salt	(t)	136 000	143 440	182 000	180 000	180 000	32.35	0.00
Sulfur	(t)	20 000	20 000	37 500	37 000	40 000	100.00	8.11
Nat. Gas (Mio m³)		880	650	1 180	900	1 030	17.05	14.44
Petroleum	(t)	136 677 600	152 498 300	153 241 900	160 278 000	197 019 700	44.15	22.92
Total	(t)	137 592 892	153 234 800	154 475 488	161 246 000	198 069 700		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Ireland

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Lead	(t)	50 000	47 400	42 950	40 500	31 300	-37.40	-22.72
Zinc	(t)	341 000	337 500	326 700	282 600	236 300	-30.70	-16.38
Silver	(kg)	6 100	9 454	7 822	6 436	3 770	-38.20	-41.42
Gypsum	(t)	300 000	200 000	200 000	300 000	250 000	-16.67	-16.67
Nat. Gas (Mio m³)		210	200	160	140	120	-42.86	-14.29
Total	(t)	859 006	744 909	697 658	735 106	613 604		

## Israel

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	20 437	45 407	27 200	82 000	82 000	301.23	0.00
Phosphates	(t)	838 400	948 500	966 100	906 400	1 192 600	42.25	31.58
Potash	(t)	1 701 200	1 943 900	1 893 300	1 830 600	1 281 000	-24.70	-30.02
Salt	(t)	399 649	415 000	442 000	459 742	460 000	15.10	0.06
Nat. Gas (Mio m³)		4 320	2 450	6 280	7 390	8 140	88.43	10.15
Oil shales	(t)	416 000	423 000	0	0	0	-100.00	.
Petroleum	(t)	4 638	4 360	64 000	64 000	64 000	1 279.91	0.00
Total	(t)	6 836 324	5 740 167	8 416 600	9 254 742	9 591 600		

## Italy

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	141 900	72 000	0	0	0	-100.00	.
Baryte	(t)	3 500	3 500	0	0	0	-100.00	.
Bentonite	(t)	112 811	95 757	20 709	20 000	12 840	-88.62	-35.80
Feldspar	(t)	2 381 764	2 179 522	2 182 561	2 185 000	2 200 000	-7.63	0.69
Gypsum	(t)	5 939 000	2 563 000	3 163 273	5 886 650	5 717 300	-3.73	-2.88
Kaolin	(t)	200 000	200 000	577 249	384 891	305 327	52.66	-20.67
Salt	(t)	2 912 128	2 862 440	3 543 881	3 200 000	3 030 687	4.07	-5.29
Sulfur	(t)	740 000	740 000	740 000	740 000	740 000	0.00	0.00
Talc	(t)	140 000	140 000	162 234	165 000	165 000	17.86	0.00
Steam Coal	(t)	92 000	80 000	62 107	86 000	73 000	-20.65	-15.12
Nat. Gas (Mio m³)		8 339	8 605	7 735	7 149	6 771	-18.80	-5.29
Petroleum	(t)	5 286 042	5 397 000	5 502 000	5 765 000	5 470 000	3.48	-5.12
Total	(t)	24 620 345	21 217 219	22 142 014	24 151 741	23 130 954		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Jamaica

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)	10 188 912	9 339 300	9 477 133	9 676 697	9 628 818	-5.50	-0.49
Gypsum	(t)	79 521	64 753	48 322	45 200	43 000	-45.93	-4.87
Salt	(t)	14 001	14 587	14 166	14 169	14 379	2.70	1.48
Total	(t)	10 282 434	9 418 640	9 539 621	9 736 066	9 686 197		

## Japan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	4 700	4 500	3 000	500	0	-100.00	-100.00
Arsenic	(t)	40	40	45	45	45	12.50	0.00
Bismuth	(t)	483	446	485	582	773	60.04	32.82
Cadmium	(t)	1 775	1 855	1 821	1 851	1 959	10.37	5.83
Gallium	(t)	6	8	8	8	8	33.33	0.00
Germanium	(t)	2	2	2	2	2	0.00	0.00
Selenium	(t)	809	820	741	782	773	-4.45	-1.15
Tellurium	(t)	47	43	31	37	37	-21.28	0.00
Gold	(kg)	8 692	7 232	7 411	7 114	7 699	-11.42	8.22
Silver	(kg)	4 486	3 526	3 644	3 541	4 616	2.90	30.36
Bentonite	(t)	430 000	430 000	500 000	500 000	500 000	16.28	0.00
Feldspar	(t)	104 109	100 000	100 000	105 000	105 000	0.86	0.00
Kaolin	(t)	12 000	12 000	13 000	13 000	12 000	0.00	-7.69
Salt	(t)	978 000	925 000	929 000	928 000	938 000	-4.09	1.08
Sulfur	(t)	3 381 829	3 397 250	3 464 700	3 250 900	3 233 300	-4.39	-0.54
Talc	(t)	374 000	365 000	370 000	375 000	375 000	0.27	0.00
Vermiculite	(t)	6 000	6 000	6 200	6 200	6 000	0.00	-3.23
Nat. Gas (Mio m³)		3 298	3 276	2 995	2 822	2 734	-17.10	-3.12
Petroleum	(t)	749 100	714 700	618 500	579 700	536 700	-28.35	-7.42
Total	(t)	8 681 313	8 578 475	8 403 544	8 019 218	7 896 810		

## Jordan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	254 860	260 000	270 000	275 000	275 000	7.90	0.00
Kaolin	(t)	89 903	76 000	80 000	100 000	100 000	11.23	0.00
Phosphates	(t)	2 430 080	2 042 530	1 727 550	2 285 990	2 667 520	9.77	16.69
Potash	(t)	1 377 750	1 112 640	1 063 840	1 275 460	1 436 550	4.27	12.63
Salt	(t)	0	32 000	10 000	8 000	10 000	.	25.00
Sulfur	(t)	303 800	275 700	268 800	304 800	254 900	-16.10	-16.37

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Nat. Gas (Mio m³)	181	164	150	130	122	-32.60	-6.15
Petroleum (t)	1 300	1 100	1 100	800	500	-61.54	-37.50
Total (t)	4 602 493	3 931 170	3 541 290	4 354 050	4 842 070		

## Kazakhstan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	16 078 465	16 827 530	16 398 330	15 964 780	12 911 210	-19.70	-19.13
Chromium	(t)	1 780 000	1 909 900	2 008 400	2 143 900	1 992 400	11.93	-7.07
Manganese	(t)	604 500	601 000	575 800	527 000	332 100	-45.06	-36.98
Molybdenum	(t)	360	360	0	0	430	19.44	.
Titanium	(t)	22 000	29 150	30 000	20 000	12 770	-41.95	-36.15
Vanadium	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Aluminium	(t)	248 800	250 269	250 200	207 850	219 000	-11.98	5.36
Antimony	(t)	800	600	900	1 000	979	22.38	-2.10
Bauxite	(t)	5 495 200	5 170 200	5 192 800	4 515 600	4 683 000	-14.78	3.71
Cadmium	(t)	1 278	1 166	1 319	1 633	1 459	14.16	-10.66
Copper	(t)	405 300	426 200	452 500	471 700	467 500	15.35	-0.89
Gallium	(t)	19	16	0	0	0	-100.00	.
Lead	(t)	38 800	38 100	40 100	37 800	41 400	6.70	9.52
Rhenium	(kg)	3 000	3 000	2 500	300	3 306	10.20	1 002.00
Selenium	(t)	130	130	130	50	13	-90.00	-74.00
Zinc	(t)	376 700	369 700	361 500	345 200	339 300	-9.93	-1.71
Gold	(kg)	36 846	39 903	42 552	50 339	63 720	72.94	26.58
Silver	(kg)	650 649	963 182	963 829	989 247	1 305 326	100.62	31.95
Asbestos	(t)	223 200	241 200	243 400	213 100	179 700	-19.49	-15.67
Baryte	(t)	466 200	590 100	563 700	655 500	752 300	61.37	14.77
Boron	(t)	30 000	30 000	30 000	30 000	30 000	0.00	0.00
Phosphates	(t)	399 900	438 800	410 500	485 400	548 500	37.16	13.00
Salt	(t)	364 222	463 960	531 429	596 508	641 728	76.19	7.58
Sulfur	(t)	2 800 000	2 600 000	2 900 000	2 950 000	3 150 000	12.50	6.78
Steam Coal	(t)	95 666 000	99 823 000	99 916 000	89 185 000	85 000 000	-11.15	-4.69
Coking Coal	(t)	12 416 000	12 956 000	12 968 000	17 906 000	16 030 000	29.11	-10.48
Lignite	(t)	8 368 000	7 748 000	6 690 000	6 894 000	6 170 000	-26.27	-10.50
Nat. Gas (Mio m³)		39 531	40 299	42 405	43 438	45 713	15.64	5.24
Petroleum	(t)	80 060 900	79 224 500	81 786 700	80 825 600	79 452 900	-0.76	-1.70
Uranium	(t)	22 937	25 137	26 533	26 920	28 072	22.39	4.28
Total	(t)	257 496 202	262 006 224	265 304 251	258 756 980	249 557 533		

## Kenya

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	71 200	43 700	93 000	0	0	-100.00	.
Titanium	(t)		0	3 190	258 910	319 750	.	23.50

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gold	(kg)	1 636	3 642	2 100	237	300	-81.66	26.58
Diatomite	(t)	2 039	1 746	1 054	1 195	1 090	-46.54	-8.79
Fluorspar	(t)	95 051	91 000	71 987	97 156	70 096	-26.25	-27.85
Gypsum	(t)	6 520	6 653	5 500	5 900	5 800	-11.04	-1.69
Kaolin	(t)	1 100	1 100	1 100	1 100	1 100	0.00	0.00
Salt	(t)	24 639	9 980	8 895	18 936	21 201	-13.95	11.96
Vermiculite	(t)	515	457	400	440	410	-20.39	-6.82
Zircon	(t)			0	15 004	25 951	.	72.96
Total	(t)	201 066	154 640	185 128	398 641	445 398		

## Korea, North

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	1 500 000	1 450 000	865 000	963 600	579 300	-61.38	-39.88
Tungsten	(t)	110	95	85	70	72	-34.55	2.86
Cadmium	(t)	200	200	200	200	200	0.00	0.00
Copper	(t)	7 000	6 700	6 200	14 400	15 000	114.29	4.17
Lead	(t)	32 000	38 000	40 000	36 100	32 400	1.25	-10.25
Zinc	(t)	34 000	35 000	36 000	32 000	32 000	-5.88	0.00
Silver	(kg)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Fluorspar	(t)	12 500	6 500	5 000	5 000	4 000	-68.00	-20.00
Graphite	(t)	30 000	40 000	30 000	30 000	40 000	33.33	33.33
Magnesite	(t)	150 000	150 000	180 000	180 200	154 000	2.67	-14.54
Phosphates	(t)	93 000	95 000	95 000	95 000	95 000	2.15	0.00
Salt	(t)	500 000	500 000	500 000	500 000	500 000	0.00	0.00
Sulfur	(t)	42 000	42 000	42 000	42 000	42 000	0.00	0.00
Talc	(t)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Steam Coal	(t)	30 184 000	30 288 000	29 942 000	30 831 000	35 208 000	16.64	14.20
Lignite	(t)	4 684 000	4 488 000	3 342 000	3 741 000	3 975 000	-15.14	6.26
Total	(t)	37 318 860	37 189 545	35 133 535	36 520 620	40 727 022		

## Korea, South

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	324 920	355 650	397 830	415 960	267 190	-17.77	-35.77
Molybdenum	(t)	439	421	453	490	258	-41.23	-47.35
Titanium	(t)	100 900	111 090	126 350	132 490	112 250	11.25	-15.28
Tungsten	(t)	5	14	0	12	8	60.00	-33.33
Cadmium	(t)	3 005	3 904	3 904	4 300	3 620	20.47	-15.81
Lead	(t)	1 290	1 940	2 500	2 760	2 920	126.36	5.80
Zinc	(t)	740	1 430	1 750	1 920	2 070	179.73	7.81

**Total Prod.:** different units (m<sup>3</sup>, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gold	(kg)	209	336	413	283	269	28.71	-4.95
Silver	(kg)	2 649	2 926	3 897	3 264	4 586	73.12	40.50
Bentonite	(t)	94 987	88 543	80 188	71 850	78 439	-17.42	9.17
Diatomite	(t)	5 150	6 000	34 000	65 893	15 310	197.28	-76.77
Feldspar	(t)	384 221	359 513	343 366	528 958	601 030	56.43	13.63
Graphite	(t)	0	0	0	0	62	.	.
Kaolin	(t)	798 690	514 841	532 050	429 081	356 866	-55.32	-16.83
Salt	(t)	372 230	308 847	421 259	303 510	342 844	-7.89	12.96
Sulfur	(t)	1 738 400	1 750 000	1 750 000	1 800 000	1 960 000	12.75	8.89
Talc	(t)	526 316	504 758	607 881	628 349	603 231	14.61	-4.00
Steam Coal	(t)	2 084 000	2 094 000	1 815 000	1 748 000	1 764 050	-15.35	0.92
Total	(t)	6 435 297	6 100 954	6 116 535	6 133 576	6 110 153		

## Kosovo

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium	(t)	0	300	800	1 000	0	.	-100.00
Nickel	(t)	7 500	4 400	7 600	6 700	7 900	5.33	17.91
Lead	(t)	4 500	6 700	7 400	7 700	6 400	42.22	-16.88
Zinc	(t)	2 900	3 800	5 000	5 500	4 000	37.93	-27.27
Silver	(kg)	1 800	1 800	0	0	0	-100.00	.
Lignite	(t)	8 212 100	8 028 400	8 219 400	7 204 200	8 241 000	0.35	14.39
Total	(t)	8 227 002	8 043 602	8 240 200	7 225 100	8 259 300		

