

World Mining Data 2019

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



Impressum

Media Owner and Publisher:
Federal Ministry for Sustainability and Tourism
Directorate VI/7 – Mineral Resources Policy
Denisgasse 31, 1200 Vienna

Text and Editing: DI Christian Reichl
Database Programming: Mag. Michael Schatz
Layout of Statistical Tables: Alexandra Masopust
Graphic Design: Mag. Werner Resel

ISBN 978-3-901074-46-2
Vienna, April 2019

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Volume 34

C. Reichl, M. Schatz

Minerals Production

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Preface



Raw materials are the lifeblood of the economy. The sufficient supply of mineral raw materials under fair market conditions is an essential basis for a sustainable and 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, geopolitical and economic disorders can lead to a shortfall of mineral resources. Key technologies designed to secure our future viability and contribute to solving the grand challenges in the fields of climate and energy, health, nutrition, mobility, digitalisation, security and communication can only be implemented successfully under the premise of a sufficient supply of mineral raw materials. In order to enhance the competitiveness and sustainability of industry, the focus on innovative solutions along the entire value chain is important. Circular Economy will help to secure the sustainable supply of affordable resources in the long term.

Fact-based knowledge of mineral production, market concentrations and trends are the basis of foresight policy and decision-making. I am delighted that the annual publication "World Mining Data" serves since 34 years as a valuable basis for renowned national and international institutions, contributing to commodity forecasts. In this way, the Federal Ministry for Sustainability and Tourism 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!"

Elisabeth Köstinger
Federal Minister for Sustainability and Tourism

Minerals – Lifeblood of the economy

Major current
developments
in global mining
production based on
World Mining Data
2019

World mining production

2017

17.2 Billion metric tons

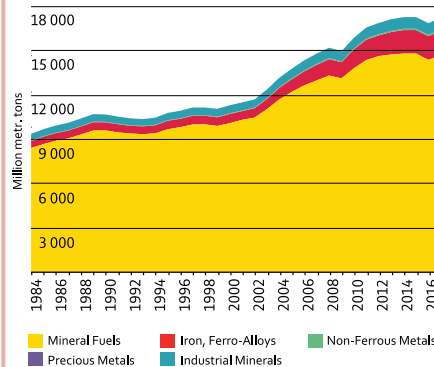
2000

11.3 Billion metric tons

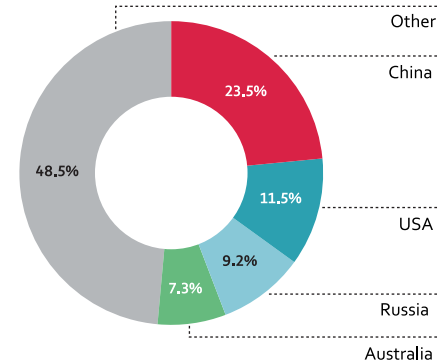
1985

9.6 Billion metric tons

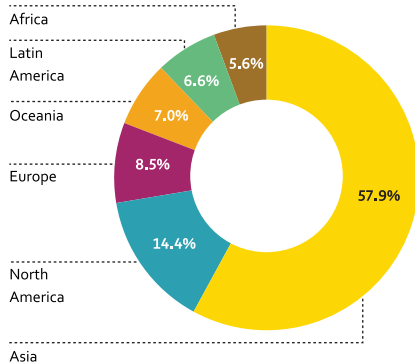
Total mining production 1984–2017



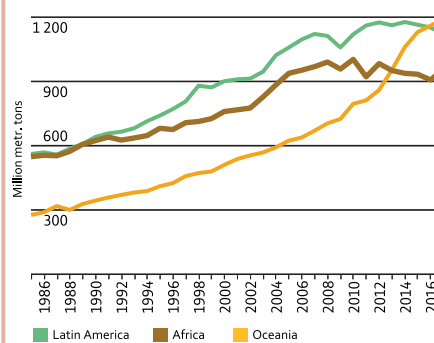
China, USA, Russia and Australia are the 4 biggest mining nations



Total production 2017 by continents



Minerals production: Oceania passed Africa in 2013 and Latin America in 2016



Key commodity Iron Ore

Ratio of Iron Ore to all other
Ferro-Alloy Metals

97.4% to 2.6%

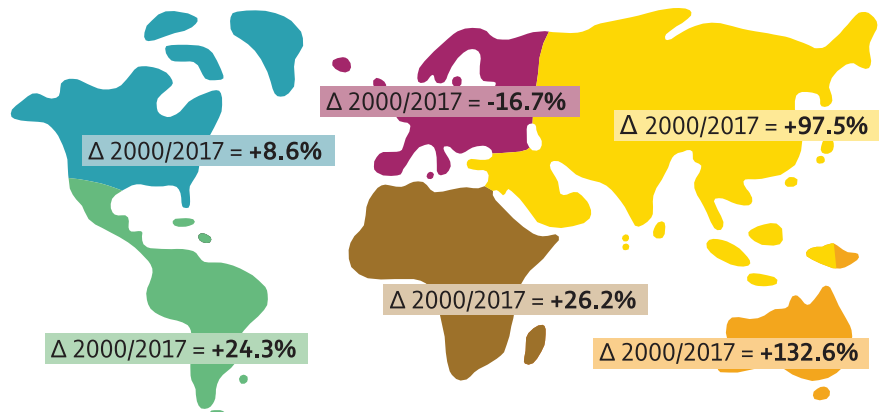
Growth rate of total Iron Ore production
2000/2017

165.4%

China is world's largest producer of 31 different commodities:

- **4 Iron and Ferro-Alloy Metals:** Mo, Ti, W, V
- **14 Non-Ferrous Metals:** Al, Sb, As, Bi, Cd, Ga, Ge, In, Pb, Hg, REE, Sn, Te, Zn
- **1 Precious Metal:** Au
- **10 Industrial Minerals:** Baryte, Bentonite, Fluorspar, Graphite, Gypsum, Kaolin, Magnesite, Phosphates, Salt, Talc
- **2 Mineral Fuels:** Steam Coal, Coking Coal

Declining production rates since 2000 only in Europe



Non-Ferrous Metals

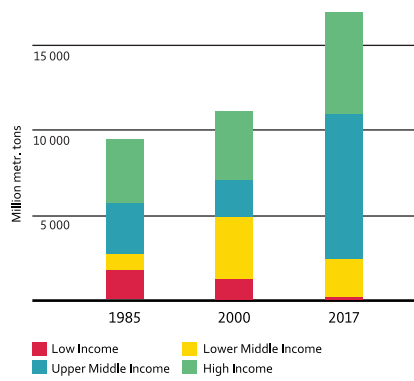
Ratio of 4 base metals Al, Cu, Zn, Pb to all other Non-Ferrous Metals

99.2% to 0.8%

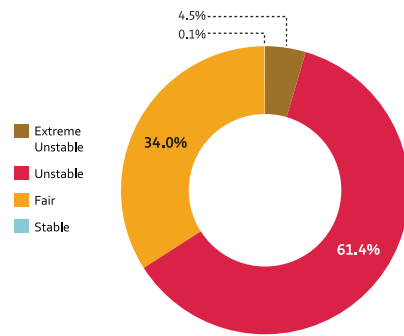
Growth rate of total Non-Ferrous Metals production 2000/2017

97.6%

Per capita income in USD – Mineral production contributes to wealth



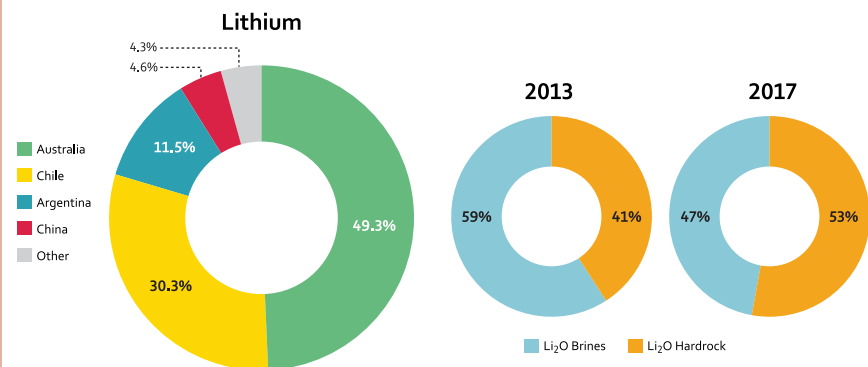
Political stability of producer countries 2017



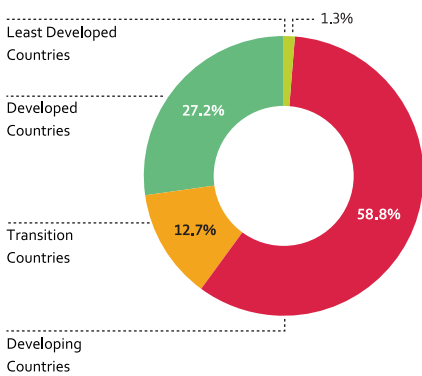
Big changes

	Δ 2000/2017	Δ 2016/2017
Gallium	496.2%	59.8%
Lithium	293.9%	30.1%
Tellurium	239.7%	42.3%
Beryllium	-4.3%	-6.2%
Arsenic	-18.1%	-0.3%
Asbestos	-43.8%	-10.1%

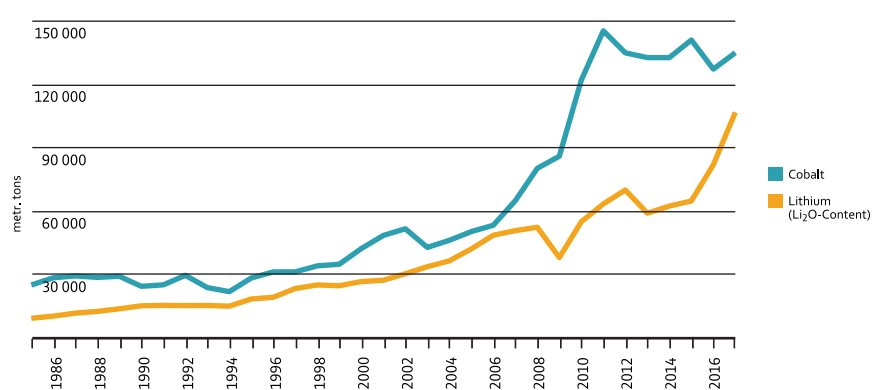
Key commodities for battery technology: Lithium, Cobalt, Manganese, Graphite



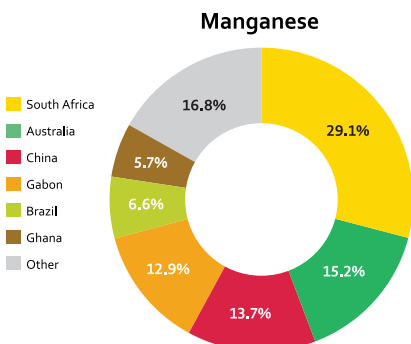
Development status of producer countries 2017