## Kuwait

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Salt	(t)	12 709	12 000	65 243	56 273	55 000	332.76	-2.26
Sulfur	(t)	743 000	844 300	850 000	823 860	753 500	1.41	-8.54
Nat. Gas (Mio m³)		13 533	15 515	16 311	15 029	16 909	24.95	12.51
Petroleum	(t)	132 403 300	148 284 500	145 650 100	142 766 600	142 363 300	7.52	-0.28
Total	(t)	143 985 409	161 552 800	159 614 143	155 669 933	156 699 000		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Kyrgyzstan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Tungsten	(t)	100	100	100	0	80	-20.00	.
Antimony	(t)	892	924	900	1 450	1 200	34.53	-17.24
Copper	(t)			0	700	3 100	.	342.86
Mercury	(t)	113	75	31	46	20	-82.30	-56.52
Gold	(kg)	18 600	10 333	19 298	18 117	17 015	-8.52	-6.08
Silver	(kg)	4 900	2 650	5 070	5 609	8 101	65.33	44.43
Gypsum	(t)	1 002 000	312 700	600 700	484 300	60 617	-93.95	-87.48
Kaolin	(t)	163 000	124 500	187 400	200 000	200 000	22.70	0.00
Salt	(t)	2 400	2 700	3 900	5 300	4 744	97.67	-10.49
Steam Coal	(t)	109 000	153 000	251 000	291 700	228 000	109.17	-21.84
Lignite	(t)	722 000	1 011 000	1 157 000	1 505 000	1 641 000	127.29	9.04
Nat. Gas (Mio m³)		27	29	25	32	28	3.70	-12.50
Petroleum	(t)	77 100	77 100	77 000	74 050	96 400	25.03	30.18
Total	(t)	2 098 229	1 705 312	2 298 055	2 588 170	2 257 586		

## Laos

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	26 470	121 630	560 950	680 840	660 000	2 393.39	-3.06
Antimony	(t)	728	521	804	620	700	-3.85	12.90
Copper	(t)	138 757	149 580	154 915	159 696	167 702	20.86	5.01
Lead	(t)	1 360	160	1 600	100	370	-72.79	270.00
Tin	(t)	262	520	579	868	1 020	289.31	17.51
Zinc	(t)	2 160	1 162	2 000	2 000	0	-100.00	-100.00
Gold	(kg)	3 984	6 415	6 838	5 260	6 893	73.02	31.05
Silver	(kg)	17 976	20 292	32 262	39 801	51 764	187.96	30.06
Baryte	(t)	12 400	21 900	10 500	30 610	90 330	628.47	195.10
Gypsum	(t)	686 100	562 386	772 138	584 338	600 000	-12.55	2.68
Potash	(t)	0	26 600	82 500	189 400	239 100	.	26.24
Salt	(t)	45 400	47 600	50 000	51 000	50 000	10.13	-1.96
Steam Coal	(t)	166 609	129 927	104 260	105 564	105 000	-36.98	-0.53
Lignite	(t)	511 700	575 387	403 925	26 320	200 000	-60.91	659.88
Total	(t)	1 591 968	1 637 399	2 144 210	1 831 401	2 114 281		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Latvia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	215 950	252 710	272 340	270 120	225 370	4.36	-16.57
Total	(t)	215 950	252 710	272 340	270 120	225 370		

## Lebanon

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	110 000	110 000	110 000	110 000	110 000	0.00	0.00
Salt	(t)	20 000	20 000	20 000	15 000	15 000	-25.00	0.00
Total	(t)	130 000	130 000	130 000	125 000	125 000		

## Lesotho

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Diam. (Gem)	(ct)	44 836	95 785	82 803	69 203	60 846	35.71	-12.08
Diam. (Ind)	(ct)	179 344	383 141	331 211	276 814	243 386	35.71	-12.08
Total	(t)	0	0	0	0	0		

## Liberia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	193 500	1 184 900	2 474 000	2 594 900	1 921 400	892.97	-25.95
Gold	(kg)	449	641	587	620	1 016	126.28	63.87
Diam. (Gem)	(ct)	23 920	20 560	28 690	44 930	44 240	84.95	-1.54
Diam. (Ind)	(ct)	15 950	13 710	19 130	29 950	29 490	84.89	-1.54
Total	(t)	193 500	1 184 901	2 474 001	2 594 901	1 921 401		

## Libya

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	250 000	120 000	120 000	150 000	150 000	-40.00	0.00
Salt	(t)	40 000	40 000	30 000	30 000	30 000	-25.00	0.00
Sulfur	(t)	50 000	100 000	70 000	50 000	50 000	0.00	0.00

**Total Prod.:** different units (m<sup>3</sup>, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Nat. Gas (Mio m³)		7 860	12 170	10 360	11 810	12 760	62.34	8.04
Petroleum	(t)	22 492 300	71 069 800	46 444 900	23 332 000	20 204 600	-10.17	-13.40
Total	(t)	29 120 300	81 065 800	54 952 900	33 010 000	30 642 600		

## Lithuania

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Sulfur	(t)	76 700	73 050	81 400	76 600	84 000	9.52	9.66
Petroleum	(t)	113 895	101 644	86 030	81 920	73 100	-35.82	-10.77
Total	(t)	190 595	174 694	167 430	158 520	157 100		

## Macedonia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Nickel	(t)	17 292	20 782	21 133	0	0	-100.00	.
Copper	(t)	7 550	8 901	8 763	8 500	8 834	17.01	3.93
Lead	(t)	37 290	39 180	42 820	43 810	37 920	1.69	-13.44
Zinc	(t)	28 130	28 040	30 910	31 570	29 150	3.63	-7.67
Silver	(kg)	30 000	31 000	32 000	33 000	30 000	0.00	-9.09
Bentonite	(t)	8 918	2 355	18 520	11 691	9 004	0.96	-22.98
Feldspar	(t)	25 032	17 168	15 168	18 076	20 289	-18.95	12.24
Gypsum	(t)	162 984	157 844	162 661	156 492	172 525	5.85	10.25
Talc	(t)	547	286	621	483	598	9.32	23.81
Lignite	(t)	7 902 084	7 309 546	6 633 560	6 469 819	5 927 749	-24.98	-8.38
Total	(t)	8 189 857	7 584 133	6 934 188	6 740 474	6 206 099		

## Madagascar

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium	(t)	32 683	45 100	57 420	60 750	98 000	199.85	61.32
Cobalt	(t)		718	2 340	3 221	3 920	.	21.70
Nickel	(t)		8 254	26 908	37 046	45 075	.	21.67
Titanium	(t)	269 450	353 700	304 100	206 700	102 700	-61.89	-50.31
Gold	(kg)	1	157	0	0	0	-100.00	.
Graphite	(t)	3 573	3 629	3 833	5 316	8 100	126.70	52.37
Salt	(t)	75 000	75 000	75 000	80 000	80 000	6.67	0.00
Zircon	(t)	18 242	31 242	31 345	27 275	12 500	-31.48	-54.17
Total	(t)	398 948	517 643	500 946	420 308	350 295		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Malawi

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bentonite	(t)	1 000	1 000	0	0	0	-100.00	.
Phosphates	(t)	0	2 110	2 000	1 900	2 110	.	11.05
Steam Coal	(t)	76 500	70 552	67 024	63 673	58 774	-23.17	-7.69
Uranium	(t)	998	1 298	1 335	435	0	-100.00	-100.00
Total	(t)	78 498	74 960	70 359	66 008	60 884		

## Malaysia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	5 044 960	6 858 190	7 644 580	6 057 650	1 015 450	-79.87	-83.24
Manganese	(t)	287 000	527 800	540 060	401 010	247 340	-13.82	-38.32
Tantalum	(t)	11	26	19	26	25	127.27	-3.85
Titanium	(t)	15 830	12 250	8 820	4 490	3 400	-78.52	-24.28
Aluminium	(t)	188 100	121 900	290 000	440 000	440 000	133.92	0.00
Bauxite	(t)	182 931	121 873	219 888	3 676 876	21 000 000	11 379.74	471.14
Rare Earths	(t)	571	113	261	220	200	-64.97	-9.09
Tin	(t)	3 343	3 725	3 697	3 777	4 159	24.41	10.11
Gold	(kg)	4 219	4 625	3 823	4 308	4 854	15.05	12.67
Silver	(kg)	460	1 627	361	533	900	95.65	68.86
Baryte	(t)	0	0	500	14 456	16 624	.	15.00
Feldspar	(t)	379 629	237 945	314 399	378 446	340 777	-10.23	-9.95
Kaolin	(t)	405 717	438 923	293 480	207 694	261 574	-35.53	25.94
Zircon	(t)	1 685	442	379	677	650	-61.42	-3.99
Steam Coal	(t)	2 915 788	2 941 620	2 907 463	2 687 764	2 559 444	-12.22	-4.77
Nat. Gas (Mio m³)		61 306	62 241	64 818	65 441	63 425	3.46	-3.08
Petroleum	(t)	27 999 000	28 777 000	28 249 000	30 023 000	32 580 100	16.36	8.52
Total	(t)	86 469 369	89 834 614	92 326 950	96 248 891	109 209 749		

## Mali

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	42 100	46 200	47 000	45 800	46 503	10.46	1.53
Total	(t)	42	46	47	46	47		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Malta

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Salt	(t)	6 000	6 000	6 000	6 000	5 000	-16.67	-16.67
Total	(t)	6 000	6 000	6 000	6 000	5 000		

## Mauritania

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	7 264 400	7 272 900	8 491 300	8 648 800	7 544 600	3.86	-12.77
Copper	(t)	39 900	37 670	37 970	33 079	45 001	12.78	36.04
Gold	(kg)	8 199	7 647	9 518	9 624	8 805	7.39	-8.51
Gypsum	(t)	72 153	45 576	20 000	20 000	35 000	-51.49	75.00
Petroleum	(t)	385 200	329 300	334 800	296 000	263 700	-31.54	-10.91
Total	(t)	7 761 661	7 685 454	8 884 080	8 997 889	7 888 310		

## Mexico

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	7 683 467	8 949 565	11 303 740	9 976 750	8 077 160	5.12	-19.04
Manganese	(t)	170 935	188 294	211 559	235 686	217 466	27.22	-7.73
Molybdenum	(t)	10 787	11 366	12 562	14 370	11 327	5.01	-21.18
Antimony	(t)	100	169	294	266	501	401.00	88.35
Bauxite	(t)	14 400	96 000	0	0	0	-100.00	.
Bismuth	(t)	935	800	824	948	601	-35.72	-36.60
Cadmium	(t)	1 485	1 482	1 451	1 409	1 283	-13.60	-8.94
Copper	(t)	443 621	500 275	480 124	515 025	594 451	34.00	15.42
Lead	(t)	223 717	238 091	253 361	250 462	263 772	17.90	5.31
Mercury	(t)	122	190	268	301	307	151.64	1.99
Selenium	(t)	95	95	132	123	107	12.63	-13.01
Zinc	(t)	631 859	660 349	642 542	659 878	786 774	24.52	19.23
Gold	(kg)	88 649	102 802	117 848	117 771	134 759	52.01	14.42
Silver	(kg)	4 777 710	5 358 195	5 827 001	5 765 662	5 955 151	24.64	3.29
Baryte	(t)	134 727	139 997	343 585	350 000	265 700	97.21	-24.09
Bentonite	(t)	563 795	956 224	826 887	519 625	294 236	-47.81	-43.38
Diatomite	(t)	84 231	84 537	87 463	87 849	89 810	6.62	2.23
Feldspar	(t)	382 497	380 441	164 484	150 726	159 372	-58.33	5.74
Fluorspar	(t)	1 206 907	1 237 091	1 210 477	1 109 721	624 574	-48.25	-43.72
Graphite	(t)	7 348	7 520	7 024	9 160	6 524	-11.21	-28.78

**Total Prod.:** different units (m<sup>3</sup>, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gypsum	(t)	6 463 860	9 456 478	7 903 159	7 043 563	7 101 612	9.87	0.82
Kaolin	(t)	372 506	514 730	669 860	546 437	366 049	-1.73	-33.01
Magnesite	(t)		100 724	101 000	100 000	101 000	.	1.00
Perlite	(t)	30 750	29 950	27 200	26 000	13 000	-57.72	-50.00
Phosphates	(t)	507 182	517 400	717 435	520 040	578 830	14.13	11.30
Salt	(t)	9 361 454	10 100 935	10 126 601	10 520 508	9 718 027	3.81	-7.63
Sulfur	(t)	959 663	1 011 900	1 030 259	992 939	858 527	-10.54	-13.54
Talc	(t)	51 221	463 214	846 813	752 077	20 452	-60.07	-97.28
Vermiculite	(t)	241	500	425	226	299	24.07	32.30
Steam Coal	(t)	13 718 159	13 656 051	13 065 353	13 453 540	7 245 472	-47.18	-46.14
Coking Coal	(t)	2 043 000	2 166 046	2 216 314	2 229 899	1 778 725	-12.94	-20.23
Nat. Gas (Mio m³)		58 250	57 190	58 190	57 060	53 210	-8.65	-6.75
Petroleum	(t)	144 610 830	143 906 670	141 893 180	137 140 590	127 576 930	-11.78	-6.97
Total	(t)	236 284 761	241 134 545	240 702 321	232 862 002	209 326 978		

## Moldova

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	159 300	188 200	161 500	172 300	194 900	22.35	13.12
Total	(t)	159 300	188 200	161 500	172 300	194 900		

## Mongolia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	3 406 980	4 536 840	3 606 720	6 156 300	3 704 040	8.72	-39.83
Molybdenum	(t)	1 957	1 904	1 819	1 999	2 557	30.66	27.91
Tungsten	(t)	84	117	249	765	877	944.05	14.64
Copper	(t)	121 590	123 940	189 000	251 330	314 325	158.51	25.06
Tin	(t)	42	54	60	60	4	-90.48	-93.33
Zinc	(t)	52 350	59 550	52 050	46 600	44 800	-14.42	-3.86
Gold	(kg)	5 703	5 995	8 904	19 963	20 829	265.23	4.34
Silver	(kg)	26 750	26 770	41 060	54 820	69 000	157.94	25.87
Fluorspar	(t)	407 100	428 900	337 800	313 300	280 300	-31.15	-10.53
Salt	(t)	2 182	2 461	2 179	1 852	1 686	-22.73	-8.96
Steam Coal	(t)	12 878 000	11 684 000	12 692 000	10 477 000	10 597 000	-17.71	1.15
Coking Coal	(t)	11 645 000	8 791 000	6 876 000	5 702 000	7 853 000	-32.56	37.72
Lignite	(t)	5 074 000	5 936 000	6 330 000	6 365 000	5 755 000	13.42	-9.58
Petroleum	(t)	347 700	496 000	699 600	1 010 100	1 183 000	240.24	17.12
Total	(t)	33 937 018	32 060 799	30 787 527	30 326 381	29 736 679		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Montenegro