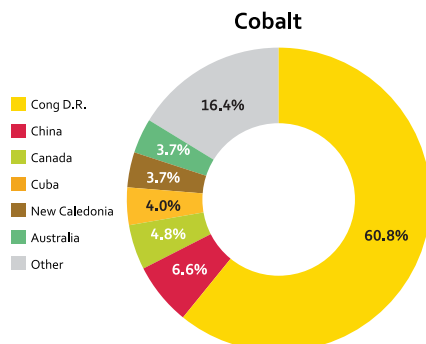
Strong increase in Lithium and Cobalt production in the last 10 years



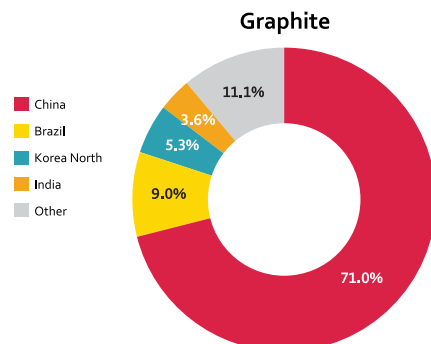
Largest 6 producer countries share 83.2%



Since decades Congo D.R. is dominating primary Cobalt production



China leads Natural Graphite production since the early 1990's



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, Beryllium, Bismuth, Cadmium, Copper, Gallium, Germanium, Indium, 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 which are 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 ³)	=	Cubic meter (m ³) x 0.028317
1 Cubic meter (m ³)	=	Cubic foot (ft ³) x 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:

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

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 TCE = tons of coal equivalent):

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 steam coal, coking coal (metr. t to TCE = tons of coal equivalent):

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 Kimberley Process Certification Scheme (KPCS)
- d World Nuclear Association
- 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 ₂ O ₃	metr. t
Cobalt	Co	metr. t
Manganese	Mn	metr. t
Molybdenum	Mo	metr. t
Nickel	Ni	metr. t
Niobium	Nb ₂ O ₅	metr. t
Tantalum	Ta ₂ O ₅	metr. t
Titanium	TiO ₂	metr. t
Tungsten	W	metr. t
Vanadium	V ₂ O ₅	metr. t

Non-Ferrous Metals:

Aluminium	Al, primary	metr. t
Antimony	Sb	metr. t
Arsenic	As ₂ O ₃	metr. t
Bauxite	crude ore	metr. t
Beryllium	conc.	metr. t
Bismuth	Bi	metr. t
Cadmium	Cd	metr. t
Copper	Cu	metr. t

Gallium	Ga	metr. t
Germanium	Ge	metr. t
Indium	In	metr. t
Lead	Pb	metr. t
Lithium	Li ₂ 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 ₂ O ₅	metr. t
Potash	K ₂ 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 ³
Oil Sands	crude	metr. t
Oil Shales		metr. t
Petroleum	crude	metr. t
Uranium	U ₃ O ₈	metr. t

Commodity Prices:

Sources of annual averages:

- Metall Bulletin
- Industrial Minerals
- BGR-Rohstoffdatenbank, 2018; Bundesanstalt für Geowissenschaften und Rohstoffe, Deutschland
- U.S. Geological Survey
- Kitco Metals Inc.
- Metal-Prices
- 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" appear in tables, they cover countries, territories, cities and areas.

Developed, developing countries:

According to 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

<https://unstats.un.org/unsd/methodology/m49/>

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 to 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 (1982-2017), 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 webpage www.un.org

Economies in Transition:

According to UNCTAD HANDBOOK OF STATISTICS (2018)

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)

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, Djibuti, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauretania, 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: Association of South East Asian Nations

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

BRICS Countries:

A 2001 report by Goldman Sachs chief economist Jim O'Neill created the modern term for the four major emerging economies with annual growth rates in economic performance of 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 2006-2017; associated members: Bolivia, Chile, Colombia, Ecuador, Guyana, Peru, Suriname

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), Lithuania (2018), 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, Comoros (2017), 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 ≤ -1.25 : extremely unstable; ≤ 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: L low income, LM lower middle income, UM upper middle income, H high income.

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
		see 1987								
L	-	-	-	≤ 480	≤ 545	≤ 580	≤ 610	≤ 635	≤ 675	≤ 695
LM	-	-	-	≤ 1940	≤ 2200	≤ 2335	≤ 2465	≤ 2555	≤ 2695	≤ 2785
UM	-	-	-	≤ 6000	≤ 6000	≤ 6000	≤ 7620	≤ 7910	≤ 8355	≤ 8625
H	-	-	-	> 6000	> 6000	> 6000	> 7620	> 7910	> 8355	> 8625
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
L	≤ 725	≤ 765	≤ 785	≤ 785	≤ 760	≤ 755	≤ 755	≤ 745	≤ 735	≤ 765
LM	≤ 2895	≤ 3035	≤ 3115	≤ 3125	≤ 3030	≤ 2995	≤ 2995	≤ 2975	≤ 2935	≤ 3035
UM	≤ 8955	≤ 9385	≤ 9645	≤ 9655	≤ 9360	≤ 9265	≤ 9265	≤ 9205	≤ 9075	≤ 9385
H	> 8955	> 9385	> 9645	> 9655	> 9360	> 9265	> 9265	> 9205	> 9075	> 9385
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
L	≤ 825	≤ 875	≤ 905	≤ 935	≤ 975	≤ 995	≤ 1005	≤ 1025	≤ 1035	≤ 1045
LM	≤ 3255	≤ 3465	≤ 3595	≤ 3705	≤ 3855	≤ 3945	≤ 3975	≤ 4035	≤ 4085	≤ 4125
UM	≤ 10065	≤ 10725	≤ 11115	≤ 11455	≤ 11905	≤ 12195	≤ 12275	≤ 12475	≤ 12615	≤ 12745
H	> 10065	> 10725	> 11115	> 11455	> 11905	> 12195	> 12275	> 12475	> 12615	> 12745

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
L	≤ 1 045	≤ 1 025	≤ 1 005	≤ 995						
LM	≤ 4 125	≤ 4 035	≤ 3 955	≤ 3 895						
UM	≤ 12 735	≤ 12 475	≤ 12 235	≤ 12 055						
H	> 12 735	> 12 475	> 12 235	> 12 055						

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 for concentrated markets is 2 000.

In chapter 6.5 the concentration of producer countries is calculated by the HHI similarly to the firms index (see fig. 3). 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 through 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. Other official mining statistics, where publically available, have also been used; for example, data produced by the British Geological Survey (World Mineral Statistics) and 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 is 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 for this report: February 28, 2019

Data received later than February 28, 2019 will be implemented in the next edition of this report.

Please send any remarks to

wmd@bmnt.gv.at

christian.reichl@bmnt.gv.at

World Mining Data is available at:

<https://www.bmnt.gv.at/energie-bergbau/bergbau/Welt-Bergbau-Daten.html>

<https://www.world-mining-data.info/>

Disclaimer:

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

Charts

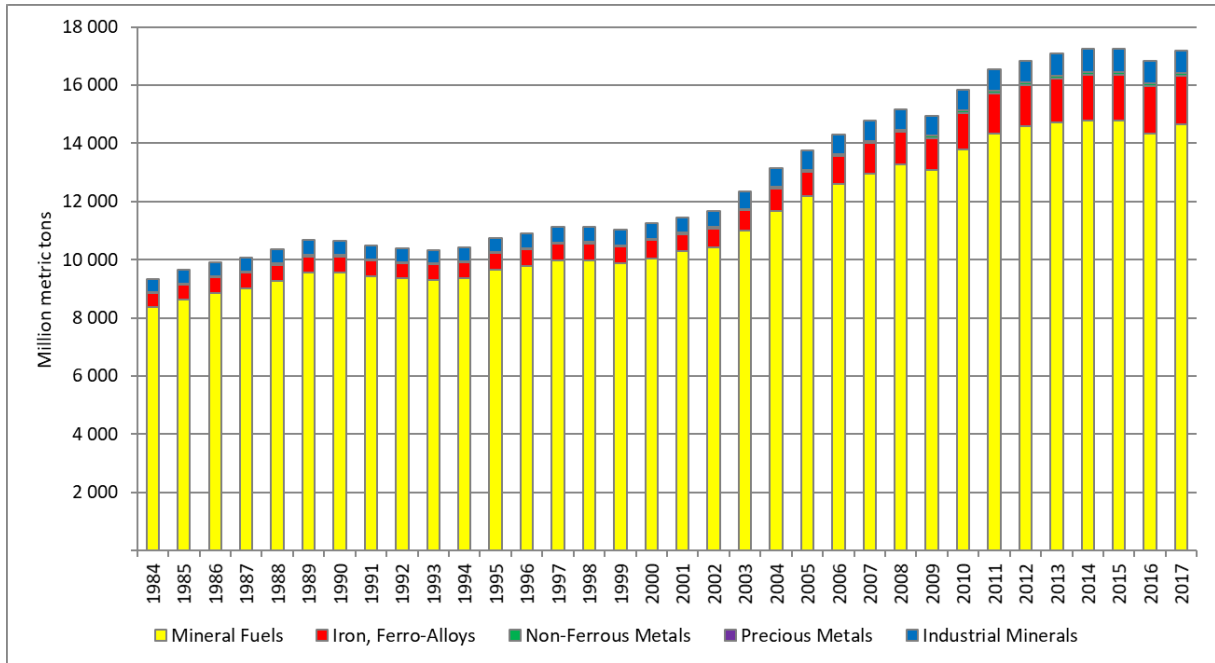


Fig. 1: World mining production 1984 - 2017 by groups of minerals (without construction minerals, in Million metr. t)