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	92 838	74 813	47 951	42 767	42 499	-54.22	-0.63
Bauxite	(t)	158 614	0	61 154	155 153	50 369	-68.24	-67.54
Lead	(t)	1 200	1 500	1 700	1 800	1 800	50.00	0.00
Zinc	(t)	3 300	4 600	4 600	7 200	7 000	112.12	-2.78
Salt	(t)	10 000	16 000	10 000	0	0	-100.00	.
Lignite	(t)	1 972 671	1 785 999	1 692 535	1 655 045	1 734 769	-12.06	4.82
Total	(t)	2 238 623	1 882 912	1 817 940	1 861 965	1 836 437		

## Morocco

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	28 404	93 850	108 400	8 250	8 500	-70.07	3.03
Cobalt	(t)	1 518	1 314	1 378	1 391	1 722	13.44	23.80
Manganese	(t)	29 000	45 100	55 500	45 640	47 500	63.79	4.08
Nickel	(t)	217	288	160	0	0	-100.00	.
Antimony	(t)	1 310	590	600	1 380	0	-100.00	-100.00
Arsenic	(t)	8 150	8 820	8 968	6 863	7 000	-14.11	2.00
Copper	(t)	12 080	16 580	13 020	22 360	26 850	122.27	20.08
Lead	(t)	30 860	27 550	30 790	27 530	48 200	56.19	75.08
Mercury	(t)	20	20	20	20	20	0.00	0.00
Zinc	(t)	45 680	46 440	41 820	45 410	55 360	21.19	21.91
Gold	(kg)	520	519	463	377	448	-13.85	18.83
Silver	(kg)	186 090	170 340	194 078	189 147	216 383	16.28	14.40
Baryte	(t)	769 500	1 021 400	1 094 500	1 006 600	1 040 000	35.15	3.32
Bentonite	(t)	97 100	91 200	105 240	98 757	100 000	2.99	1.26
Feldspar	(t)	43 889	36 000	61 000	45 000	45 000	2.53	0.00
Fluorspar	(t)	79 200	79 300	81 200	79 840	85 000	7.32	6.46
Phosphates	(t)	8 960 000	8 643 000	8 441 700	8 748 400	8 388 700	-6.38	-4.11
Salt	(t)	720 800	144 200	488 300	439 160	430 000	-40.34	-2.09
Talc	(t)	5 100	200	0	0	0	-100.00	.
Nat. Gas (Mio m³)		56	76	92	94	95	69.64	1.06
Petroleum	(t)	9 620	7 000	6 000	5 200	4 998	-48.05	-3.88
Total	(t)	10 887 435	10 323 823	10 612 391	10 657 190	10 365 066		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Mozambique

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Niobium	(t)	11	33	6	9	5	-54.55	-44.44
Tantalum	(t)	38	184	35	50	28	-26.32	-44.00
Titanium	(t)	356 400	320 800	399 900	475 800	425 600	19.42	-10.55
Aluminium	(t)	562 000	562 000	564 000	566 880	558 390	-0.64	-1.50
Bauxite	(t)	10 352	8 633	6 190	3 386	4 985	-51.85	47.22
Gold	(kg)	111	178	91	197	242	118.02	22.84
Bentonite	(t)	493	846	93	739	350	-29.01	-52.64
Diatomite	(t)	49	541	375	78	0	-100.00	-100.00
Salt	(t)	110 000	110 000	110 000	120 000	120 000	9.09	0.00
Zircon	(t)	43 600	46 900	31 400	50 800	51 800	18.81	1.97
Steam Coal	(t)	373 000	1 962 200	2 312 973	2 546 586	1 813 717	386.25	-28.78
Coking Coal	(t)	275 000	2 991 794	3 556 776	3 784 603	4 786 612	1 640.59	26.48
Nat. Gas (Mio m³)		3 492	3 896	4 350	4 710	5 050	44.62	7.22
Petroleum	(t)	54 340	55 700	56 810	40 690	63 720	17.26	56.60
Total	(t)	4 578 883	9 176 431	10 518 558	11 357 621	11 865 207		

## Myanmar

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	234 400	114 500	157 600	96 800	28 000	-88.05	-71.07
Nickel	(t)	800	5 000	6 100	21 000	26 400	3 200.00	25.71
Tungsten	(t)	170	200	200	100	250	47.06	150.00
Antimony	(t)	5 600	5 900	7 200	3 360	3 000	-46.43	-10.71
Copper	(t)	12 000	12 000	20 000	33 200	46 900	290.83	41.27
Lead	(t)	8 700	9 800	11 700	18 000	13 600	56.32	-24.44
Tin	(t)	2 100	2 100	9 000	17 000	29 000	1 280.95	70.59
Zinc	(t)	9 300	10 000	4 800	6 100	4 850	-47.85	-20.49
Gold	(kg)	100	380	611	689	1 250	1 150.00	81.42
Baryte	(t)	29 743	15 339	31 295	23 060	2 836	-90.46	-87.70
Bentonite	(t)	170	550	1 552	0	0	-100.00	.
Gypsum	(t)	89 900	64 079	60 510	104 994	99 860	11.08	-4.89
Salt	(t)	162 319	207 261	169 109	187 616	129 478	-20.23	-30.99
Steam Coal	(t)	646 000	782 000	535 000	642 000	535 000	-17.18	-16.67
Lignite	(t)	47 000	62 000	42 000	50 000	42 000	-10.64	-16.00
Nat. Gas (Mio m³)		12 900	13 220	13 660	18 500	19 210	48.91	3.84
Petroleum	(t)	903 400	858 500	847 600	810 500	663 100	-26.60	-18.19
Total	(t)	12 471 602	12 725 229	12 831 667	16 813 731	16 992 275		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t

**Abbreviations:** see Explanation

## Namibia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	48 400	57 600	58 000	32 000	10 110	-79.11	-68.41
Arsenic	(t)	1 750	4 045	2 000	1 980	2 000	14.29	1.01
Copper	(t)	3 400	5 304	5 182	5 086	13 913	309.21	173.55
Lead	(t)	8 300	9 200	10 800	11 700	9 700	16.87	-17.09
Zinc	(t)	191 200	194 400	184 100	156 300	123 675	-35.32	-20.87
Gold	(kg)	2 063	2 287	2 046	2 140	6 085	194.96	184.35
Silver	(kg)	0	1 000	1 400	1 128	877	.	-22.25
Diam. (Gem)	(ct)	1 269 200	1 576 438	1 674 260	1 791 002	1 676 108	32.06	-6.42
Diam. (Ind)	(ct)	66 800	82 970	88 118	94 263	88 216	32.06	-6.42
Fluorspar	(t)	90 834	74 157	65 348	99 984	0	-100.00	-100.00
Salt	(t)	1 263 317	810 000	826 985	797 405	732 980	-41.98	-8.08
Uranium	(t)	3 831	5 005	4 878	3 839	3 473	-9.34	-9.53
Total	(t)	1 611 034	1 159 714	1 157 296	1 108 297	895 858		

## Nauru

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Phosphates	(t)	197 200	167 600	136 800	58 000	45 700	-76.83	-21.21
Total	(t)	197 200	167 600	136 800	58 000	45 700		

## Nepal

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Talc	(t)	3 556	6 935	5 140	5 703	2 211	-37.82	-61.23
Steam Coal	(t)	13 165	10 904	14 084	8 151	1 189	-90.97	-85.41
Total	(t)	16 721	17 839	19 224	13 854	3 400		

## Netherlands

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	200 000	86 300	81 000	800	28 200	-85.90	3 425.00
Cadmium	(t)	570	560	560	600	620	8.77	3.33
Salt	(t)	6 865 000	6 513 000	6 518 000	6 485 000	6 742 969	-1.78	3.98

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Nat. Gas (Mio m³)	76 380	75 970	81 479	68 621	51 237	-32.92	-25.33
Petroleum (t)	1 522 000	1 513 900	1 558 700	1 943 700	1 844 700	21.20	-5.09
Total (t)	69 691 570	68 889 760	73 341 460	63 326 900	49 606 089		

## New Caledonia

	2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Cobalt (t)	2 404	2 631	3 080	4 040	4 500	87.19	11.39
Nickel (t)	128 732	131 694	164 406	178 080	186 065	44.54	4.48
Total (t)	131 136	134 325	167 486	182 120	190 565		

## New Zealand

	2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron (t)	1 367 315	1 389 000	1 830 850	1 882 310	1 852 360	35.47	-1.59
Aluminium (t)	357 000	326 963	324 835	328 269	335 292	-6.08	2.14
Gold (kg)	11 761	10 049	12 468	11 989	12 687	7.87	5.82
Silver (kg)	14 325	5 630	11 223	15 811	12 498	-12.75	-20.95
Bentonite (t)	0	2 263	762	1 000	700	.	-30.00
Diatomite (t)	0	0	4	43 624	0	.	-100.00
Kaolin (t)	21 545	11 578	13 066	61 382	13 659	-36.60	-77.75
Perlite (t)	0	3 598	0	0	0	.	.
Salt (t)	70 000	76 000	60 000	65 000	65 000	-7.14	0.00
Steam Coal (t)	2 505 000	2 526 000	2 184 000	1 901 000	1 738 000	-30.62	-8.57
Coking Coal (t)	2 120 000	2 075 000	2 152 000	1 760 000	1 334 000	-37.08	-24.20
Lignite (t)	320 100	325 900	290 400	316 692	324 086	1.25	2.33
Nat. Gas (Mio m³)	3 995	4 277	4 526	5 016	4 598	15.09	-8.33
Petroleum (t)	2 124 800	1 866 600	1 605 500	1 788 300	1 869 700	-12.01	4.55
Total (t)	12 081 786	12 024 518	12 082 240	12 160 405	11 211 222		

## Nicaragua

	2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold (kg)	6 395	6 981	8 611	8 648	8 522	33.26	-1.46
Silver (kg)	7 928	10 207	13 745	13 587	18 227	129.91	34.15
Gypsum (t)	29 709	34 886	36 498	46 569	37 115	24.93	-20.30
Salt (t)	30 000	30 000	50 000	55 200	55 000	83.33	-0.36
Total (t)	59 723	64 903	86 521	101 792	92 142		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Niger

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	1 846	1 677	1 151	732	1 220	-33.91	66.67
Silver	(kg)	200	329	110	67	100	-50.00	49.25
Gypsum	(t)	6 058	600	0	0	0	-100.00	.
Salt	(t)	1 300	0	0	0	0	-100.00	.
Steam Coal	(t)	246 016	235 072	241 792	255 936	221 024	-10.16	-13.64
Petroleum	(t)	92 800	633 200	886 300	853 400	744 600	702.37	-12.75
Uranium	(t)	4 905	5 685	4 994	4 901	4 852	-1.08	-1.00
Total	(t)	351 081	874 559	1 133 087	1 114 238	970 477		

## Nigeria

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	29 400	29 400	21 000	20 000	20 000	-31.97	0.00
Niobium	(t)	31	31	30	30	22	-29.03	-26.67
Tantalum	(t)	78	78	75	75	55	-29.49	-26.67
Aluminium	(t)	15 000	22 000	2 000	0	0	-100.00	.
Lead	(t)	7 000	11 300	11 500	11 400	8 000	14.29	-29.82
Tin	(t)	1 406	2 408	2 516	2 485	2 298	63.44	-7.53
Zinc	(t)	3 100	13 800	7 000	7 000	14 200	358.06	102.86
Gold	(kg)	3 700	4 000	4 000	4 000	4 000	8.11	0.00
Baryte	(t)	4 988	10 000	10 000	10 000	10 000	100.48	0.00
Kaolin	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Steam Coal	(t)	13 430	62 410	40 360	127 467	144 880	978.78	13.66
Nat. Gas (Mio m³)		40 580	43 290	36 170	45 050	52 700	29.87	16.98
Petroleum	(t)	118 156 000	116 319 000	109 187 000	108 921 000	105 500 000	-10.71	-3.14
Total	(t)	150 794 437	151 202 431	138 317 485	145 239 461	147 959 459		

## Norway

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	1 620 500	2 189 200	2 181 300	2 466 600	2 252 200	38.98	-8.69
Molybdenum	(t)		4	8	2	1	.	-50.00
Nickel	(t)	300	400	300	290	300	0.00	3.45
Titanium	(t)	382 730	365 470	363 500	380 010	277 340	-27.54	-27.02

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Aluminium	(t)	1 201 000	1 110 900	1 172 900	1 182 000	1 227 787	2.23	3.87
Cadmium	(t)	309	310	310	320	310	0.32	-3.13
Feldspar	(t)	25 271	0	0	1 278	76	-99.70	-94.05
Graphite	(t)	7 789	6 992	6 207	8 308	9 185	17.92	10.56
Sulfur	(t)	115 000	110 000	130 000	130 000	110 000	-4.35	-15.38
Talc	(t)	8 191	7 983	0	0	0	-100.00	.
Steam Coal	(t)	1 639 000	1 325 655	2 067 522	1 701 077	1 203 382	-26.58	-29.26
Nat. Gas (Mio m³)		101 266	114 723	108 746	108 820	117 152	15.69	7.66
Petroleum	(t)	91 886 400	84 378 600	80 045 100	81 588 600	84 089 700	-8.49	3.07
Total	(t)	177 899 290	181 273 914	172 963 947	174 514 485	182 891 881		

## Oman

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium	(t)	253 680	221 920	317 000	300 480	177 280	-30.12	-41.00
Manganese	(t)	10 775	9 380	12 850	9 380	3 950	-63.34	-57.89
Aluminium	(t)	375 000	360 000	354 000	364 000	377 186	0.58	3.62
Copper	(t)	23 400	21 760	12 050	15 140	8 650	-63.03	-42.87
Gold	(kg)	40	19	0	0	0	-100.00	.
Silver	(kg)	1 979	486	0	0	0	-100.00	.
Gypsum	(t)	1 254 051	1 915 300	2 812 600	3 387 300	6 180 800	392.87	82.47
Kaolin	(t)	142 600	139 500	114 700	66 600	169 500	18.86	154.50
Salt	(t)	12 348	12 800	11 800	12 900	12 600	2.04	-2.33
Sulfur	(t)	45 790	53 490	32 800	41 950	43 295	-5.45	3.21
Nat. Gas (Mio m³)		28 595	29 606	30 294	28 934	32 801	14.71	13.36
Petroleum	(t)	44 056 600	45 857 700	46 894 300	46 972 000	48 844 500	10.87	3.99
Total	(t)	69 050 246	72 276 650	74 797 300	74 316 950	82 058 561		

## Pakistan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	125 060	146 260	156 600	74 890	124 910	-0.12	66.79
Chromium	(t)	59 210	71 680	54 580	34 230	40 700	-31.26	18.90
Antimony	(t)	25	12	89	979	114	356.00	-88.36
Bauxite	(t)	9 033	30 223	25 288	31 156	24 689	173.32	-20.76
Copper	(t)	15 672	19 229	13 500	13 122	13 056	-16.69	-0.50
Lead	(t)	900	600	120	1 195	136	-84.89	-88.62
Zinc	(t)	11 100	10 024	0	0	0	-100.00	.