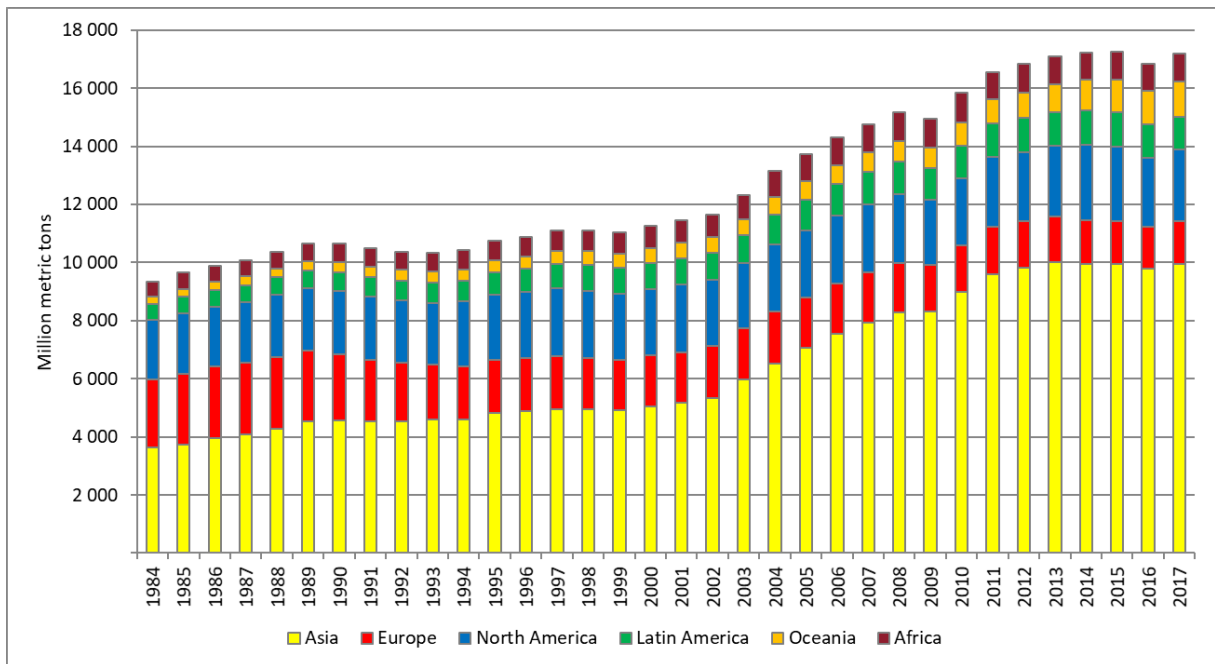


Fig. 2: World mining production 1984 - 2017 by continents (without construction minerals, in Million metr. t)

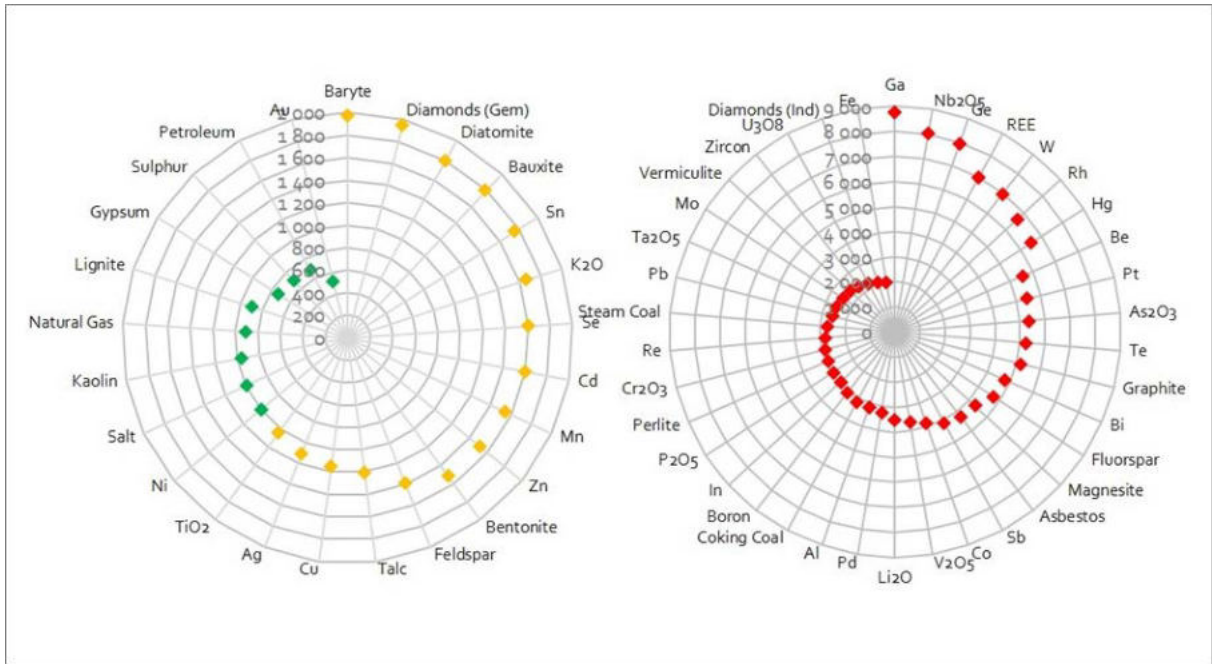


Fig. 3: Concentration of Producer Countries, Herfindahl-Hirschmann Indices in 2017
 left figure: HHI < 2.000 (Country Concentration ◆ low, ◆ moderate) right figure: HHI > 2.000 (Country Concentration ◆ high)

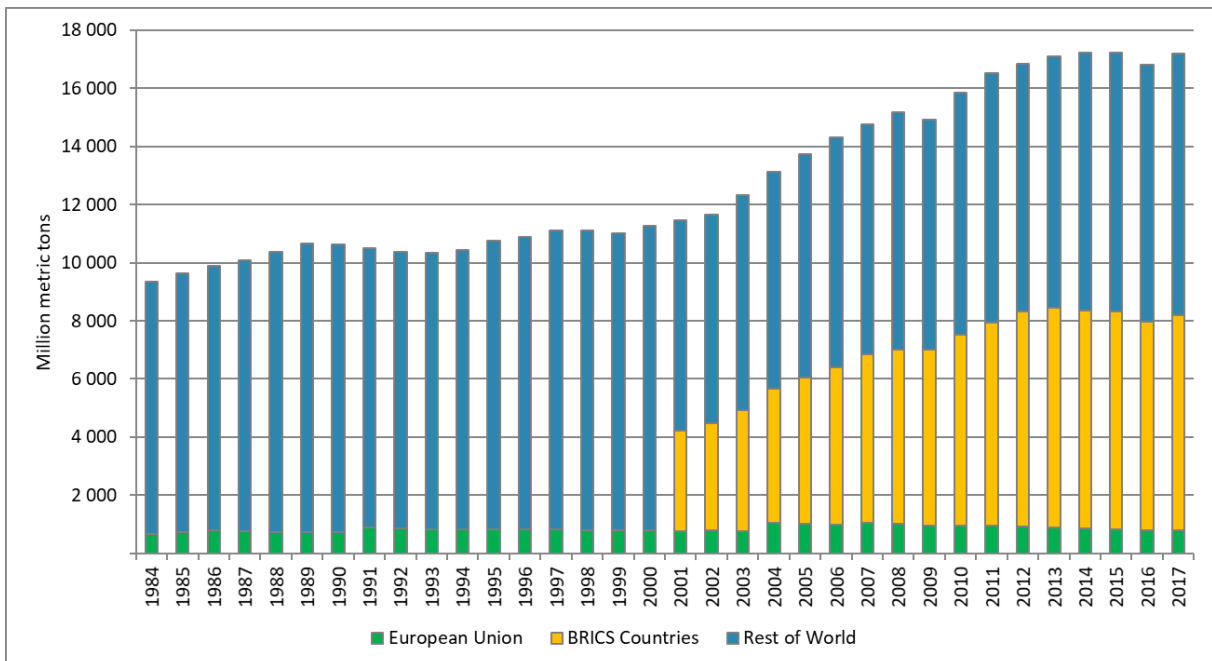


Fig. 4: World mining production 1984 - 2017 by economic blocks or cartel-like associations: European Union, BRICS Countries (without construction minerals, in Million metr. t)

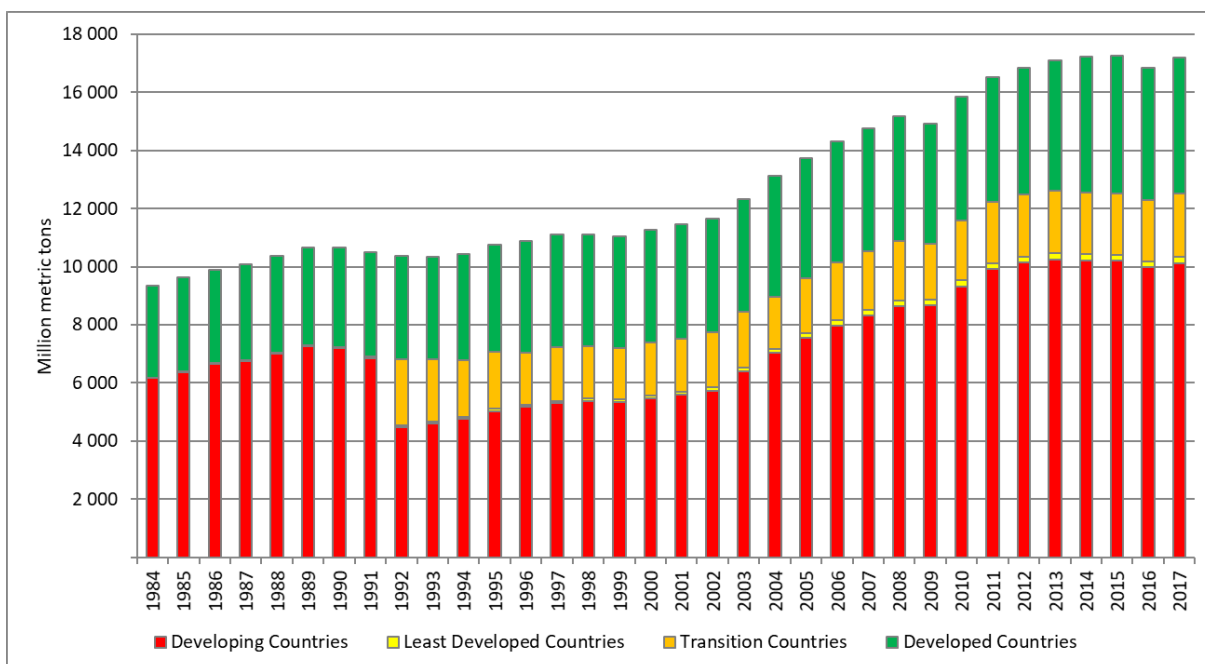


Fig. 5: World mining production 1984 - 2017 by development status of the producer countries (without construction minerals, in Million metr. t)