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Baryte	(t)	31 836	48 510	118 471	133 658	204 940	543.74	53.33
Bentonite	(t)	30 840	16 520	26 077	40 374	23 283	-24.50	-42.33
Feldspar	(t)	23 254	53 235	38 218	92 672	38 568	65.86	-58.38
Fluorspar	(t)	3 156	6 859	13 344	7 500	5 960	88.85	-20.53
Gypsum	(t)	885 368	1 260 021	1 249 967	1 326 437	1 417 007	60.05	6.83
Kaolin	(t)	16 000	22 000	22 917	16 191	18 956	18.48	17.08
Magnesite	(t)	4 908	5 544	6 705	3 770	4 581	-6.66	21.51
Phosphates	(t)	5 570	12 490	18 890	18 350	15 230	173.43	-17.00
Salt	(t)	1 953 711	2 135 760	2 159 939	2 530 507	2 404 116	23.05	-4.99
Sulfur	(t)	27 645	25 560	20 610	35 672	19 730	-28.63	-44.69
Talc	(t)	47 561	55 515	93 214	89 022	116 223	144.37	30.56
Steam Coal	(t)	3 291 617	3 178 986	2 813 079	3 340 192	3 407 659	3.53	2.02
Nat. Gas (Mio m³)		41 680	44 150	42 646	42 302	41 511	-0.41	-1.87
Petroleum	(t)	3 163 100	3 233 300	3 663 100	4 155 885	4 538 165	43.47	9.20
Uranium	(t)	53	53	48	53	53	0.00	0.00
Total	(t)	43 049 619	45 652 381	44 611 556	45 787 455	45 626 876		

## Panama

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	2 057	2 207	1 116	11	0	-100.00	-100.00
Salt	(t)	16 577	15 596	27 197	25 660	23 294	40.52	-9.22
Total	(t)	16 579	15 598	27 198	25 660	23 294		

## Papua New Guinea

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium	(t)		3 630	40 500	42 570	45 000	.	5.71
Cobalt	(t)		473	1 013	2 134	2 505	.	17.39
Nickel	(t)		4 758	11 369	20 988	25 582	.	21.89
Copper	(t)	130 500	125 348	105 523	75 901	49 629	-61.97	-34.61
Gold	(kg)	62 271	55 660	58 476	52 631	51 495	-17.31	-2.16
Silver	(kg)	93 310	81 332	89 885	82 642	62 943	-32.54	-23.84
Nat. Gas (Mio m³)		157	149	156	1 639	2 941	1 773.25	79.44
Petroleum	(t)	1 503 537	1 430 600	1 490 500	2 395 600	2 951 500	96.30	23.21
Total	(t)	1 759 792	1 684 146	1 773 853	3 848 529	5 427 130		

## Paraguay

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	4 500	4 500	4 500	4 500	4 500	0.00	0.00
Kaolin	(t)	10 000	10 000	10 000	10 000	6 000	-40.00	-40.00
Total	(t)	14 500	14 500	14 500	14 500	10 500		

## Peru

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	4 767 438	4 545 490	4 542 850	4 890 960	4 978 150	4.42	1.78
Molybdenum	(t)	19 141	16 790	18 140	17 018	20 153	5.29	18.42
Tungsten	(t)	433	289	28	61	110	-74.60	80.33
Antimony	(t)	0	0	500	244	250	.	2.46
Bismuth	(t)	0	5	588	188	0	.	-100.00
Cadmium	(t)	572	684	695	769	757	32.34	-1.56
Copper	(t)	1 235 345	1 298 761	1 375 639	1 377 642	1 700 814	37.68	23.46
Lead	(t)	230 199	249 236	266 472	277 294	315 784	37.18	13.88
Selenium	(t)	54	42	50	40	40	-25.93	0.00
Tellurium	(t)	0	0	22	9	0	.	-100.00
Tin	(t)	28 882	26 105	23 668	23 105	19 511	-32.45	-15.56
Zinc	(t)	1 256 383	1 281 282	1 351 273	1 315 475	1 421 523	13.14	8.06
Gold	(kg)	166 186	161 545	156 257	140 097	146 823	-11.65	4.80
Silver	(kg)	3 418 863	3 480 857	3 674 283	3 768 147	4 101 568	19.97	8.85
Baryte	(t)	87 848	79 451	53 139	106 071	28 407	-67.66	-73.22
Bentonite	(t)	27 534	22 977	47 744	37 375	21 341	-22.49	-42.90
Boron	(t)	0	104 072	224 454	239 725	662 709	.	176.45
Diatomite	(t)	57 839	93 996	124 917	151 398	120 672	108.63	-20.29
Feldspar	(t)	11 645	26 359	22 695	18 019	16 979	45.81	-5.77
Gypsum	(t)	481 770	390 705	297 727	543 856	438 025	-9.08	-19.46
Kaolin	(t)	18 169	34 586	32 249	19 964	43 251	138.05	116.64
Phosphates	(t)	3 377 932	3 931 450	5 640 080	4 136 020	4 241 420	25.56	2.55
Salt	(t)	1 468 266	1 242 765	1 205 435	1 175 157	1 471 131	0.20	25.19
Sulfur	(t)	529 800	503 900	561 900	533 800	565 500	6.74	5.94
Talc	(t)	58 684	61 958	64 577	46 706	52 990	-9.70	13.45
Steam Coal	(t)	182 792	226 908	211 885	229 213	251 788	37.75	9.85
Nat. Gas (Mio m³)		11 360	11 859	12 192	12 924	12 495	9.99	-3.32
Petroleum	(t)	7 603 100	7 637 200	8 339 900	8 599 600	7 438 300	-2.17	-13.50
Total	(t)	30 535 411	31 265 854	34 164 057	34 082 817	33 809 854		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Philippines

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	75 700	688 900	634 000	92 300	64 300	-15.06	-30.34
Chromium	(t)	10 193	14 651	14 110	18 820	6 200	-39.17	-67.06
Cobalt	(t)	1 500	2 269	2 126	4 094	4 140	176.00	1.12
Nickel	(t)	319 364	317 621	313 050	443 909	464 517	45.45	4.64
Arsenic	(t)	400	400	0	0	0	-100.00	.
Copper	(t)	63 835	65 444	90 861	91 922	83 835	31.33	-8.80
Selenium	(t)	65	70	70	70	70	7.69	0.00
Zinc	(t)	18 170	19 559	16 730	0	0	-100.00	.
Gold	(kg)	31 120	14 596	17 248	18 423	21 310	-31.52	15.67
Silver	(kg)	45 530	49 211	40 043	23 005	29 780	-34.59	29.45
Bentonite	(t)	2 087	2 700	3 330	3 370	3 350	60.52	-0.59
Feldspar	(t)	22 050	24 969	30 388	34 232	35 000	58.73	2.24
Kaolin	(t)	3 529	4 631	6 568	7 050	7 000	98.36	-0.71
Magnesite	(t)	4 784	4 822	5 998	6 200	6 200	29.60	0.00
Perlite	(t)	6 272	9 221	14 249	17 134	17 000	171.05	-0.78
Phosphates	(t)	3 088	3 283	3 887	4 340	4 500	45.73	3.69
Salt	(t)	720 146	774 820	992 640	1 050 000	1 000 000	38.86	-4.76
Steam Coal	(t)	6 881 000	7 853 530	7 564 790	8 400 000	8 170 000	18.73	-2.74
Nat. Gas (Mio m³)		3 975	3 810	3 510	3 691	3 470	-12.70	-5.99
Petroleum	(t)	1 023 000	929 000	814 000	988 200	1 093 000	6.84	10.61
Total	(t)	12 335 260	13 763 954	13 314 854	14 114 482	13 735 163		

## Poland

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Nickel	(t)	850	840	570	780	840	-1.18	7.69
Cadmium	(t)	526	370	460	628	383	-27.19	-39.01
Copper	(t)	426 665	427 064	428 879	421 700	420 500	-1.44	-0.28
Lead	(t)	40 492	73 231	78 980	83 150	49 000	21.01	-41.07
Rhenium	(kg)	2 770	2 770	5 210	5 335	6 346	129.10	18.95
Selenium	(t)	85	90	80	90	87	2.35	-3.33
Zinc	(t)	87 200	76 700	77 000	70 000	65 000	-25.46	-7.14
Gold	(kg)	510	469	431	226	431	-15.49	90.71
Palladium	(kg)	13	23	30	51	51	292.31	0.00
Platinum	(kg)	23	39	51	86	86	273.91	0.00
Silver	(kg)	1 167 000	1 149 000	1 161 114	1 256 200	1 283 000	9.94	2.13
Bentonite	(t)	910	780	1 050	650	450	-50.55	-30.77
Feldspar	(t)	539 000	487 000	513 000	68 910	76 540	-85.80	11.07
Gypsum	(t)	1 226 000	1 227 900	1 084 560	1 052 470	1 018 450	-16.93	-3.23
Kaolin	(t)	285 150	249 090	267 730	277 900	286 650	0.53	3.15

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Magnesite	(t)	75 000	84 000	97 000	92 000	96 000	28.00	4.35
Salt	(t)	3 887 200	3 524 700	4 056 000	4 265 085	3 468 000	-10.78	-18.69
Sulfur	(t)	916 100	962 200	833 900	629 620	651 420	-28.89	3.46
Steam Coal	(t)	65 018 800	68 117 000	64 601 000	60 252 000	59 204 000	-8.94	-1.74
Coking Coal	(t)	11 435 600	11 738 000	12 116 000	12 288 000	12 915 000	12.94	5.10
Lignite	(t)	62 889 000	64 280 000	65 849 000	64 002 000	63 135 000	0.39	-1.35
Nat. Gas (Mio m³)		5 646	5 871	5 886	5 258	5 214	-7.65	-0.84
Petroleum	(t)	601 990	680 000	962 000	918 750	898 870	49.32	-2.16
Total	(t)	151 948 539	156 626 917	155 677 175	148 631 394	146 458 679		

## Portugal

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Tungsten	(t)	819	763	692	671	474	-42.12	-29.36
Copper	(t)	79 686	74 941	77 236	75 433	83 081	4.26	10.14
Lead	(t)		87	1 496	3 191	3 077	.	-3.57
Lithium	(t)	447	246	237	208	204	-54.36	-1.92
Tin	(t)	39	41	84	75	42	7.69	-44.00
Zinc	(t)	4 227	30 006	53 382	67 384	66 871	1 482.00	-0.76
Silver	(kg)	28 380	29 890	40 621	43 172	41 337	45.66	-4.25
Feldspar	(t)	114 600	109 273	70 057	70 865	93 789	-18.16	32.35
Gypsum	(t)	337 272	264 427	299 038	328 730	309 966	-8.10	-5.71
Kaolin	(t)	322 091	321 039	248 008	269 073	247 482	-23.16	-8.02
Salt	(t)	631 295	520 284	473 095	69 702	30 008	-95.25	-56.95
Talc	(t)	15 462	15 131	11 348	14 942	11 204	-27.54	-25.02
Total	(t)	1 505 966	1 336 268	1 234 714	900 317	846 239		

## Qatar

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	450 000	604 000	606 000	612 000	610 000	35.56	-0.33
Sulfur	(t)	1 655 937	1 844 000	2 000 000	2 136 000	2 377 000	43.54	11.28
Nat. Gas (Mio m³)		145 270	157 050	177 600	174 060	181 440	24.90	4.24
Petroleum	(t)	78 012 500	82 206 000	80 189 700	79 575 500	79 279 400	1.62	-0.37
Total	(t)	196 334 437	210 294 000	224 875 700	221 571 500	227 418 400		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Romania

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)	670	1 910	1 390	4 880	4 200	526.87	-13.93
Aluminium	(t)	261 000	248 587	250 157	263 098	271 356	3.97	3.14
Copper	(t)	6 360	9 482	6 700	7 680	7 710	21.23	0.39
Lead	(t)	3 000	5 500	800	570	0	-100.00	-100.00
Zinc	(t)	9 000	8 400	2 000	3 120	2 900	-67.78	-7.05
Gold	(kg)	500	500	500	500	500	0.00	0.00
Silver	(kg)	18 000	18 000	18 000	18 000	18 000	0.00	0.00
Bentonite	(t)	19 864	19 241	24 127	18 583	20 000	0.68	7.63
Feldspar	(t)	3 814	4 112	7 060	7 570	7 000	83.53	-7.53
Graphite	(t)	7 000	7 000	0	0	0	-100.00	.
Gypsum	(t)	834 009	879 000	736 100	815 586	820 000	-1.68	0.54
Kaolin	(t)	0	116	32 722	30 638	31 000	.	1.18
Salt	(t)	2 513 903	2 338 749	2 397 398	2 058 292	2 180 000	-13.28	5.91
Talc	(t)	131	13	0	0	0	-100.00	.
Steam Coal	(t)	35 000	43 000	47 000	47 000	47 000	34.29	0.00
Lignite	(t)	35 512 000	33 949 000	24 732 000	23 565 000	25 492 000	-28.22	8.18
Nat. Gas (Mio m³)		10 901	10 935	10 854	11 056	11 092	1.75	0.33
Petroleum	(t)	4 222 000	3 982 000	4 131 000	4 052 000	4 003 000	-5.19	-1.21
Uranium	(t)	91	106	94	91	91	0.00	0.00
Total	(t)	52 148 661	50 244 235	41 051 767	39 718 927	41 759 876		

## Russia, Asia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	9 724 000	9 724 000	9 537 000	9 546 350	9 443 500	-2.88	-1.08
Cobalt	(t)	1 870	1 749	1 894	1 842	1 632	-12.73	-11.40
Manganese	(t)	2 500	900	1 000	0	0	-100.00	.
Molybdenum	(t)	4 650	4 640	3 460	2 990	3 110	-33.12	4.01
Nickel	(t)	153 642	147 378	155 760	158 400	135 720	-11.66	-14.32
Tungsten	(t)	3 311	3 639	3 562	3 209	2 805	-15.28	-12.59
Aluminium	(t)	3 464 000	3 535 000	3 436 000	3 412 000	3 451 000	-0.38	1.14
Antimony	(t)	6 348	6 400	6 520	6 400	7 420	16.89	15.94
Arsenic	(t)	1 500	1 500	1 500	1 500	1 500	0.00	0.00
Bismuth	(t)	45	50	40	40	40	-11.11	0.00
Cadmium	(t)	1 100	1 000	900	1 000	1 000	-9.09	0.00
Copper	(t)	499 170	504 000	507 500	518 000	518 000	3.77	0.00
Germanium	(t)	4	5	5	6	6	50.00	0.00
Lead	(t)	114 240	144 960	158 400	188 160	188 160	64.71	0.00
Mercury	(t)	50	50	50	50	50	0.00	0.00

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Selenium	(t)	265	145	150	170	180	-32.08	5.88
Tellurium	(t)	30	30	31	33	35	16.67	6.06
Tin	(t)	75	152	156	321	360	380.00	12.15
Zinc	(t)	173 540	168 520	186 030	170 630	176 880	1.92	3.66
Gold	(kg)	173 817	185 814	199 670	231 630	237 340	36.55	2.47
Palladium	(kg)	65 625	63 733	63 757	62 811	59 051	-10.02	-5.99
Platinum	(kg)	20 777	19 931	18 314	17 418	16 671	-19.76	-4.29
Rhodium	(kg)	2 177	2 799	2 488	2 488	2 488	14.29	0.00
Silver	(kg)	1 388 700	1 282 500	1 284 886	1 290 484	1 413 654	1.80	9.54
Asbestos	(t)	200 000	200 000	162 200	170 000	180 000	-10.00	5.88
Baryte	(t)	55 800	56 700	153 000	193 500	153 000	174.19	-20.93
Bentonite	(t)	92 000	100 000	136 000	136 000	136 000	47.83	0.00
Boron	(t)	75 000	75 000	76 199	81 234	82 000	9.33	0.94
Diam. (Gem)	(ct)	21 083 880	20 956 590	22 730 484	22 982 100	25 147 434	19.27	9.42
Diam. (Ind)	(ct)	14 055 920	13 971 060	15 153 656	15 321 400	16 764 956	19.27	9.42
Feldspar	(t)	96 000	96 000	132 900	124 800	123 000	28.13	-1.44
Fluorspar	(t)	107 820	116 100	50 580	7 380	7 200	-93.32	-2.44
Magnesite	(t)	130 000	140 000	140 000	140 000	130 000	0.00	-7.14
Talc	(t)	80 000	80 000	80 000	75 000	75 000	-6.25	0.00
Steam Coal	(t)	193 700 000	206 200 000	204 900 000	211 800 000	215 500 000	11.25	1.75
Coking Coal	(t)	65 400 000	72 700 000	74 400 000	76 300 000	82 900 000	26.76	8.65
Lignite	(t)	69 210 000	70 290 000	66 330 000	62 010 000	66 240 000	-4.29	6.82
Nat. Gas (Mio m³)		637 260	621 775	634 790	609 805	603 725	-5.26	-1.00
Petroleum	(t)	338 177 400	341 946 000	345 378 000	347 589 000	352 143 860	4.13	1.31
Uranium	(t)	3 529	3 387	3 697	3 526	3 602	2.07	2.16
Total	(t)	1 191 287 548	1 203 668 868	1 213 776 111	1 200 487 153	1 214 586 797		

## Russia, Europe

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	47 476 000	47 476 000	46 563 000	46 608 650	46 106 500	-2.88	-1.08
Chromium	(t)	263 300	206 600	147 200	214 200	216 000	-17.96	0.84
Cobalt	(t)	467	437	474	460	408	-12.63	-11.30
Manganese	(t)	9 800	3 600	4 000	0	0	-100.00	.
Molybdenum	(t)	190	190	140	120	130	-31.58	8.33
Nickel	(t)	111 258	106 722	108 240	105 600	125 280	12.60	18.64
Niobium	(t)	431	450	511	581	628	45.71	8.09
Tantalum	(t)	27	31	32	40	32	18.52	-20.00
Titanium	(t)	92 000	179 000	179 000	180 000	190 000	106.52	5.56
Tungsten	(t)	584	642	629	566	495	-15.24	-12.54
Vanadium	(t)	12 860	14 856	14 403	15 125	16 196	25.94	7.08
Aluminium	(t)	528 000	489 000	288 000	76 000	78 000	-85.23	2.63
Bauxite	(t)	5 482 000	5 166 000	5 634 000	6 056 000	5 800 000	5.80	-4.23
Copper	(t)	213 930	216 000	217 500	222 000	222 000	3.77	0.00
Gallium	(t)	10	6	6	4	4	-60.00	0.00
Lead	(t)	4 760	6 040	6 600	7 840	7 840	64.71	0.00
Rare Earths	(t)	1 444	2 131	1 443	2 134	2 312	60.11	8.34
Rhenium	(kg)	1 500	1 500	1 500	1 500	1 500	0.00	0.00
Zinc	(t)	23 660	22 980	25 370	23 270	24 120	1.94	3.65

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gold	(kg)	13 083	13 986	15 030	17 435	17 860	36.51	2.44
Palladium	(kg)	18 510	17 976	17 983	17 716	16 655	-10.02	-5.99
Platinum	(kg)	5 194	4 983	4 578	4 354	4 168	-19.75	-4.27
Silver	(kg)	154 300	142 500	142 765	143 387	157 073	1.80	9.54
Asbestos	(t)	800 000	800 000	648 800	680 000	720 000	-10.00	5.88
Baryte	(t)	6 200	6 300	17 000	21 500	17 000	174.19	-20.93
Bentonite	(t)	368 000	400 000	544 000	544 000	544 000	47.83	0.00
Feldspar	(t)	64 000	64 000	88 600	83 200	82 000	28.13	-1.44
Fluorspar	(t)	11 980	12 900	5 620	820	800	-93.32	-2.44
Graphite	(t)	14 000	14 000	14 000	15 000	15 000	7.14	0.00
Gypsum	(t)	3 907 000	4 179 000	4 223 000	4 500 000	4 400 000	12.62	-2.22
Kaolin	(t)	45 000	50 000	50 000	45 000	50 000	11.11	11.11
Magnesite	(t)	1 170 000	1 260 000	1 260 000	1 260 000	1 170 000	0.00	-7.14
Perlite	(t)	45 000	45 000	45 000	45 000	45 000	0.00	0.00
Phosphates	(t)	3 822 000	3 900 000	4 095 000	4 173 000	4 524 000	18.37	8.41
Potash	(t)	6 310 000	5 507 000	6 048 000	7 260 000	6 840 000	8.40	-5.79
Salt	(t)	3 046 000	3 187 000	3 008 000	4 338 000	4 377 000	43.70	0.90
Sulfur	(t)	6 730 000	6 750 000	6 800 000	7 300 000	6 720 000	-0.15	-7.95
Talc	(t)	80 000	80 000	80 000	75 000	75 000	-6.25	0.00
Vermiculite	(t)	21 000	21 800	20 900	21 000	21 000	0.00	0.00
Zircon	(t)	8 914	7 969	8 504	7 930	8 180	-8.23	3.15
Lignite	(t)	7 690 000	7 810 000	7 370 000	6 890 000	7 360 000	-4.29	6.82
Nat. Gas (Mio m³)		33 540	32 725	33 410	32 095	31 775	-5.26	-1.00
Petroleum	(t)	174 212 600	176 154 000	177 922 000	179 061 000	181 407 440	4.13	1.31
Total	(t)	289 404 608	290 319 836	292 167 155	295 509 224	296 586 563		

## Rwanda

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Niobium	(t)	134	172	370	345	248	85.07	-28.12
Tantalum	(t)	205	263	567	530	380	85.37	-28.30
Tungsten	(t)	598	1 041	1 319	1 288	1 060	77.26	-17.70
Tin	(t)	5 005	3 339	3 524	4 270	2 770	-44.66	-35.13
Total	(t)	5 942	4 815	5 780	6 433	4 458		

## Saudi Arabia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	234 720	355 300	231 800	243 400	254 900	8.60	4.72
Aluminium	(t)			187 000	662 000	839 000	.	26.74
Bauxite	(t)	643 500	760 114	1 978 360	2 076 000	2 174 000	237.84	4.72
Copper	(t)	1 954	17 639	20 380	43 390	56 126	2 772.36	29.35
Lead	(t)	396	400	0	0	0	-100.00	.
Zinc	(t)	4 934	21 213	26 293	41 804	37 513	660.30	-10.26

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gold	(kg)	4 612	4 286	4 158	4 789	5 089	10.34	6.26
Silver	(kg)	5 839	5 500	4 158	4 888	5 530	-5.29	13.13
Baryte	(t)	30 000	32 000	30 000	32 000	43 000	43.33	34.38
Feldspar	(t)	160 000	227 000	160 000	168 000	176 000	10.00	4.76
Gypsum	(t)	2 205 000	1 700 000	1 700 000	1 780 000	1 860 000	-15.65	4.49
Kaolin	(t)	65 000	137 000	101 000	106 000	111 000	70.77	4.72
Magnesite	(t)	159 000	39 000	63 400	71 000	77 000	-51.57	8.45
Phosphates	(t)		306 600	364 000	382 200	400 400	.	4.76
Salt	(t)	1 890 000	1 611 000	1 900 000	1 990 000	2 080 000	10.05	4.52
Sulfur	(t)	3 200 000	3 400 000	3 900 000	4 400 000	4 900 000	53.13	11.36
Talc	(t)	25 000	8 000	6 000	7 000	8 000	-68.00	14.29
Nat. Gas (Mio m³)		92 260	99 330	100 030	102 380	104 450	13.21	2.02
Petroleum	(t)	525 950 000	549 834 000	538 426 000	543 441 000	568 493 000	8.09	4.61
Total	(t)	608 377 515	637 913 276	629 118 241	637 347 804	665 069 950		

## Senegal

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Manganese	(t)		0	230	2 120	3 000	.	41.51
Titanium	(t)			0	55 950	240 270	.	329.44
Gold	(kg)	4 089	6 666	6 445	6 588	5 779	41.33	-12.28
Silver	(kg)	539	670	850	1 150	540	0.19	-53.04
Phosphates	(t)	546 170	500 350	342 120	309 820	589 110	7.86	90.15
Salt	(t)	258 250	237 385	238 888	249 224	268 176	3.84	7.60
Zircon	(t)			0	9 040	45 248	.	400.53
Petroleum	(t)	54 500	7 700	15 800	30 100	22 900	-57.98	-23.92
Total	(t)	858 925	745 443	597 045	656 262	1 168 711		

## Serbia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Copper	(t)	25 250	32 200	32 609	31 584	31 601	25.15	0.05
Lead	(t)	2 100	2 500	3 100	3 730	2 420	15.24	-35.12
Selenium	(t)	13	13	16	17	17	30.77	0.00
Zinc	(t)	3 100	6 000	5 800	7 180	4 670	50.65	-34.96
Gold	(kg)	1 032	900	1 154	1 310	1 186	14.92	-9.47
Palladium	(kg)	20	22	25	23	22	10.00	-4.35
Platinum	(kg)	6	3	2	3	2	-66.67	-33.33
Silver	(kg)	7 400	8 400	5 800	8 586	7 488	1.19	-12.79
Feldspar	(t)	23 586	19 927	20 000	20 000	20 000	-15.20	0.00
Kaolin	(t)	90 472	69 487	70 000	70 000	70 000	-22.63	0.00
Magnesite	(t)	20 000	20 000	24 000	24 000	20 000	0.00	-16.67
Salt	(t)	23 144	16 506	13 704	12 994	13 202	-42.96	1.60

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Lignite	(t)	40 286 000	37 930 437	39 513 474	29 204 294	37 029 091	-8.08	26.79
Nat. Gas (Mio m³)		462	484	468	467	432	-6.49	-7.49
Petroleum	(t)	1 020 490	1 124 794	1 234 000	1 310 000	1 050 000	2.89	-19.85
Total	(t)	41 863 763	39 609 073	41 291 110	31 057 409	38 586 609		

## Sierra Leone

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	196 811	3 018 024	6 172 710	10 259 610	1 521 830	673.24	-85.17
Titanium	(t)	72 588	101 539	133 887	129 040	140 420	93.45	8.82
Bauxite	(t)	1 457 510	734 483	654 137	1 178 566	1 435 195	-1.53	21.77
Gold	(kg)	164	141	96	43	106	-35.37	146.51
Diam. (Gem)	(ct)	215 974	409 524	462 054	503 942	420 158	94.54	-16.63
Diam. (Ind)	(ct)	139 369	123 031	142 687	90 426	79 881	-42.68	-11.66
Zircon	(t)	8 354	612	2 950	2 416	1 389	-83.37	-42.51
Total	(t)	1 735 263	3 854 658	6 963 684	11 569 632	3 098 834		