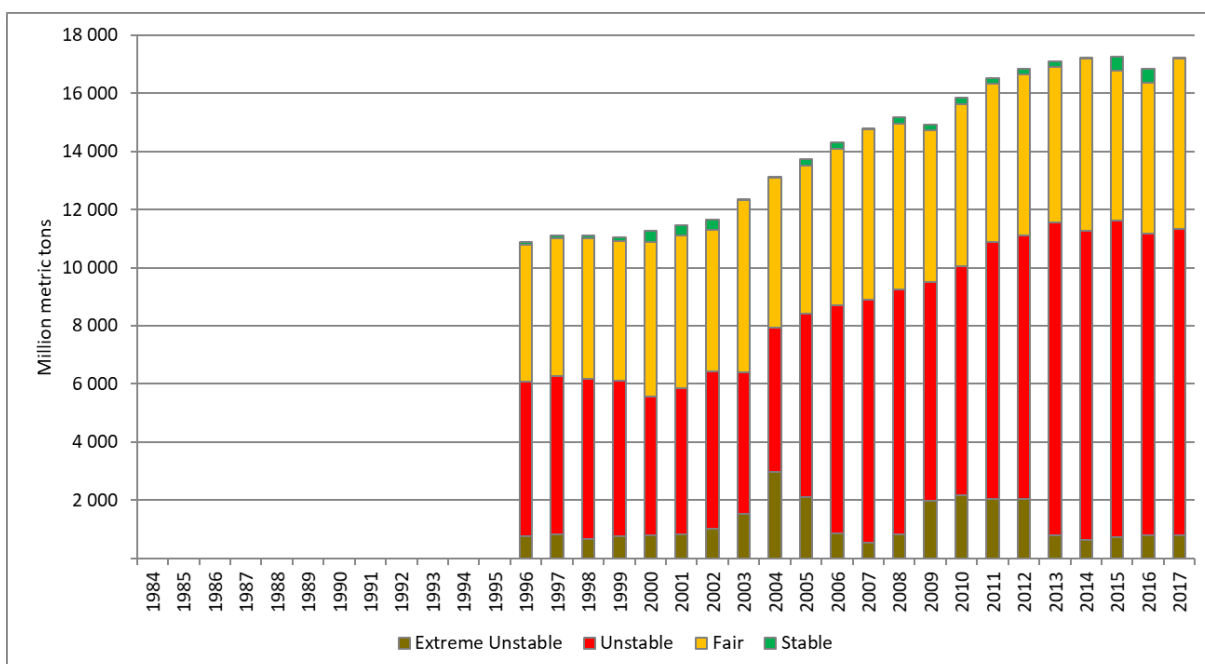


Fig. 6: World mining production 1984 - 2017 by political stability of the producer countries (without construction minerals, in Million metr. t)

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

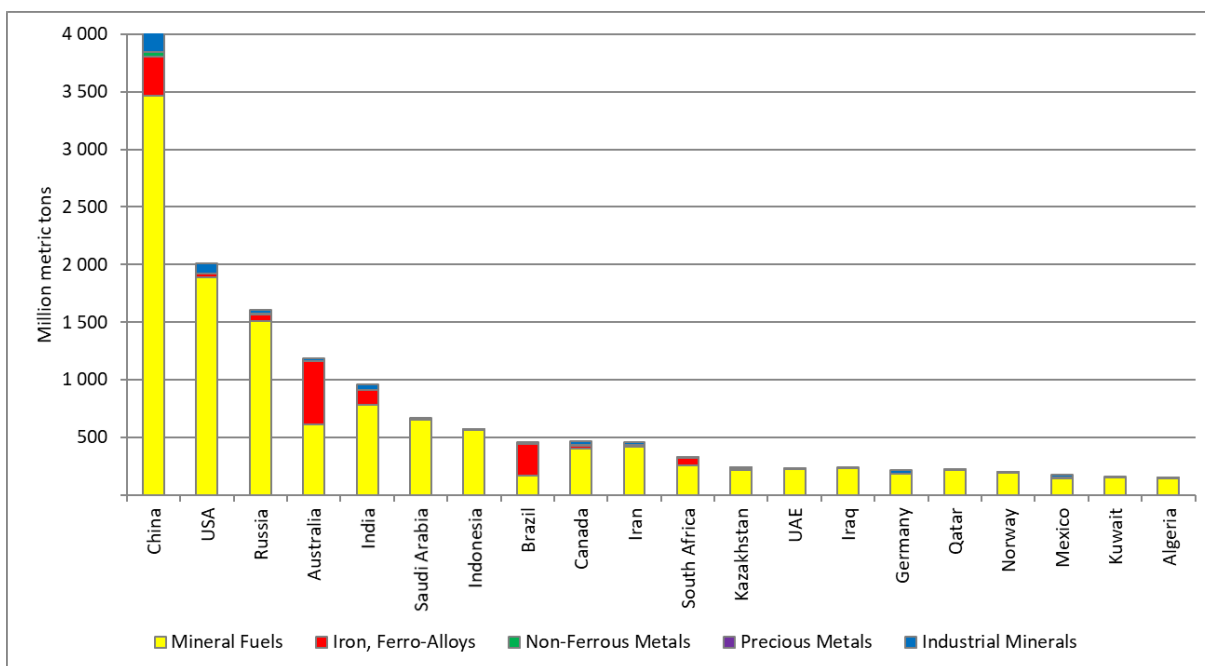


Fig. 7: 20 largest producer countries 2017 (without construction minerals, in Million metr. t)

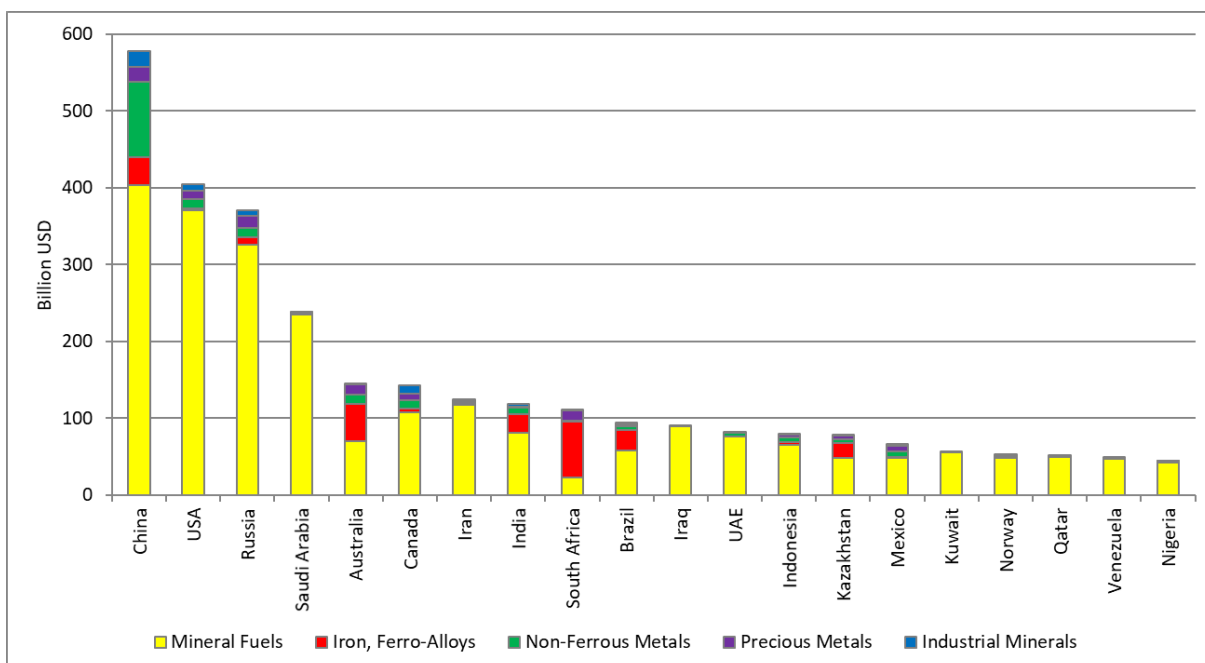


Fig. 8: 20 largest producer countries 2017 (without construction minerals, in Billion USD)

6 World Production of Mineral Raw Materials

6.1 Total World Production

6.1.1 Total Minerals Production, by Continents

	(not including bauxite) in metr. t				
	1984	1985	1986	1987	1988
Africa	491 277 838	553 611 145	560 389 452	558 162 223	578 429 601
Asia	3 621 314 210	3 739 476 730	3 967 359 418	4 077 928 222	4 279 287 546
Europe	2 343 687 167	2 434 569 522	2 471 557 140	2 485 274 829	2 472 914 295
Latin America	561 987 209	566 451 609	574 019 214	563 667 459	591 091 945
North America	2 059 724 620	2 071 063 053	2 027 980 977	2 072 705 805	2 141 270 229
Oceania	254 304 717	280 585 462	293 089 049	322 497 415	304 198 846
Total	9 332 295 761	9 645 757 521	9 894 395 250	10 080 235 953	10 367 192 462
	1989	1990	1991	1992	1993
Africa	611 700 950	629 191 234	645 653 677	631 548 263	641 442 391
Asia	4 532 525 599	4 573 060 015	4 530 396 545	4 548 220 868	4 612 144 260
Europe	2 424 486 765	2 260 384 385	2 123 019 949	1 988 394 941	1 874 964 144
Latin America	613 562 398	646 422 021	663 091 988	670 835 477	686 899 643
North America	2 149 864 726	2 188 415 391	2 168 657 375	2 165 667 883	2 125 490 049
Oceania	332 211 070	347 917 122	362 388 852	374 593 983	385 867 847
Total	10 664 351 508	10 645 390 168	10 493 208 386	10 379 261 415	10 326 808 334
	1994	1995	1996	1997	1998
Africa	652 593 419	686 972 850	680 883 877	713 277 901	718 775 972
Asia	4 588 322 107	4 815 059 663	4 874 850 486	4 964 116 824	4 962 012 156
Europe	1 826 572 787	1 833 430 282	1 832 220 547	1 827 952 944	1 746 837 267
Latin America	719 988 543	746 558 226	777 069 581	812 837 659	886 786 315
North America	2 243 126 143	2 252 006 443	2 295 220 797	2 330 778 494	2 320 319 541
Oceania	392 750 350	415 302 393	429 700 651	462 631 150	477 076 517
Total	10 423 353 349	10 749 329 857	10 889 945 939	11 111 594 972	11 111 807 768