## Slovakia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	162 840	160 662	163 296	167 667	171 328	5.21	2.18
Copper	(t)	28	31	40	46	30	7.14	-34.78
Lead	(t)	114	166	235	162	160	40.35	-1.23
Zinc	(t)	103	134	190	176	170	65.05	-3.41
Gold	(kg)	398	546	533	582	580	45.73	-0.34
Silver	(kg)	330	441	508	437	400	21.21	-8.47
Baryte	(t)	15 700	21 000	21 000	20 900	21 000	33.76	0.48
Bentonite	(t)	158 400	146 800	197 600	214 000	199 841	26.16	-6.62
Gypsum	(t)	143 000	138 000	56 000	67 900	70 000	-51.05	3.09
Kaolin	(t)	4 000	3 000	6 000	5 900	5 900	47.50	0.00
Magnesite	(t)	1 196 600	1 008 460	933 200	887 500	880 000	-26.46	-0.85
Perlite	(t)	23 000	24 000	16 000	17 000	17 000	-26.09	0.00
Talc	(t)	7 000	2 000	2 000	3 300	3 300	-52.86	0.00
Lignite	(t)	2 160 000	2 093 800	2 275 330	2 078 960	1 941 007	-10.14	-6.64
Nat. Gas (Mio m³)		98	98	100	91	86	-12.24	-5.49
Petroleum	(t)	18 110	15 200	13 310	11 740	11 000	-39.26	-6.30
Total	(t)	3 967 295	3 691 654	3 764 203	3 548 052	3 389 537		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Slovenia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	75 301	83 278	84 035	84 361	83 775	11.25	-0.69
Bentonite	(t)	168	98	143	199	232	38.10	16.58
Salt	(t)	4 291	5 684	3 360	0	2 191	-48.94	.
Lignite	(t)	4 502 078	4 281 326	3 721 188	3 108 203	3 168 001	-29.63	1.92
Nat. Gas (Mio m³)		2	2	3	3	3	50.00	0.00
Petroleum	(t)	394	339	412	461	359	-8.88	-22.13
Total	(t)	4 583 832	4 372 325	3 811 538	3 195 624	3 256 958		

## Solomon Islands

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)				40	278 400	.	695 900.00
Gold	(kg)	1 588	2 109	1 945	531	0	-100.00	-100.00
Silver	(kg)	592	902	735	271	0	-100.00	-100.00
Total	(t)	3	3	3	41	278 400		

## Somalia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	1 500	1 500	1 500	1 500	0	-100.00	-100.00
Total	(t)	1 500	1 500	1 500	1 500	0		

## South Africa

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	37 736 983	43 615 310	46 569 090	52 493 570	47 323 600	25.40	-9.85
Chromium	(t)	5 220 770	4 979 650	6 023 450	6 176 600	6 888 490	31.94	11.53
Cobalt	(t)	862	1 102	1 294	1 332	1 362	58.00	2.25
Manganese	(t)	3 806 810	3 935 100	4 821 140	6 182 550	7 019 060	84.38	13.53
Nickel	(t)	43 321	45 945	51 208	54 956	56 689	30.86	3.15
Titanium	(t)	1 160 000	1 120 300	1 056 200	1 195 000	1 150 000	-0.86	-3.77
Vanadium	(t)	21 652	19 957	21 397	21 582	17 788	-17.85	-17.58
Aluminium	(t)	811 483	665 000	822 000	745 000	695 000	-14.35	-6.71
Antimony	(t)	3 175	3 066	2 405	815	0	-100.00	-100.00
Copper	(t)	89 298	69 859	80 821	78 697	77 360	-13.37	-1.70

**Total Prod.:** different units (m³, ct, kg) converted to metr. t

**Abbreviations:** see Explanation

Lead	(t)	54 460	52 489	41 848	29 348	34 573	-36.52	17.80
Zinc	(t)	36 629	37 034	30 145	26 141	29 040	-20.72	11.09
Gold	(kg)	180 293	155 286	160 016	151 622	144 504	-19.85	-4.69
Palladium	(kg)	79 625	73 373	76 670	66 095	83 482	4.84	26.31
Platinum	(kg)	151 163	127 835	130 884	110 324	142 174	-5.95	28.87
Rhodium	(kg)	19 937	17 947	17 231	14 588	19 004	-4.68	30.27
Silver	(kg)	73 180	67 304	68 777	49 220	51 861	-29.13	5.37
Bentonite	(t)	120 417	120 566	177 187	171 119	165 535	37.47	-3.26
Diam. (Gem)	(ct)	2 847 155	2 899 971	3 251 483	3 223 527	3 293 094	15.66	2.16
Diam. (Ind)	(ct)	4 270 732	4 349 957	4 877 224	4 835 290	4 939 640	15.66	2.16
Feldspar	(t)	101 559	94 458	191 443	102 541	130 184	28.19	26.96
Fluorspar	(t)	195 502	170 338	157 776	164 054	220 000	12.53	34.10
Gypsum	(t)	476 118	558 242	559 443	376 223	231 688	-51.34	-38.42
Kaolin	(t)	15 220	20 500	22 295	27 258	20 150	32.39	-26.08
Magnesite	(t)	31 987	12 878	8 219	10 000	10 000	-68.74	0.00
Perlite	(t)	1 349	1 740	1 078	1 000	1 000	-25.87	0.00
Phosphates	(t)	897 687	784 800	746 100	703 900	648 300	-27.78	-7.90
Salt	(t)	379 685	399 135	477 038	493 798	517 159	36.21	4.73
Sulfur	(t)	337 972	257 019	270 173	277 018	284 381	-15.86	2.66
Talc	(t)	94 273	23 499	22 303	23 727	21 298	-77.41	-10.24
Vermiculite	(t)	170 571	132 886	127 658	143 007	138 290	-18.93	-3.30
Zircon	(t)	432 282	367 190	224 446	398 101	397 420	-8.06	-0.17
Steam Coal	(t)	251 238 000	257 009 000	252 928 000	257 092 000	248 884 000	-0.94	-3.19
Coking Coal	(t)	1 519 000	1 566 000	3 354 000	3 448 000	3 188 000	109.87	-7.54
Nat. Gas (Mio m³)		1 348	1 167	824	1 061	1 312	-2.67	23.66
Petroleum	(t)	183 024	136 081	80 154	88 803	70 978	-61.22	-20.07
Uranium	(t)	656	551	626	668	528	-19.51	-20.96
Total	(t)	306 259 651	317 133 738	319 528 593	331 376 002	319 271 916		

## South Sudan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Petroleum	(t)		1 533 200	4 912 400	7 652 300	7 277 200	.	-4.90
Total	(t)	0	1 533 200	4 912 400	7 652 300	7 277 200		

## Spain

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Nickel	(t)	0	2 397	7 564	8 652	7 208	.	-16.69
Tungsten	(t)	337	393	487	822	835	147.77	1.58
Aluminium	(t)	408 400	386 400	250 000	230 000	360 000	-11.85	56.52
Copper	(t)	75 057	99 884	102 977	104 476	129 788	72.92	24.23
Lead	(t)	7 813	3 763	2 160	1 223	1 598	-79.55	30.66
Tin	(t)	9	69	0	0	0	-100.00	.
Zinc	(t)	33 199	28 634	30 428	26 756	41 800	25.91	56.23

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gold	(kg)	529	1 529	1 994	1 942	1 628	207.75	-16.17
Silver	(kg)	29 900	32 943	31 000	31 000	27 300	-8.70	-11.94
Bentonite	(t)	110 721	96 605	102 726	105 627	100 604	-9.14	-4.76
Diatomite	(t)	83 624	60 777	53 713	59 619	50 500	-39.61	-15.30
Feldspar	(t)	662 418	530 238	592 908	533 328	560 000	-15.46	5.00
Fluorspar	(t)	109 284	101 000	96 810	120 582	130 647	19.55	8.35
Gypsum	(t)	7 825 747	6 359 923	7 388 699	6 925 120	7 790 000	-0.46	12.49
Kaolin	(t)	384 179	402 251	410 717	344 414	390 000	1.52	13.24
Magnesite	(t)	577 725	649 977	836 269	679 348	464 691	-19.57	-31.60
Potash	(t)	436 026	527 060	711 272	706 664	667 959	53.19	-5.48
Salt	(t)	4 503 772	4 108 662	4 309 839	4 269 637	4 445 329	-1.30	4.11
Sulfur	(t)	650 000	680 000	640 000	650 000	520 000	-20.00	-20.00
Talc	(t)	17 534	8 857	0	0	0	-100.00	.
Steam Coal	(t)	4 264 789	3 910 732	2 574 258	2 607 182	1 557 251	-63.49	-40.27
Lignite	(t)	2 358 930	2 275 409	1 826 681	1 230 444	1 318 625	-44.10	7.17
Nat. Gas (Mio m³)		58	65	62	26	16	-72.41	-38.46
Petroleum	(t)	99 925	143 526	367 568	305 253	229 568	129.74	-24.79
Total	(t)	22 655 919	20 428 592	20 354 709	18 929 980	18 779 232		

## Sri Lanka

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Titanium	(t)	39 320	26 100	24 810	20 140	23 410	-40.46	16.24
Feldspar	(t)	53 337	87 318	96 043	95 000	95 000	78.11	0.00
Graphite	(t)	3 358	3 094	3 083	3 819	4 212	25.43	10.29
Kaolin	(t)	11 157	11 805	12 990	12 000	12 000	7.56	0.00
Phosphates	(t)	20 480	16 650	17 190	21 910	18 340	-10.45	-16.29
Salt	(t)	86 398	63 861	36 920	102 018	29 352	-66.03	-71.23
Zircon	(t)	641	293	228	1 335	614	-4.21	-54.01
Total	(t)	214 691	209 121	191 264	256 222	182 928		

## Sudan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	8 580	33 740	118 790	16 300	0	-100.00	-100.00
Chromium	(t)	30 781	8 780	14 820	29 440	7 590	-75.34	-74.22
Manganese	(t)	160 000	0	1 300	8 000	12 560	-92.15	57.00
Gold	(kg)	23 739	46 133	70 000	73 300	82 400	247.11	12.41
Silver	(kg)	700	700	700	1 000	1 000	42.86	0.00
Feldspar	(t)	9 519	26 283	31 700	50 680	94 354	891.22	86.18
Fluorspar	(t)	50	950	0	0	0	-100.00	.
Gypsum	(t)	13 000	117 073	132 000	111 271	28 965	122.81	-73.97

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Kaolin	(t)	15 096	11 579	26 000	50 000	14 490	-4.01	-71.02
Salt	(t)	10 791	26 315	20 800	37 295	23 434	117.16	-37.17
Petroleum	(t)	15 572 600	5 101 400	6 151 600	3 951 500	4 015 600	-74.21	1.62
Total	(t)	15 820 442	5 326 167	6 497 081	4 254 560	4 197 076		

## Suriname

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)	3 224 000	2 874 343	2 670 700	2 707 700	1 865 100	-42.15	-31.12
Gold	(kg)	12 606	12 507	11 001	10 641	9 397	-25.46	-11.69
Petroleum	(t)	817 000	810 200	815 700	836 100	842 950	3.18	0.82
Total	(t)	4 041 013	3 684 555	3 486 411	3 543 811	2 708 059		

## Swaziland

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	39 770	516 120	629 280	301 630	0	-100.00	-100.00
Steam Coal	(t)	121 050	152 284	257 090	177 930	141 733	17.09	-20.34
Total	(t)	160 820	668 404	886 370	479 560	141 733		

## Sweden

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	16 712 320	16 985 600	17 462 400	18 035 840	15 886 720	-4.94	-11.92
Aluminium	(t)	111 000	129 000	131 000	113 000	116 000	4.50	2.65
Copper	(t)	82 967	82 422	82 904	79 681	75 113	-9.47	-5.73
Lead	(t)	62 028	63 551	59 556	70 848	79 354	27.93	12.01
Selenium	(t)	70	100	100	100	100	42.86	0.00
Tellurium	(t)		7	24	31	33	.	6.45
Zinc	(t)	194 021	188 325	176 582	221 841	246 983	27.30	11.33
Gold	(kg)	5 994	6 015	6 530	6 849	6 028	0.57	-11.99
Silver	(kg)	301 959	309 337	341 346	382 611	479 686	58.86	25.37
Feldspar	(t)	30 000	27 000	30 000	27 000	29 000	-3.33	7.41
Graphite	(t)				0	295	.	.
Talc	(t)	3 000	0	0	0	0	-100.00	.
Total	(t)	17 195 714	17 476 320	17 942 914	18 548 731	16 434 084		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Switzerland

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	310 000	330 000	340 000	340 000	340 000	9.68	0.00
Salt	(t)	509 700	518 200	586 400	434 500	435 000	-14.66	0.12
Total	(t)	819 700	848 200	926 400	774 500	775 000		

## Syria

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	559 000	328 000	300 000	200 000	100 000	-82.11	-50.00
Phosphates	(t)	1 062 000	460 000	270 000	370 000	225 000	-78.81	-39.19
Salt	(t)	71 000	34 000	34 000	30 000	30 000	-57.75	0.00
Nat. Gas (Mio m³)		7 610	6 230	5 120	4 740	4 360	-42.71	-8.02
Petroleum	(t)	17 577 800	8 522 900	2 956 900	1 644 100	1 344 500	-92.35	-18.22
Total	(t)	25 357 800	14 328 900	7 656 900	6 036 100	5 187 500		

## Taiwan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Kaolin	(t)	16 936	26 376	15 963	1 808	1 000	-94.10	-44.69
Salt	(t)	104 854	70 750	80 966	81 893	82 000	-21.80	0.13
Sulfur	(t)	219 975	231 296	192 292	195 280	200 000	-9.08	2.42
Talc	(t)	659	778	3 274	3 000	3 000	355.24	0.00
Nat. Gas (Mio m³)		330	442	381	379	374	13.33	-1.32
Petroleum	(t)	9 700	9 800	9 000	7 800	7 900	-18.56	1.28
Total	(t)	616 124	692 600	606 295	592 981	593 100		

## Tajikistan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	278 364	272 506	216 369	121 261	139 123	-50.02	14.73
Antimony	(t)	5 500	5 545	7 307	11 200	26 960	390.18	140.71
Lead	(t)	8 900	18 497	23 107	32 400	37 510	321.46	15.77
Mercury	(t)	100	103	130	85	96	-4.00	12.94
Zinc	(t)	9 000	24 000	29 955	42 740	47 740	430.44	11.70
Gold	(kg)	2 240	2 400	2 674	3 436	4 200	87.50	22.24
Silver	(kg)	1 664	1 768	1 833	1 870	2 658	59.74	42.14

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Gypsum	(t)	12 000	14 000	15 000	12 455	8 339	-30.51	-33.05
Salt	(t)	27 000	27 900	31 000	34 553	35 554	31.68	2.90
Steam Coal	(t)	236 400	412 000	518 000	878 131	1 042 491	340.99	18.72
Nat. Gas (Mio m³)		19	11	4	3	4	-78.95	33.33
Petroleum	(t)	28 300	29 949	27 000	24 508	24 630	-12.97	0.50
Total	(t)	620 768	813 304	871 073	1 159 738	1 365 650		

## Tanzania

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bauxite	(t)	37 700	59 030	33 940	25 641	1 050	-97.21	-95.90
Copper	(t)	5 082	5 836	5 752	6 363	6 468	27.27	1.65
Tin	(t)	22	20	170	79	62	181.82	-21.52
Gold	(kg)	40 390	39 012	43 390	40 481	42 413	5.01	4.77
Silver	(kg)	13 500	12 310	11 720	14 493	15 820	17.19	9.16
Diam. (Gem)	(ct)	34 587	108 098	152 688	214 945	184 025	432.06	-14.39
Diam. (Ind)	(ct)	6 104	19 076	26 940	37 930	32 475	432.03	-14.38
Gypsum	(t)	38 700	91 600	220 500	200 179	254 800	558.40	27.29
Kaolin	(t)	1 177	1 422	907	3 809	4 000	239.85	5.01
Phosphates	(t)	3 040	6 000	225 060	162 360	49 020	1 512.50	-69.81
Salt	(t)	36 400	34 000	34 000	54 757	92 200	153.30	68.38
Steam Coal	(t)	82 856	78 672	128 920	246 128	257 321	210.56	4.55
Total	(t)	205 031	276 631	649 304	699 370	664 979		

## Thailand

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	303 403	188 000	241 560	215 710	10 220	-96.63	-95.26
Manganese	(t)	191	3 912	6 874	6 880	4 320	2 161.78	-37.21
Tungsten	(t)	150	70	130	90	31	-79.33	-65.56
Antimony	(t)	442	672	488	706	0	-100.00	-100.00
Tin	(t)	180	125	83	98	45	-75.00	-54.08
Zinc	(t)	29 678	33 328	34 516	45 380	36 210	22.01	-20.21
Gold	(kg)	5 568	4 895	4 419	4 514	3 305	-40.64	-26.78
Silver	(kg)	19 456	32 047	32 381	31 046	21 047	8.18	-32.21
Baryte	(t)	67 703	64 499	107 437	134 961	170 621	152.01	26.42
Bentonite	(t)	55 220	141 000	150	0	0	-100.00	.
Diatomite	(t)	38 130	8 500	0	0	0	-100.00	.
Feldspar	(t)	1 041 152	1 100 723	1 072 656	1 413 428	1 331 916	27.93	-5.77
Fluorspar	(t)	5 093	9 602	2 432	4 590	15 095	196.39	228.87
Gypsum	(t)	11 608 222	12 304 371	13 646 725	13 421 918	12 143 168	4.61	-9.53

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Kaolin	(t)	134 531	141 764	119 512	123 621	102 763	-23.61	-16.87
Perlite	(t)	26 500	41 400	14 293	54 100	17 200	-35.09	-68.21
Phosphates	(t)	3 300	1 990	350	500	0	-100.00	-100.00
Salt	(t)	1 359 493	1 363 539	1 300 156	1 381 067	1 385 911	1.94	0.35
Talc	(t)	7 604	40 856	34 700	57 308	52 268	587.38	-8.79
Lignite	(t)	21 327 106	18 066 429	18 110 763	17 981 722	15 150 549	-28.96	-15.74
Nat. Gas (Mio m³)		36 996	41 415	41 799	42 096	39 793	7.56	-5.47
Petroleum	(t)	11 158 431	11 912 281	11 980 493	11 592 740	12 347 720	10.66	6.51
Total	(t)	76 763 354	78 555 098	80 112 554	80 111 655	74 602 461		

## Togo

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gold	(kg)	16 469	18 551	21 086	20 583	15 568	-5.47	-24.36
Diam. (Ind)	(ct)	207	456	24	23	0	-100.00	-100.00
Phosphates	(t)	309 025	399 850	441 164	394 600	418 100	35.30	5.96
Total	(t)	309 041	399 869	441 185	394 621	418 116		

## Trinidad and Tobago

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Nat. Gas (Mio m³)		42 884	42 604	42 841	42 077	39 617	-7.62	-5.85
Petroleum	(t)	4 577 566	4 070 403	4 039 477	4 046 848	3 917 069	-14.43	-3.21
Total	(t)	38 884 766	38 153 603	38 312 277	37 708 448	35 610 669		

## Tunisia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	90 900	116 300	132 100	179 200	153 700	69.09	-14.23
Zinc	(t)	600	7 400	7 700	7 400	0	-100.00	-100.00
Baryte	(t)	5 700	11 000	5 300	9 800	10 000	75.44	2.04
Gypsum	(t)	606 324	752 641	744 589	771 652	690 000	13.80	-10.58
Phosphates	(t)	719 000	801 100	952 200	1 097 400	936 200	30.21	-14.69
Salt	(t)	1 587 681	1 244 000	1 293 880	1 124 019	1 280 000	-19.38	13.88
Nat. Gas (Mio m³)		3 002	2 825	2 859	2 611	2 529	-15.76	-3.14
Petroleum	(t)	3 203 000	3 314 000	3 149 000	2 813 000	2 438 000	-23.88	-13.33
Total	(t)	8 614 805	8 506 441	8 571 969	8 091 271	7 531 100		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Turkey

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	4 321 800	3 329 800	5 754 900	7 964 400	5 199 800	20.32	-34.71
Chromium	(t)	1 000 000	2 083 900	1 865 900	1 806 600	1 464 330	46.43	-18.95
Manganese	(t)	25 200	44 500	68 800	52 500	30 500	21.03	-41.90
Molybdenum	(t)	1 424	0	620	0	1 335	-6.25	.
Nickel	(t)	850	3 810	1 080	3 030	8 640	916.47	185.15
Aluminium	(t)	65 000	43 700	42 200	30 400	45 900	-29.38	50.99
Antimony	(t)	2 170	6 590	4 180	3 070	1 950	-10.14	-36.48
Bauxite	(t)	1 024 915	1 521 150	795 562	1 091 442	1 050 000	2.45	-3.80
Copper	(t)	93 690	101 700	120 500	96 300	108 000	15.27	12.15
Lead	(t)	45 950	47 350	65 630	94 900	75 900	65.18	-20.02
Zinc	(t)	160 000	209 000	200 000	211 500	173 600	8.50	-17.92
Gold	(kg)	24 400	29 390	33 980	31 260	27 800	13.93	-11.07
Silver	(kg)	246 500	193 890	189 600	183 880	193 556	-21.48	5.26
Baryte	(t)	250 786	827 652	736 316	203 984	655 943	161.55	221.57
Bentonite	(t)	490 458	1 032 325	731 936	1 098 817	3 134 911	539.18	185.30
Boron	(t)	2 130 000	2 220 000	2 000 000	1 870 000	1 840 000	-13.62	-1.60
Diatomite	(t)	45 187	86 403	84 571	61 884	86 656	91.77	40.03
Feldspar	(t)	7 076 068	9 479 699	13 764 126	7 960 844	10 422 766	47.30	30.93
Fluorspar	(t)	4 524	5 197	3 874	4 271	6 238	37.89	46.05
Graphite	(t)	5 250	31 500	28 740	3 850	0	-100.00	-100.00
Gypsum	(t)	5 723 439	8 248 446	9 790 097	9 051 158	8 638 715	50.94	-4.56
Kaolin	(t)	1 229 352	988 081	1 168 441	2 032 103	1 887 302	53.52	-7.13
Magnesite	(t)	2 588 276	2 475 828	2 597 465	2 377 157	3 335 258	28.86	40.30
Perlite	(t)	702 673	887 600	1 075 949	897 125	843 242	20.00	-6.01
Phosphates	(t)	1 600	9 500	153 000	181 200	214 000	13 275.00	18.10
Salt	(t)	5 779 845	5 378 208	5 613 506	5 331 412	10 994 822	90.23	106.23
Sulfur	(t)	116 000	112 900	112 700	98 800	78 600	-32.24	-20.45
Talc	(t)	125 421	99 788	103 004	114 414	182 362	45.40	59.39
Vermiculite	(t)			1 604	716	425	.	-40.64
Zircon	(t)	500	200	0	1 100	1 500	200.00	36.36
Steam Coal	(t)	2 385 000	2 223 000	2 050 000	1 815 000	2 188 000	-8.26	20.55
Coking Coal	(t)	1 181 000	1 113 000	817 000	861 000	767 000	-35.06	-10.92
Lignite	(t)	72 550 000	72 481 467	63 816 100	61 500 000	50 444 000	-30.47	-17.98
Nat. Gas (Mio m³)		793	664	562	502	399	-49.68	-20.52
Petroleum	(t)	2 400 000	2 300 000	2 398 454	2 455 893	2 515 662	4.82	2.43
Total	(t)	112 161 049	117 923 717	116 416 079	109 676 685	106 716 779		

## Turkmenistan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Bentonite	(t)	50 000	50 000	50 000	7 387	10 000	-80.00	35.37
Salt	(t)	215 000	220 000	220 000	91 651	100 000	-53.49	9.11
Sulfur	(t)	200 000	200 000	300 000	505 905	600 000	200.00	18.60

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Nat. Gas (Mio m³)	59 500	62 290	62 350	72 739	72 400	21.68	-0.47
Petroleum (t)	10 795 740	11 198 570	11 384 500	11 588 800	12 723 740	17.86	9.79
Total (t)	58 860 740	61 500 570	61 834 500	70 384 943	71 353 740		

## Uganda

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron (t)		1 280	2 659	1 369	25 175	5 400	321.88	-78.55
Cobalt (t)		673	556	181	0	0	-100.00	.
Tungsten (t)		8	34	57	63	36	350.00	-42.86
Tin (t)		0	0	19	33	135	.	309.09
Gold (kg)		1	4	5	24	13	1 200.00	-45.83
Kaolin (t)		20 883	42 886	43 875	46 286	34 697	66.15	-25.04
Vermiculite (t)		7 960	51 962	2 296	2 661	801	-89.94	-69.90
Total (t)		30 804	98 097	47 797	74 218	41 069		

## Ukraine

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron (t)		42 551 000	42 975 400	45 056 000	43 712 000	42 816 000	0.62	-2.05
Manganese (t)		514 700	456 600	474 500	565 800	546 600	6.20	-3.39
Titanium (t)		213 800	250 000	443 100	391 150	344 260	61.02	-11.99
Aluminium (t)		7 200	0	0	0	0	-100.00	.
Gallium (t)		13	11	11	10	13	0.00	30.00
Germanium (t)		1	1	1	1	1	0.00	0.00
Bentonite (t)		211 000	219 000	220 000	220 000	220 000	4.27	0.00
Feldspar (t)		178 614	146 286	133 933	94 506	44 500	-75.09	-52.91
Graphite (t)		8 000	6 000	7 000	8 000	8 000	0.00	0.00
Gypsum (t)		2 294 000	2 224 000	2 175 400	1 525 300	1 255 000	-45.29	-17.72
Kaolin (t)		1 354 000	1 218 000	1 179 380	1 426 447	1 815 000	34.05	27.24
Salt (t)		5 948 000	6 181 000	5 796 000	2 498 000	2 137 000	-64.07	-14.45
Sulfur (t)		130 000	130 000	120 000	120 000	120 000	-7.69	0.00
Zircon (t)		27 000	29 000	41 000	35 000	30 000	11.11	-14.29
Steam Coal (t)		42 875 000	44 826 000	44 764 000	33 208 000	22 453 000	-47.63	-32.39
Coking Coal (t)		19 809 000	20 879 000	19 663 000	12 022 000	5 775 000	-70.85	-51.96
Nat. Gas (Mio m³)		19 900	19 800	21 300	20 100	19 800	-0.50	-1.49
Petroleum (t)		3 300 000	3 400 000	3 100 000	2 762 000	2 533 000	-23.24	-8.29
Uranium (t)		1 049	1 132	1 087	1 092	1 415	34.89	29.58
Total (t)		135 342 377	138 781 430	140 214 412	114 669 306	95 938 789		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## United Arab Emirates

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Aluminium	(t)	1 800 000	1 814 000	1 845 000	2 296 000	2 397 000	33.17	4.40
Sulfur	(t)	1 800 000	2 000 000	2 100 000	2 300 000	2 000 000	11.11	-13.04
Nat. Gas (Mio m³)		52 310	54 310	54 600	54 240	55 760	6.60	2.80
Petroleum	(t)	151 283 200	154 791 300	165 481 700	166 633 200	175 456 400	15.98	5.29
Total	(t)	196 731 200	202 053 300	213 106 700	214 621 200	224 461 400		

## United Kingdom

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Tungsten	(t)				0	195	.	.
Aluminium	(t)	213 000	60 000	45 000	41 000	47 000	-77.93	14.63
Lead	(t)	280	61	36	0	0	-100.00	.
Tin	(t)				0	16	.	.
Gold	(kg)	202	102	42	0	0	-100.00	.
Silver	(kg)	531	230	82	0	0	-100.00	.
Baryte	(t)	31 000	30 000	30 000	44 000	40 000	29.03	-9.09
Fluorspar	(t)	0	0	30 000	77 000	81 000	.	5.19
Gypsum	(t)	1 700 000	1 700 000	1 200 000	1 200 000	1 200 000	-29.41	0.00
Kaolin	(t)	1 290 000	1 150 000	1 110 000	1 090 000	1 014 000	-21.40	-6.97
Potash	(t)	486 409	568 530	580 000	600 000	610 000	25.41	1.67
Salt	(t)	6 060 000	6 460 000	6 930 000	4 690 000	5 000 000	-17.49	6.61
Sulfur	(t)	165 000	158 000	313 000	134 000	130 000	-21.21	-2.99
Talc	(t)	3 708	3 667	2 947	4 907	5 000	34.84	1.90
Steam Coal	(t)	17 509 000	15 901 000	12 493 000	11 549 000	8 526 000	-51.31	-26.18
Coking Coal	(t)	383 000	386 000	179 000	99 000	72 000	-81.20	-27.27
Nat. Gas (Mio m³)		47 730	41 050	38 430	38 730	41 280	-13.51	6.58
Petroleum	(t)	51 972 400	44 560 800	41 100 800	40 327 750	45 698 100	-12.07	13.32
Total	(t)	117 997 798	103 818 058	94 757 783	90 840 657	95 447 311		

## United States

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	34 461 000	34 461 000	33 264 000	35 343 000	29 043 000	-15.72	-17.83
Cobalt	(t)				120	760	.	533.33
Molybdenum	(t)	63 700	60 400	61 000	68 200	47 400	-25.59	-30.50
Nickel	(t)				4 300	27 200	.	532.56
Titanium	(t)	217 000	164 000	155 000	142 000	140 000	-35.48	-1.41
Vanadium	(t)	590	106	591	0	0	-100.00	.