	1999	2000	2001	2002	2003
Africa	732 165 377	765 733 161	773 456 477	781 715 961	833 951 331
Asia	4 921 796 566	5 043 150 649	5 163 465 843	5 346 009 637	5 959 374 863
Europe	1 720 797 326	1 752 805 369	1 751 057 269	1 776 027 766	1 774 625 224
Latin America	878 609 070	907 754 992	916 521 591	920 079 393	952 311 518
North America	2 289 479 455	2 279 984 584	2 314 350 651	2 277 920 661	2 241 993 845
Oceania	484 507 987	515 489 983	542 680 225	559 909 689	573 827 815
Total	11 027 355 781	11 264 918 738	11 461 532 056	11 661 663 107	12 336 084 596
	2004	2005	2006	2007	2008
Africa	890 333 467	944 609 106	959 218 693	975 938 143	997 478 226
Asia	6 527 255 206	7 059 272 983	7 544 012 353	7 945 585 705	8 284 173 393
Europe	1 785 765 526	1 747 995 393	1 726 507 459	1 716 393 426	1 694 201 327
Latin America	1 029 681 519	1 065 520 252	1 103 170 012	1 129 238 210	1 119 901 093
North America	2 310 566 856	2 299 927 113	2 336 268 322	2 326 846 598	2 360 827 721
Oceania	597 506 364	628 963 005	643 621 602	675 755 813	710 085 620
Total	13 141 108 938	13 746 287 852	14 312 798 441	14 769 757 895	15 166 667 380
	2009	2010	2011	2012	2013
Africa	964 559 707	1 010 191 375	928 358 623	990 253 926	957 631 569
Asia	8 319 551 182	8 976 185 551	9 606 762 055	9 806 378 960	10 004 295 762
Europe	1 601 396 349	1 617 502 524	1 633 433 986	1 614 269 471	1 573 537 322
Latin America	1 065 600 553	1 127 558 180	1 169 098 663	1 183 240 851	1 169 914 644
North America	2 251 157 245	2 307 422 252	2 380 597 924	2 384 298 170	2 436 163 732
Oceania	730 557 336	801 816 418	817 985 511	866 276 072	961 044 697
Total	14 932 822 372	15 840 676 300	16 536 236 762	16 844 717 450	17 102 587 726
	2014	2015	2016	2017	2018
Africa	944 491 982	940 260 836	913 272 134	966 256 214	
Asia	9 942 783 325	9 949 321 688	9 775 278 756	9 962 352 619	
Europe	1 507 699 079	1 483 264 232	1 448 785 062	1 459 912 535	
Latin America	1 185 211 154	1 172 125 415	1 159 115 020	1 127 948 810	
North America	2 591 411 670	2 563 155 993	2 366 170 693	2 477 110 090	
Oceania	1 067 680 288	1 138 384 041	1 168 111 202	1 199 024 453	
Total	17 239 277 498	17 246 512 205	16 830 732 867	17 192 604 721	

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

(not including bauxite)
in metr. t

	1984	1985	1986	1987	1988
CAS					
CPA	1 084 397 345	1 150 246 155	1 189 273 888	1 232 686 205	1 298 274 325
EEU	636 434 074	645 554 466	664 780 323	676 584 195	687 098 406
FSU	2 008 662 916	2 051 073 642	2 128 802 679	2 179 903 214	2 169 791 690
LAM	561 957 209	566 419 864	573 982 926	563 631 171	591 055 645
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	2 059 754 620	2 071 094 798	2 028 017 265	2 072 742 093	2 141 306 529
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	210 049 392	220 300 462
SAS	239 428 915	250 496 548	275 180 380	284 930 463	307 781 867
SSA	317 228 071	335 705 985	344 735 676	341 838 508	357 966 477
WEU	1 164 224 114	1 251 723 090	1 264 101 151	1 258 010 491	1 233 286 184
Total	9 332 295 761	9 645 757 521	9 894 395 250	10 080 235 953	10 367 192 462
	1989	1990	1991	1992	1993
CAS				278 896 061	261 685 653
CPA	1 388 932 427	1 421 739 140	1 442 426 318	1 480 078 032	1 529 984 539
EEU	663 945 884	594 929 160	568 068 077	527 621 664	481 307 898
FSU	2 177 826 838	2 108 198 188	1 970 059 731	1 482 944 278	1 407 816 504
LAM	613 526 098	646 386 021	663 055 988	670 798 477	686 862 643
MEA	910 052 502	929 738 138	919 651 604	1 024 379 148	1 072 979 738
NAF	230 573 878	250 061 489	260 688 687	249 164 947	247 976 735
NAM	2 149 901 026	2 188 451 391	2 168 693 375	2 165 704 883	2 125 527 049
PAO	350 812 432	364 694 462	379 147 438	388 768 686	395 786 857
PAS	234 655 221	245 597 278	267 909 635	279 690 642	293 744 018
SAS	321 613 319	344 310 203	366 070 717	373 570 728	384 199 829
SSA	381 127 072	379 129 745	384 964 990	382 383 316	393 465 656
WEU	1 241 384 811	1 172 154 953	1 102 471 826	1 075 300 553	1 045 471 215
Total	10 664 351 508	10 645 390 168	10 493 208 386	10 379 261 415	10 326 808 334
	1994	1995	1996	1997	1998
CAS	220 144 489	209 024 514	207 762 674	196 666 341	189 926 351
CPA	1 612 546 352	1 749 181 328	1 821 104 485	1 781 594 011	1 734 940 168
EEU	473 330 177	473 329 323	475 814 475	465 799 677	426 667 791
FSU	1 256 946 449	1 286 922 247	1 194 807 771	1 251 396 651	1 236 193 893
LAM	719 951 043	746 520 726	777 032 581	812 801 159	886 750 315
MEA	1 078 583 706	1 089 951 192	1 099 816 539	1 174 044 183	1 230 759 902
NAF	251 073 843	262 416 382	248 183 472	257 594 302	257 192 208
NAM	2 243 163 643	2 252 043 943	2 295 257 797	2 330 814 994	2 320 355 541
PAO	403 209 998	426 031 066	439 748 201	470 607 076	484 118 527
PAS	297 994 385	323 486 443	344 896 077	355 311 487	349 677 534
SAS	404 686 390	434 661 185	453 450 881	476 071 183	464 113 974
SSA	401 519 576	424 556 468	432 700 405	455 683 599	461 583 764
WEU	1 060 203 298	1 071 205 040	1 099 370 581	1 083 210 309	1 069 527 800
Total	10 423 353 349	10 749 329 857	10 889 945 939	11 111 594 972	11 111 807 768

	1999	2000	2001	2002	2003
CAS	193 706 481	226 432 590	247 773 722	260 744 996	279 344 945
CPA	1 670 212 701	1 665 580 291	1 721 395 760	1 871 279 187	2 261 216 388
EEU	405 152 560	418 948 260	421 744 469	414 324 863	415 183 733
FSU	1 221 889 847	1 240 984 946	1 241 622 547	1 295 937 135	1 345 916 566
LAM	878 573 070	907 754 992	916 521 591	920 079 393	952 311 518
MEA	1 223 230 192	1 302 647 752	1 307 915 835	1 261 056 891	1 368 594 720
NAF	274 893 639	291 278 229	292 003 404	295 825 223	323 298 425
NAM	2 289 515 455	2 279 984 584	2 314 350 651	2 277 920 661	2 241 993 845
PAO	492 003 248	523 601 670	552 188 142	565 740 567	580 094 628
PAS	361 258 737	358 455 183	376 101 452	386 337 973	412 137 437
SAS	484 445 067	503 113 092	524 385 940	555 615 559	595 343 350
SSA	457 271 738	474 454 932	481 453 073	485 890 738	510 652 906
WEU	1 075 203 046	1 071 682 217	1 064 075 470	1 070 909 921	1 049 996 135
Total	11 027 355 781	11 264 918 738	11 461 532 056	11 661 663 107	12 336 084 596
	2004	2005	2006	2007	2008
CAS	284 371 632	302 970 252	316 909 707	328 384 662	346 708 810
CPA	2 576 252 761	2 895 842 235	3 172 048 654	3 408 304 152	3 587 411 810
EEU	413 536 153	400 640 812	402 844 349	396 370 176	403 142 864
FSU	1 410 498 481	1 479 112 797	1 551 701 618	1 630 724 077	1 624 524 922
LAM	1 029 681 519	1 065 520 252	1 103 170 012	1 129 238 210	1 119 901 093
MEA	1 480 792 916	1 526 135 545	1 549 367 352	1 561 193 270	1 644 390 784
NAF	339 847 316	362 782 695	378 347 093	382 299 243	387 919 314
NAM	2 310 566 856	2 299 927 113	2 336 268 322	2 326 846 598	2 360 827 721
PAO	604 027 788	635 397 031	649 897 431	682 940 080	717 321 116
PAS	446 899 758	479 173 724	537 132 490	554 868 224	561 909 935
SAS	643 835 854	691 977 865	737 811 005	785 123 889	824 862 836
SSA	550 486 151	581 826 411	580 871 600	593 638 900	609 558 912
WEU	1 050 311 753	1 024 981 120	996 428 808	989 826 414	978 187 263
Total	13 141 108 938	13 746 287 852	14 312 798 441	14 769 757 895	15 166 667 380
	2009	2010	2011	2012	2013
CAS	318 617 571	338 471 845	361 658 083	371 210 481	370 398 153
CPA	3 690 453 473	4 065 870 173	4 440 098 393	4 517 574 635	4 647 638 198
EEU	381 015 033	378 227 910	408 107 344	397 795 864	376 569 220
FSU	1 548 485 383	1 656 671 195	1 703 388 893	1 718 503 027	1 735 235 925
LAM	1 065 600 553	1 127 558 180	1 169 098 663	1 183 240 851	1 169 914 644
MEA	1 563 942 792	1 674 226 324	1 811 124 320	1 859 762 639	1 860 138 899
NAF	368 194 412	371 937 872	296 658 330	336 597 562	305 341 154
NAM	2 251 157 245	2 307 422 252	2 380 597 924	2 384 298 170	2 436 163 732
PAO	737 605 411	808 778 097	824 429 190	872 713 977	967 231 719
PAS	606 736 251	661 295 368	742 799 757	788 720 759	835 737 010
SAS	887 883 195	891 532 522	877 403 553	878 380 373	890 147 559
SSA	596 365 295	638 253 503	631 700 293	653 656 364	652 290 415
WEU	916 765 758	920 431 059	889 172 019	882 262 748	855 781 098
Total	14 932 822 372	15 840 676 300	16 536 236 762	16 844 717 450	17 102 587 726

	2014	2015	2016	2017	2018
CAS	375 087 871	365 167 842	345 151 519	357 900 080	
CPA	4 552 199 071	4 467 553 151	4 103 214 282	4 195 925 820	
EEU	359 310 667	371 098 944	358 879 853	362 835 175	
FSU	1 698 337 732	1 695 144 193	1 720 014 053	1 781 577 507	
LAM	1 185 211 154	1 172 125 415	1 159 115 020	1 127 948 810	
MEA	1 888 530 199	1 978 856 509	2 084 962 815	2 082 354 358	
NAF	281 733 112	273 556 761	276 032 737	303 076 451	
NAM	2 591 411 670	2 563 155 993	2 366 170 693	2 477 110 090	
PAO	1 071 704 975	1 140 619 714	1 170 313 885	1 201 463 805	
PAS	829 729 166	785 100 338	801 432 006	797 681 312	
SAS	921 188 508	966 478 143	1 017 409 691	1 039 179 794	
SSA	662 758 870	666 704 075	637 239 397	663 179 763	
WEU	822 074 503	800 951 127	790 796 916	802 371 756	
Total	17 239 277 498	17 246 512 205	16 830 732 867	17 192 604 721	

6.1.3 Total Minerals Production, by Development Status of Producer Countries

(not including bauxite)
in metr. t

	1984	1985	1986	1987	1988
Developed C.	3 149 507 998	3 248 366 136	3 221 818 818	3 287 867 731	3 317 963 340
Transition C.	0	0	0	0	0
Developing C.	6 158 674 429	6 375 889 465	6 639 298 603	6 755 614 494	7 002 314 317
Least Developed C.	24 113 334	21 501 920	33 277 829	36 753 728	46 914 805
Total	9 332 295 761	9 645 757 521	9 894 395 250	10 080 235 953	10 367 192 462
	1989	1990	1991	1992	1993
Developed C.	3 358 214 700	3 401 004 421	3 589 562 690	3 562 285 638	3 506 781 936
Transition C.	0	0	7 001 748	2 288 481 585	2 149 919 544
Developing C.	7 252 043 833	7 187 614 089	6 842 842 646	4 474 005 258	4 614 629 052
Least Developed C.	54 092 975	56 771 658	53 801 302	54 488 934	55 477 802
Total	10 664 351 508	10 645 390 168	10 493 208 386	10 379 261 415	10 326 808 334
	1994	1995	1996	1997	1998
Developed C.	3 639 082 469	3 680 248 508	3 845 558 948	3 890 456 043	3 865 041 582
Transition C.	1 950 421 115	1 969 276 084	1 798 315 604	1 836 450 533	1 781 251 715
Developing C.	4 770 181 356	5 026 141 302	5 169 057 109	5 305 295 646	5 384 261 872
Least Developed C.	63 668 409	73 663 963	77 014 278	79 392 750	81 252 599
Total	10 423 353 349	10 749 329 857	10 889 945 939	11 111 594 972	11 111 807 768

	1999	2000	2001	2002	2003
Developed C.	3 841 190 738	3 872 372 901	3 931 701 112	3 917 992 960	3 878 626 480
Transition C.	1 755 542 775	1 814 611 809	1 838 511 400	1 902 947 632	1 927 733 648
Developing C.	5 335 296 802	5 477 834 732	5 581 135 380	5 718 949 230	6 405 028 762
Least Developed C.	95 325 466	100 099 296	110 184 164	121 773 285	124 695 706
Total	11 027 355 781	11 264 918 738	11 461 532 056	11 661 663 107	12 336 084 596
	2004	2005	2006	2007	2008
Developed C.	4 170 363 021	4 147 208 740	4 154 994 053	4 248 882 409	4 297 276 398
Transition C.	1 797 566 299	1 877 798 218	2 010 943 137	2 005 525 237	2 029 581 432
Developing C.	7 025 151 885	7 548 592 926	7 969 808 827	8 320 672 146	8 634 304 625
Least Developed C.	148 027 733	172 687 968	177 052 424	194 678 103	205 504 925
Total	13 141 108 938	13 746 287 852	14 312 798 441	14 769 757 895	15 166 667 380
	2009	2010	2011	2012	2013
Developed C.	4 134 686 734	4 255 661 983	4 296 376 748	4 370 553 465	4 477 469 693
Transition C.	1 925 078 614	2 050 039 040	2 126 177 938	2 145 859 013	2 157 456 358
Developing C.	8 671 242 480	9 324 985 297	9 916 986 377	10 131 498 682	10 253 574 207
Least Developed C.	201 814 544	209 989 980	196 695 699	196 806 290	214 087 468
Total	14 932 822 372	15 840 676 300	16 536 236 762	16 844 717 450	17 102 587 726
	2014	2015	2016	2017	2018
Developed C.	4 704 461 749	4 728 169 425	4 522 108 340	4 678 714 924	
Transition C.	2 115 077 810	2 111 841 135	2 122 123 956	2 191 216 461	
Developing C.	10 198 708 329	10 194 883 679	9 970 395 846	10 101 698 772	
Least Developed C.	221 029 610	211 617 966	216 104 725	220 974 564	
Total	17 239 277 498	17 246 512 205	16 830 732 867	17 192 604 721	

6.1.4 Total Minerals Production, by Country Groups and Economic Blocks

(not including bauxite)
in metr. t

	1984	1985	1986	1987	1988
ACP	140 716 271	151 949 530	154 004 089	152 731 687	160 849 315
ASEAN	160 419 687	167 112 878	176 501 599	179 493 167	189 625 527
BRICS	0	0	0	0	0
CPE	1 081 847 083	1 148 153 791	1 187 484 674	1 231 117 592	1 296 654 410
EC	667 433 246	724 285 498	778 526 057	765 918 701	741 105 727
EFTA	86 501 629	90 794 412	94 085 678	101 824 013	108 301 907
G7	2 631 523 836	2 690 779 307	2 651 279 886	2 678 929 345	2 727 616 585
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	3 186 386 393	3 293 648 183	3 275 705 065	3 341 736 654	3 364 743 714
SADC	17 935 614	18 448 131	22 266 329	27 368 846	32 221 336

	1989	1990	1991	1992	1993
ACP	183 831 380	182 875 594	188 965 526	196 814 158	195 686 437
ASEAN	207 124 244	222 458 445	247 004 434	258 663 394	271 351 229
BRICS	0	0	0	0	0
CPE	1 387 686 508	1 420 853 527	1 441 513 723	1 479 667 606	1 529 318 070
EC	726 811 162	713 282 694	899 968 413	849 114 897	820 714 351
EFTA	127 328 938	131 079 908	138 476 527	155 206 374	160 887 230
G7	2 705 703 970	2 731 823 486	2 891 249 115	2 836 368 720	2 764 192 240
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	3 419 450 860	3 459 590 155	3 650 180 184	3 629 632 309	3 566 637 085
SADC	32 532 417	34 481 813	34 374 885	36 256 605	33 922 716
	1994	1995	1996	1997	1998
ACP	192 974 744	202 526 057	211 974 524	217 480 690	478 541 199
ASEAN	278 595 335	323 135 285	347 527 171	363 111 792	362 334 122
BRICS	0	0	0	0	0
CPE	1 612 181 758	1 749 064 603	1 821 095 313	1 781 602 297	1 735 461 549
EC	810 593 106	830 560 136	834 912 330	810 232 730	793 059 116
EFTA	177 909 140	167 198 965	191 230 993	196 755 754	190 974 345
G7	2 872 006 701	2 884 801 215	2 922 920 848	2 939 142 423	3 990 387 274
MERCOSUR	0	237 744 912	241 754 188	258 158 580	276 046 988
NAFTA	2 452 491 510	2 457 816 874	2 518 262 061	2 559 849 452	2 557 181 794
OECD	3 915 749 316	4 033 082 692	4 380 118 639	4 432 248 218	4 399 295 240
SADC	257 535 416	277 796 119	281 762 373	299 455 912	303 439 020
	1999	2000	2001	2002	2003
ACP	480 749 198	506 076 245	514 445 444	522 545 099	554 189 825
ASEAN	375 945 662	376 588 348	399 006 665	413 093 166	442 822 686
BRICS	0	0	3 447 415 909	3 691 204 059	4 172 130 953
CPE	1 671 418 619	1 667 544 199	1 723 375 951	1 874 246 913	2 264 439 009
EC	794 931 157	785 865 808	775 370 891	783 360 788	761 445 669
EFTA	194 749 270	206 691 249	212 922 426	218 397 044	221 357 270
G7	3 951 818 633	3 939 431 188	3 960 244 064	3 970 639 484	3 964 175 013
MERCOSUR	282 748 724	305 879 670	301 536 799	318 735 895	332 243 088
NAFTA	2 521 000 546	2 513 474 551	2 550 124 145	2 514 177 971	2 490 503 111
OECD	4 362 825 440	4 388 230 323	4 445 963 269	4 421 847 020	4 395 861 260
SADC	305 753 050	305 765 038	307 466 314	319 218 257	328 807 074
	2004	2005	2006	2007	2008
ACP	596 767 663	631 247 589	647 231 054	664 529 458	679 159 864
ASEAN	491 746 072	529 523 216	591 309 381	612 398 763	616 362 511
BRICS	4 608 123 255	5 040 908 677	5 431 733 402	5 806 543 505	6 015 480 331
CPE	2 578 938 575	2 898 313 380	3 174 769 557	3 410 693 615	3 590 107 096
EC	1 042 461 044	1 004 753 860	968 084 051	1 032 754 494	1 008 553 529
EFTA	223 187 755	214 901 567	208 170 789	200 006 268	203 721 928
G7	4 079 894 038	4 101 051 252	4 169 749 885	4 219 588 817	4 222 442 286
MERCOSUR	361 091 110	384 188 065	628 913 827	652 236 026	646 652 940
NAFTA	2 563 242 037	2 554 816 554	2 588 530 179	2 575 526 144	2 593 592 131
OECD	4 488 701 774	4 481 008 308	4 496 406 819	4 497 949 341	4 534 732 518
SADC	341 465 580	365 950 912	367 087 253	384 691 611	404 063 724

	2009	2010	2011	2012	2013
ACP	668 528 178	711 154 014	694 607 777	706 746 531	710 223 554
ASEAN	668 838 330	725 115 329	808 291 271	851 851 564	899 330 201
BRICS	6 072 429 645	6 591 031 941	7 003 064 335	7 416 439 250	7 564 303 691
CPE	3 692 365 651	4 067 891 645	4 442 117 199	4 519 418 048	4 648 943 198
EC	939 868 941	939 477 847	942 403 695	920 388 214	886 433 500
EFTA	200 145 508	193 287 485	182 608 343	187 117 576	178 984 671
G7	4 019 330 041	4 164 080 753	4 261 891 552	4 264 654 713	4 317 461 587
MERCOSUR	594 891 174	640 392 344	653 336 639	655 380 189	635 773 348
NAFTA	2 474 984 187	2 533 779 295	2 607 713 725	2 615 070 535	2 665 699 023
OECD	4 359 863 751	4 544 679 818	4 617 875 767	4 665 169 998	4 782 301 475
SADC	397 865 867	413 002 945	405 498 384	424 201 445	430 141 360
	2014	2015	2016	2017	2018
ACP	723 470 476	725 789 705	690 100 470	715 006 534	
ASEAN	891 709 974	852 542 323	872 418 407	867 518 579	
BRICS	7 502 752 696	7 482 353 164	7 191 314 138	7 387 429 190	
CPE	4 553 903 742	4 464 856 660	4 092 274 902	4 184 328 643	
EC	850 978 835	825 464 417	783 988 582	795 282 579	
EFTA	180 889 335	189 345 430	190 495 979	193 499 569	
G7	2 955 225 453	2 919 746 057	2 711 765 187	2 822 049 249	
MERCOSUR	647 658 119	664 317 070	671 031 911	662 962 803	
NAFTA	2 813 586 194	2 762 410 703	2 557 807 016	2 650 929 332	
OECD	4 997 342 906	4 989 476 271	4 792 509 010	4 930 806 876	
SADC	442 085 602	434 882 683	423 243 675	439 064 026	