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Aluminium	(t)	1 986 000	2 070 300	1 946 000	1 709 668	1 586 518	-20.11	-7.20
Bauxite	(t)	63 100	128 152	128 000	128 000	100 000	58.48	-21.88
Cadmium	(t)	600	600	600	550	500	-16.67	-9.09
Copper	(t)	1 112 900	1 166 800	1 278 200	1 384 700	1 380 000	24.00	-0.34
Germanium	(t)	3	3	3	3	3	0.00	0.00
Lead	(t)	342 000	345 000	340 000	379 000	367 000	7.31	-3.17
Lithium	(t)	2 600	2 000	1 870	2 150	2 000	-23.08	-6.98
Mercury	(t)	15	15	15	15	15	0.00	0.00
Rare Earths	(t)		2 336	3 473	4 769	3 678	.	-22.88
Rhenium	(kg)	8 610	7 910	7 100	8 500	7 900	-8.25	-7.06
Tellurium	(t)	50	50	50	50	50	0.00	0.00
Zinc	(t)	768 900	738 400	784 400	831 500	824 700	7.26	-0.82
Gold	(kg)	233 925	234 623	228 234	210 076	212 304	-9.24	1.06
Palladium	(kg)	12 400	12 314	12 572	12 448	12 532	1.06	0.67
Platinum	(kg)	3 700	3 664	3 723	3 655	3 667	-0.89	0.33
Rhodium	(kg)	265	284	100	124	93	-64.91	-25.00
Silver	(kg)	1 122 300	1 055 300	1 037 000	1 183 900	1 090 000	-2.88	-7.93
Baryte	(t)	710 000	666 000	723 000	663 000	425 000	-40.14	-35.90
Bentonite	(t)	4 990 000	4 980 000	4 350 000	4 800 000	4 040 000	-19.04	-15.83
Boron	(t)	1 092 700	1 102 000	1 032 000	1 118 000	1 218 000	11.47	8.94
Diatomite	(t)	813 000	735 000	782 000	901 000	832 000	2.34	-7.66
Feldspar	(t)	580 000	560 000	550 000	530 000	520 000	-10.34	-1.89
Gypsum	(t)	9 770 000	12 800 000	14 400 000	14 900 000	15 200 000	55.58	2.01
Kaolin	(t)	5 950 000	5 900 000	6 140 000	6 250 000	5 990 000	0.67	-4.16
Perlite	(t)	420 000	393 000	419 000	462 000	459 000	9.29	-0.65
Phosphates	(t)	8 160 000	8 590 000	8 930 000	7 110 000	7 710 000	-5.51	8.44
Potash	(t)	1 000 000	900 000	960 000	850 000	740 000	-26.00	-12.94
Salt	(t)	45 000 000	37 200 000	39 900 000	45 300 000	45 000 000	0.00	-0.66
Sulfur	(t)	8 950 000	9 000 000	9 210 000	9 630 000	9 540 000	6.59	-0.93
Talc	(t)	616 000	515 000	542 000	609 987	687 000	11.53	12.63
Vermiculite	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Zircon	(t)	104 935	85 000	78 000	65 000	60 000	-42.82	-7.69
Steam Coal	(t)	837 211 000	768 014 000	743 730 000	760 930 000	690 006 000	-17.58	-9.32
Coking Coal	(t)	81 656 000	81 300 000	77 857 000	72 717 000	57 368 000	-29.74	-21.11
Lignite	(t)	73 574 000	71 602 000	70 061 000	72 110 000	64 930 100	-11.75	-9.96
Nat. Gas (Mio m³)		648 510	680 550	685 430	733 120	766 240	18.15	4.52
Petroleum	(t)	344 972 150	393 683 400	448 030 700	522 814 100	567 249 700	64.43	8.50
Uranium	(t)	1 812	1 882	2 164	2 263	1 481	-18.27	-34.56
Total	(t)	1 983 499 436	1 981 707 758	2 014 105 355	2 148 357 793	2 118 592 432		

## Uruguay

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	8 360	9 500	9 978	15 050	11 520	37.80	-23.46
Gold	(kg)	1 719	1 930	2 038	1 719	1 413	-17.80	-17.80

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Bentonite	(t)	1 210	5 530	8 974	7 800	4 252	251.40	-45.49
Feldspar	(t)	0	0	4	300	200	.	-33.33
Talc	(t)	54 880	370	708	360	585	-98.93	62.50
Total	(t)	64 452	15 402	19 666	23 512	16 558		

## Uzbekistan

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Molybdenum	(t)	544	560	490	450	570	4.78	26.67
Tungsten	(t)	48	131	98	83	110	129.17	32.53
Bismuth	(t)	2	2	2	2	2	0.00	0.00
Copper	(t)	80 000	80 200	80 000	80 000	90 000	12.50	12.50
Lead	(t)	6 000	10 000	12 000	12 000	12 000	100.00	0.00
Rhenium	(kg)	1 200	1 200	900	900	1 000	-16.67	11.11
Selenium	(t)	20	20	20	20	20	0.00	0.00
Zinc	(t)	5 000	6 000	8 000	8 000	8 000	60.00	0.00
Gold	(kg)	91 000	90 000	98 000	102 000	103 000	13.19	0.98
Silver	(kg)	60 000	60 000	60 000	60 000	60 000	0.00	0.00
Phosphates	(t)	152 100	154 800	155 000	136 510	166 800	9.66	22.19
Potash	(t)	30 000	108 000	84 600	96 360	103 000	243.33	6.89
Steam Coal	(t)	96 500	75 800	56 000	407 249	412 000	326.94	1.17
Lignite	(t)	3 750 000	3 784 000	4 034 000	3 989 586	3 988 000	6.35	-0.04
Nat. Gas (Mio m³)		61 070	62 911	59 630	61 740	58 780	-3.75	-4.79
Petroleum	(t)	3 600 000	3 165 000	3 146 000	2 961 000	2 760 000	-23.33	-6.79
Uranium	(t)	3 538	3 538	3 909	4 010	4 100	15.88	2.24
Total	(t)	56 579 904	57 717 002	55 284 278	57 087 433	54 568 766		

## Venezuela

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	10 625 600	10 012 000	7 278 800	7 318 100	7 615 100	-28.33	4.06
Nickel	(t)	25 700	8 800	5 800	3 599	3 707	-85.58	3.00
Aluminium	(t)	330 000	203 000	171 200	138 400	119 511	-63.78	-13.65
Bauxite	(t)	2 454 767	2 285 332	2 341 155	2 346 160	991 810	-59.60	-57.73
Gold	(kg)	4 608	1 982	1 675	1 056	558	-87.89	-47.16
Feldspar	(t)	76 726	85 115	91 054	93 934	75 527	-1.56	-19.60
Gypsum	(t)	7 000	0	0	0	0	-100.00	.
Kaolin	(t)	1 482	2 447	2 793	0	0	-100.00	.
Phosphates	(t)	46 970	42 430	29 780	10 030	7 370	-84.31	-26.52
Salt	(t)	681 000	661 000	508 000	610 000	642 000	-5.73	5.25
Sulfur	(t)	800 000	800 000	800 000	800 000	700 000	-12.50	-12.50

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Steam Coal	(t)	2 611 436	1 910 801	1 229 309	800 640	801 697	-69.30	0.13
Nat. Gas (Mio m³)		27 600	29 480	28 450	28 640	32 420	17.46	13.20
Oilsands*	(t)	28 112 000	30 738 000	29 880 000	30 100 000	29 980 000	6.64	-0.40
Petroleum	(t)	141 559 200	139 176 490	137 638 350	138 164 680	135 194 160	-4.50	-2.15
Total	(t)	181 299 886	178 771 417	172 856 243	173 197 544	172 086 883		

\*as part of petroleum

## Vietnam

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Iron	(t)	1 422 780	903 720	1 497 180	1 631 400	1 342 800	-5.62	-17.69
Chromium	(t)	24 900	830	800	0	0	-100.00	.
Cobalt	(t)			0	223	277	.	24.22
Manganese	(t)	27 800	6 800	51 600	50 000	50 000	79.86	0.00
Nickel	(t)		0	1 166	6 854	8 607	.	25.58
Titanium	(t)	395 200	508 720	533 420	290 160	146 740	-62.87	-49.43
Tungsten	(t)	1 600	1 100	1 660	3 510	4 063	153.94	15.75
Antimony	(t)	286	480	990	1 098	996	248.25	-9.29
Bauxite	(t)	100 000	100 000	482 000	1 090 000	1 200 000	1 100.00	10.09
Bismuth	(t)			0	2 324	3 000	.	29.09
Copper	(t)	11 890	12 720	14 188	21 762	24 491	105.98	12.54
Lead	(t)	5 200	400	1 900	2 800	1 900	-63.46	-32.14
Tin	(t)	5 400	5 400	5 400	5 400	5 400	0.00	0.00
Zinc	(t)	34 000	25 000	20 000	17 000	17 000	-50.00	0.00
Gold	(kg)	1 333	1 508	1 681	123	0	-100.00	-100.00
Baryte	(t)	90 000	90 000	90 000	112 000	140 000	55.56	25.00
Fluorspar	(t)		0	15 919	95 494	214 000	.	124.10
Gypsum	(t)	5 000	5 000	5 000	0	0	-100.00	.
Kaolin	(t)	650 000	650 000	650 000	650 000	650 000	0.00	0.00
Phosphates	(t)	718 590	709 140	796 830	741 270	827 430	15.15	11.62
Salt	(t)	862 000	776 400	718 700	905 600	991 000	14.97	9.43
Zircon	(t)	24 020	26 000	26 000	15 730	8 000	-66.69	-49.14
Steam Coal	(t)	46 611 000	42 083 000	41 064 000	41 086 000	41 484 000	-11.00	0.97
Nat. Gas (Mio m³)		8 480	9 355	9 751	10 210	10 660	25.71	4.41
Petroleum	(t)	15 185 000	16 739 000	16 705 000	17 392 000	18 746 000	23.45	7.79
Total	(t)	72 958 667	70 127 712	70 482 555	72 288 625	74 393 704		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

## Yemen

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Gypsum	(t)	110 000	120 000	120 000	100 000	100 000	-9.09	0.00
Salt	(t)	80 000	85 000	85 000	85 000	70 000	-12.50	-17.65
Nat. Gas (Mio m³)		9 620	7 590	9 544	9 741	2 854	-70.33	-70.70
Petroleum	(t)	10 371 700	8 357 500	9 387 600	7 354 000	2 543 000	-75.48	-65.42
Total	(t)	18 257 700	14 634 500	17 227 800	15 331 800	4 996 200		

## Zambia

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Cobalt	(t)	7 701	5 436	5 658	4 562	2 979	-61.32	-34.70
Manganese	(t)	6 320	24 270	21 760	22 000	5 000	-20.89	-77.27
Nickel	(t)	2 869	0	0	0	0	-100.00	.
Copper	(t)	739 800	699 020	763 805	708 259	711 515	-3.82	0.46
Gold	(kg)	3 493	4 232	5 207	4 803	4 238	21.33	-11.76
Sulfur	(t)	240 000	310 000	310 000	300 000	300 000	25.00	0.00
Steam Coal	(t)	1 000	90 493	415 233	159 151	103 439	10 243.90	-35.01
Total	(t)	997 693	1 129 223	1 516 461	1 193 977	1 122 937		

## Zimbabwe

		2011	2012	2013	2014	2015	Change 11/15	Change 14/15
Chromium	(t)	269 586	183 814	159 814	183 790	93 750	-65.22	-48.99
Cobalt	(t)	174	195	319	358	355	104.02	-0.84
Nickel	(t)	7 992	7 899	12 962	16 633	16 109	101.56	-3.15
Copper	(t)	6 555	6 665	8 285	8 261	8 218	25.37	-0.52
Lithium	(t)	840	1 670	1 680	1 720	1 845	119.64	7.27
Gold	(kg)	12 994	14 743	14 001	15 386	20 023	54.09	30.14
Palladium	(kg)	8 422	8 136	10 153	10 138	10 055	19.39	-0.82
Platinum	(kg)	10 827	10 524	13 065	12 483	12 564	16.04	0.65
Rhodium	(kg)	940	891	1 146	1 140	1 128	20.00	-1.05
Asbestos	(t)	0	30	377	0	0	.	.
Diam. (Gem)	(ct)	2 550 794	3 618 049	3 123 545	1 431 491	1 008 000	-60.48	-29.58
Diam. (Ind)	(ct)	5 951 854	8 442 114	7 288 273	3 340 146	2 352 000	-60.48	-29.58

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

Graphite	(t)	7 252	7 022	6 934	6 853	6 362	-12.27	-7.16
Magnesite	(t)	169	0	0	0	0	-100.00	.
Phosphates	(t)	13 800	5 040	0	0	0	-100.00	.
Vermiculite	(t)	7 228	21 625	28 808	30 740	30 350	319.89	-1.27
Steam Coal	(t)	2 562 000	2 614 000	2 665 000	5 361 000	3 873 000	51.17	-27.76
Coking Coal	(t)	389 000	430 000	449 000	422 000	422 000	8.48	0.00
Total	(t)	3 264 632	3 277 998	3 333 219	6 031 394	4 452 034		

**Total Prod.:** different units (m³, ct, kg) converted to metr. t  
**Abbreviations:** see Explanation