6.1.5 Total Minerals Production, by Political Stability of Producer Countries

(not including bauxite)
in metr. t

	1996	1997	1998	1999	2000
Stable	93 917 392	86 406 683	104 322 674	101 225 170	385 675 151
Fair	4 721 944 557	4 741 143 128	4 825 267 334	4 809 217 346	5 306 450 738
Unstable	5 306 577 143	5 466 560 113	5 511 547 016	5 375 167 667	4 791 309 403
Extreme Unstable	767 506 847	817 485 048	670 670 744	741 745 598	781 483 446
Total	10 889 945 939	11 111 594 972	11 111 807 768	11 027 355 781	11 264 918 738
	2001	2002	2003	2004	2005
Stable	355 055 767	348 952 565	19 634 161	47 455 753	244 042 974
Fair	5 249 748 257	4 893 259 593	5 914 412 713	5 162 932 146	5 086 964 811
Unstable	5 038 294 423	5 414 407 095	4 864 160 685	4 972 808 440	6 326 876 178
Extreme Unstable	818 433 609	1 005 043 854	1 537 877 037	2 957 912 599	2 088 403 889
Total	11 461 532 056	11 661 663 107	12 336 084 596	13 141 108 938	13 746 287 852

	2006	2007	2008	2009	2010
Stable	237 150 197	24 441 733	209 989 308	218 278 364	212 612 967
Fair	5 379 385 278	5 836 378 406	5 697 335 840	5 200 327 090	5 586 025 389
Unstable	7 830 793 600	8 371 213 732	8 424 346 332	7 551 903 353	7 882 403 323
Extreme Unstable	865 469 366	537 724 024	834 995 900	1 962 313 565	2 159 634 621
Total	14 312 798 441	14 769 757 895	15 166 667 380	14 932 822 372	15 840 676 300
	2011	2012	2013	2014	2015
Stable	195 792 370	205 948 562	198 611 645	36 408 695	458 356 532
Fair	5 452 125 875	5 529 689 451	5 348 665 606	5 940 513 181	5 167 574 228
Unstable	8 846 758 924	9 062 322 133	10 768 004 229	10 648 442 696	10 890 280 026
Extreme Unstable	2 041 559 593	2 046 757 304	787 306 246	613 912 926	730 301 419
Total	16 536 236 762	16 844 717 450	17 102 587 726	17 239 277 498	17 246 512 205
	2016	2017	2018	2019	2020
Stable	455 523 271	11 464 765			
Fair	5 195 969 949	5 846 151 160			
Unstable	10 389 334 618	10 551 865 134			
Extreme Unstable	789 905 029	783 123 662			
Total	16 830 732 867	17 192 604 721			

6.1.6 Total Minerals Production, by Groups of Commodities

(not including bauxite)
in metr. t

	1984	1985	1986	1987	1988
Iron and Ferro-Alloys	462 722 386	510 106 296	514 569 639	527 795 965	545 149 542
Non-Ferrous Metals	35 087 000	35 283 593	35 137 320	36 716 648	37 773 116
Precious Metals	14 609	15 039	14 972	15 754	16 744
Industrial Minerals	460 034 310	468 020 139	478 280 167	493 257 903	505 110 246
Mineral Fuels	8 374 437 456	8 632 332 454	8 866 393 152	9 022 449 683	9 279 142 814
Total	9 332 295 761	9 645 757 521	9 894 395 250	10 080 235 953	10 367 192 462
	1989	1990	1991	1992	1993
Iron and Ferro-Alloys	563 082 178	553 172 781	554 465 543	518 315 916	527 346 659
Non-Ferrous Metals	39 458 579	39 160 549	39 134 364	39 714 725	39 121 612
Precious Metals	17 189	17 418	17 000	17 352	16 581
Industrial Minerals	508 182 421	495 139 416	473 678 926	465 726 023	453 328 449
Mineral Fuels	9 553 611 141	9 557 900 004	9 425 912 553	9 355 487 399	9 306 995 033
Total	10 664 351 508	10 645 390 168	10 493 208 386	10 379 261 415	10 326 808 334

	1994	1995	1996	1997	1998
Iron and Ferro-Alloys	546 479 688	577 005 120	564 394 554	590 463 326	593 415 369
Non-Ferrous Metals	38 758 665	40 425 748	42 594 188	44 044 353	45 872 393
Precious Metals	15 937	16 863	17 370	18 567	19 575
Industrial Minerals	476 143 258	492 927 854	501 285 907	517 765 053	504 192 824
Mineral Fuels	9 361 955 801	9 638 954 272	9 781 653 920	9 959 303 673	9 968 307 607
Total	10 423 353 349	10 749 329 857	10 889 945 939	11 111 594 972	11 111 807 768
	1999	2000	2001	2002	2003
Iron and Ferro-Alloys	582 308 731	622 905 377	591 884 158	638 050 377	683 564 315
Non-Ferrous Metals	47 973 861	49 999 022	50 557 421	51 770 442	54 905 060
Precious Metals	19 871	21 041	21 628	21 769	21 737
Industrial Minerals	532 203 051	538 989 887	537 710 347	543 554 752	591 387 895
Mineral Fuels	9 864 850 267	10 053 003 411	10 281 358 502	10 428 265 767	11 006 205 589
Total	11 027 355 781	11 264 918 738	11 461 532 056	11 661 663 107	12 336 084 596
	2004	2005	2006	2007	2008
Iron and Ferro-Alloys	779 078 355	849 993 650	954 403 709	1 056 111 344	1 112 664 231
Non-Ferrous Metals	57 519 328	60 527 038	63 650 922	68 904 344	71 643 504
Precious Metals	22 637	23 216	22 932	23 447	24 044
Industrial Minerals	635 136 814	659 134 206	682 679 873	695 779 736	702 894 432
Mineral Fuels	11 669 351 804	12 176 609 742	12 612 041 005	12 948 939 024	13 279 441 169
Total	13 141 108 938	13 746 287 852	14 312 798 441	14 769 757 895	15 166 667 380
	2009	2010	2011	2012	2013
Iron and Ferro-Alloys	1 095 785 590	1 274 278 979	1 381 835 072	1 403 476 028	1 521 678 136
Non-Ferrous Metals	68 786 776	74 870 944	78 340 636	85 359 240	89 992 549
Precious Metals	25 518	26 727	26 914	28 216	29 524
Industrial Minerals	677 271 811	717 356 903	743 472 285	756 273 720	781 894 770
Mineral Fuels	13 090 952 677	13 774 142 747	14 332 561 855	14 599 580 246	14 708 992 747
Total	14 932 822 372	15 840 676 300	16 536 236 762	16 844 717 450	17 102 587 726
	2014	2015	2016	2017	2018
Iron and Ferro-Alloys	1 593 851 571	1 586 474 249	1 608 973 571	1 638 969 957	
Non-Ferrous Metals	92 289 255	96 418 048	97 056 301	98 814 709	
Precious Metals	30 612	31 396	31 372	30 220	
Industrial Minerals	784 436 848	785 125 844	782 394 796	791 073 427	
Mineral Fuels	14 768 669 212	14 778 462 668	14 342 276 827	14 663 716 408	
Total	17 239 277 498	17 246 512 205	16 830 732 867	17 192 604 721	

6.1.7 Mineral Fuels

6.1.7.1 Total Production in metr. t

	1984	1985	1986	1987	1988
Steam Coal	2 534 440 298	2 658 306 703	2 736 905 444	2 808 147 921	2 875 768 476
Coking Coal	576 027 300	581 408 250	588 041 000	590 868 000	623 305 000
Lignite	1 116 926 583	1 169 139 745	1 198 670 590	1 221 212 296	1 189 135 195
Petroleum Total	2 769 976 076	2 793 542 212	2 886 612 912	2 882 336 278	3 006 733 665
Petroleum Oil Sands	8 347 400	10 814 300	13 852 000	14 766 100	16 470 800
Nat. Gas	1 344 648 800	1 397 563 200	1 424 788 000	1 489 323 200	1 555 663 200
Oil Shales	32 357 240	32 310 047	31 310 014	30 492 137	28 466 360
Uranium	61 159	62 297	65 192	69 851	70 918
Total	8 374 437 456	8 632 332 454	8 866 393 152	9 022 449 683	9 279 142 814
	1989	1990	1991	1992	1993
Steam Coal	2 947 525 117	2 966 291 356	2 930 150 414	2 950 521 811	2 882 363 358
Coking Coal	623 030 700	637 817 000	600 582 000	526 682 580	511 671 000
Lignite	1 257 275 539	1 165 582 805	1 080 729 202	1 014 076 878	957 904 090
Petroleum Total	3 086 941 300	3 131 911 312	3 129 642 033	3 176 037 476	3 195 254 261
Petroleum Oil Sands	16 630 400	17 121 500	17 367 800	18 145 400	18 718 900
Nat. Gas	1 610 301 600	1 629 582 400	1 659 041 600	1 663 291 200	1 733 408 800
Oil Shales	28 468 938	26 655 905	25 718 314	24 835 014	26 355 156
Uranium	67 947	59 226	48 990	42 440	38 368
Total	9 553 611 141	9 557 900 004	9 425 912 553	9 355 487 399	9 306 995 033
	1994	1995	1996	1997	1998
Steam Coal	3 011 733 645	3 147 160 817	3 256 081 430	3 273 746 374	3 224 932 149
Coking Coal	522 755 000	550 969 000	520 902 000	529 871 000	495 690 000
Lignite	920 213 062	904 348 282	882 773 312	883 849 311	861 735 746
Petroleum Total	3 166 178 888	3 224 996 840	3 247 664 893	3 380 642 188	3 466 862 654
Petroleum Oil Sands	19 742 000	21 302 400	22 164 200	26 268 900	29 385 500
Nat. Gas	1 718 759 200	1 794 779 200	1 857 225 600	1 873 901 600	1 903 765 600
Oil Shales	22 278 784	16 659 899	16 965 358	17 251 305	15 281 589
Uranium	37 222	40 234	41 327	41 895	39 869
Total	9 361 955 801	9 638 954 272	9 781 653 920	9 959 303 673	9 968 307 607
	1999	2000	2001	2002	2003
Steam Coal	3 163 428 905	3 169 015 186	3 335 096 533	3 440 491 303	3 791 076 723
Coking Coal	480 858 000	475 656 000	475 451 000	478 068 000	527 816 120
Lignite	848 370 347	862 776 576	890 548 501	891 817 623	878 293 662
Petroleum Total	3 402 987 116	3 529 486 743	3 532 724 686	3 508 383 240	3 652 117 016
Petroleum Oil Sands	31 572 300	41 976 000	47 782 900	60 145 400	63 122 200
Nat. Gas	1 955 867 200	2 001 854 400	2 033 268 000	2 094 724 000	2 139 822 400
Oil Shales	13 301 711	14 172 936	14 227 015	14 739 077	17 037 785
Uranium	36 988	41 570	42 767	42 524	41 883
Total	9 864 850 267	10 053 003 411	10 281 358 502	10 428 265 767	11 006 205 589

	2004	2005	2006	2007	2008
Steam Coal	4 127 009 942	4 387 272 606	4 664 879 497	4 848 258 117	5 018 892 543
Coking Coal	600 997 201	680 609 428	716 920 531	794 214 709	801 224 094
Lignite	894 070 195	934 846 769	949 111 979	957 520 005	983 195 678
Petroleum Total	3 833 181 378	3 885 745 650	3 909 013 933	3 890 919 700	3 932 970 141
Petroleum Oil Sands	79 595 200	77 093 300	85 577 100	90 068 000	90 885 200
Nat. Gas	2 198 018 400	2 271 561 600	2 355 988 800	2 439 472 000	2 525 075 200
Oil Shales	16 027 336	16 524 485	16 079 794	18 505 726	18 031 734
Uranium	47 352	49 204	46 471	48 767	51 779
Total	11 669 351 804	12 176 609 742	12 612 041 005	12 948 939 024	13 279 441 169
	2009	2010	2011	2012	2013
Steam Coal	5 148 155 149	5 397 762 695	5 743 171 410	5 835 163 988	5 895 350 486
Coking Coal	824 599 040	943 566 350	1 018 552 520	1 025 682 310	1 084 780 600
Lignite	833 407 466	847 584 916	891 323 386	894 761 867	856 633 855
Petroleum Total	3 827 177 307	3 915 404 734	3 943 472 418	4 048 864 520	4 057 262 317
Petroleum Oil Sands	97 409 400	103 139 500	108 659 200	119 578 500	126 441 400
Nat. Gas	2 441 665 600	2 650 956 000	2 716 473 600	2 775 336 000	2 793 519 200
Oil Shales	15 888 442	18 805 092	19 505 132	19 701 365	21 375 653
Uranium	59 673	62 960	63 389	70 196	70 636
Total	13 090 952 677	13 774 142 747	14 332 561 855	14 599 580 246	14 708 992 747
	2014	2015	2016	2017	2018
Steam Coal	5 823 515 359	5 669 865 899	5 252 307 080	5 444 017 090	
Coking Coal	1 118 849 146	1 089 844 710	1 041 453 657	1 039 406 090	
Lignite	818 877 727	821 961 221	818 488 535	828 886 820	
Petroleum Total	4 139 748 455	4 283 869 459	4 301 940 302	4 307 007 309	
Petroleum Oil Sands	137 647 300	147 877 700	149 401 300	157 970 300	
Nat. Gas	2 845 711 200	2 892 342 400	2 911 330 400	3 021 772 000	
Oil Shales	21 899 496	20 506 638	16 682 046	22 558 073	
Uranium	67 829	72 341	74 807	69 026	
Total	14 768 669 212	14 778 462 668	14 342 276 827	14 663 716 408	

6.1.7.2 Total Production in tons of coal equivalent (TCE)

	1984	1985	1986	1987	1988
Steam Coal	1 985 020 101	2 079 713 562	2 141 602 984	2 196 768 911	2 243 119 359
Coking Coal	439 196 733	444 260 398	446 965 700	449 069 830	474 789 400
Lignite	360 814 032	378 669 882	388 743 522	396 852 134	387 609 598
Petroleum Total	3 955 525 837	3 989 178 279	4 122 083 238	4 115 976 205	4 293 615 674
Petroleum Oil Sands	11 920 087	15 442 820	19 780 656	21 085 991	23 520 302
Nat. Gas	1 820 654 475	1 892 300 573	1 929 162 952	2 016 543 613	2 106 367 973
Oil Shales	9 804 244	9 789 944	9 486 934	9 239 118	8 625 307
Uranium	1 009 123 500	1 027 900 500	1 075 668 000	1 152 541 500	1 170 147 000
Total	9 580 138 921	9 821 813 138	10 113 713 331	10 336 991 310	10 684 274 311

	1989	1990	1991	1992	1993
Steam Coal	2 297 899 549	2 315 222 605	2 288 592 715	2 317 476 470	2 258 341 530
Coking Coal	475 654 417	491 605 370	464 616 790	420 803 973	410 597 680
Lignite	408 804 798	380 691 779	351 909 015	350 948 625	329 597 560
Petroleum Total	4 408 152 176	4 472 369 354	4 469 128 823	4 535 381 516	4 562 823 085
Petroleum Oil Sands	23 748 211	24 449 502	24 801 218	25 911 631	26 730 589
Nat. Gas	2 180 348 366	2 206 454 570	2 246 342 326	2 252 096 285	2 347 035 515
Oil Shales	8 626 088	8 076 739	7 792 649	7 525 009	7 985 612
Uranium	1 121 125 500	977 229 000	808 335 000	700 260 000	633 072 000
Total	10 900 610 895	10 851 649 416	10 636 717 319	10 584 491 878	10 549 452 982
	1994	1995	1996	1997	1998
Steam Coal	2 358 527 694	2 464 135 157	2 546 342 255	2 565 248 915	2 533 512 943
Coking Coal	421 299 300	440 196 910	418 167 490	425 193 580	397 947 170
Lignite	315 782 790	312 043 680	301 350 828	303 744 060	292 480 864
Petroleum Total	4 521 303 452	4 605 295 488	4 637 665 467	4 827 557 044	4 950 679 870
Petroleum Oil Sands	28 191 576	30 419 827	31 650 478	37 511 989	41 962 494
Nat. Gas	2 327 199 957	2 430 131 037	2 514 683 462	2 537 262 766	2 577 698 622
Oil Shales	6 750 472	5 047 949	5 140 503	5 227 145	4 630 321
Uranium	614 163 000	663 861 000	681 895 500	691 267 500	657 838 500
Total	10 565 026 664	10 920 711 221	11 105 245 506	11 355 501 011	11 414 788 291
	1999	2000	2001	2002	2003
Steam Coal	2 485 401 815	2 486 197 711	2 617 454 059	2 690 426 062	2 940 151 816
Coking Coal	387 617 140	383 208 550	382 573 630	382 252 640	419 362 296
Lignite	289 654 797	293 377 469	303 758 682	302 211 847	297 611 763
Petroleum Total	4 859 465 602	5 040 107 069	5 044 730 852	5 009 971 267	5 215 223 099
Petroleum Oil Sands	45 085 244	59 941 728	68 233 981	85 887 631	90 138 502
Nat. Gas	2 648 244 189	2 710 510 858	2 753 044 872	2 836 256 296	2 897 319 530
Oil Shales	4 030 418	4 294 400	4 310 786	4 465 940	5 162 449
Uranium	610 302 000	685 905 000	705 655 500	701 646 000	691 069 500
Total	11 284 715 961	11 603 601 056	11 811 528 380	11 927 230 052	12 465 900 453
	2004	2005	2006	2007	2008
Steam Coal	3 192 584 657	3 384 032 805	3 584 539 581	3 714 754 041	3 837 647 360
Coking Coal	473 988 657	533 191 273	557 668 375	618 649 019	624 698 083
Lignite	304 057 870	319 852 059	326 631 993	329 756 850	339 373 308
Petroleum Total	5 473 783 008	5 548 844 788	5 582 071 896	5 556 233 332	5 616 281 361
Petroleum Oil Sands	113 661 946	110 089 232	122 204 099	128 617 104	129 784 066
Nat. Gas	2 976 116 914	3 075 694 406	3 190 008 835	3 303 045 088	3 418 951 821
Oil Shales	4 856 283	5 006 919	4 872 178	5 607 235	5 463 615
Uranium	781 308 000	811 866 000	766 771 500	804 655 500	854 353 500
Total	13 206 695 388	13 678 488 251	14 012 564 358	14 332 701 065	14 696 769 049

	2009	2010	2011	2012	2013
Steam Coal	3 921 037 917	4 093 693 367	4 340 393 395	4 398 451 148	4 436 711 206
Coking Coal	635 657 384	732 783 510	785 922 232	791 664 822	836 729 076
Lignite	280 791 804	288 408 437	303 452 261	302 947 507	289 922 083
Petroleum Total	5 465 209 194	5 591 197 960	5 631 278 613	5 781 778 535	5 793 770 589
Petroleum Oil Sands	139 100 623	147 283 206	155 165 338	170 758 098	180 558 319
Nat. Gas	3 306 015 222	3 589 394 424	3 678 105 254	3 757 804 944	3 782 424 997
Oil Shales	4 814 198	5 697 943	5 910 055	5 969 514	6 476 823
Uranium	984 604 500	1 038 840 000	1 045 918 500	1 158 234 000	1 165 494 000
Total	14 598 130 220	15 340 015 641	15 790 980 310	16 196 850 469	16 311 528 773
	2014	2015	2016	2017	2018
Steam Coal	4 392 298 981	4 272 261 203	3 951 394 149	4 094 458 108	
Coking Coal	864 209 994	843 349 034	807 201 340	810 101 137	
Lignite	278 778 853	280 811 916	281 164 329	283 766 774	
Petroleum Total	5 911 560 794	6 117 365 587	6 143 170 751	6 150 406 437	
Petroleum Oil Sands	196 560 344	211 169 356	213 345 056	225 581 588	
Nat. Gas	3 853 092 965	3 916 231 610	3 941 941 362	4 091 479 288	
Oil Shales	6 635 547	6 213 511	5 054 660	6 835 096	
Uranium	1 119 178 500	1 193 626 500	1 234 315 500	1 138 929 000	
Total	16 425 755 634	16 629 859 361	16 364 242 091	16 575 975 840	

6.1.8 Total Minerals Production 2017, 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	4 107 911 005	336 034 420	42 037 634	3 928	192 251 700	3 468 566 323
United States	2 013 644 488	30 121 340	3 093 279	1 271	91 394 000	1 888 682 498
Russia	1 610 817 380	59 885 306	4 758 067	1 684	32 035 383	1 508 036 940
Australia	1 271 899 033	552 248 614	3 728 548	1 415	17 868 765	608 631 102
India	984 418 011	127 260 800	4 376 355	560	47 683 319	782 784 296
Saudi Arabia	673 751 592	266 800	843 725	15	13 919 332	653 715 720
Indonesia	568 394 297	1 090 350	931 169	334	3 735 080	560 903 984
Brazil	496 158 227	275 313 425	1 366 127	131	17 559 421	163 796 623
Canada	463 817 702	27 689 535	4 178 189	597	32 549 703	399 399 678
Iran	461 378 245	22 045 675	878 284	57	23 231 029	414 418 690
South Africa	323 676 748	62 153 807	860 781	429	2 933 682	257 728 049
Kazakhstan	243 746 697	14 259 095	1 224 883	1 127	5 958 909	217 456 583
United Arab Emirates	231 811 690	0	2 533 000	0	4 600 000	224 678 690
Iraq	231 089 210	0	0	0	1 280 000	229 809 210
Germany	219 052 926	75 100	551 450	0	34 426 327	184 000 049
Qatar	216 950 600	0	620 000	0	2 000 000	214 330 600
Norway	191 911 230	1 231 090	1 253 416	0	197 491	189 229 233
Mexico	173 819 242	7 253 015	1 658 919	5 942	19 562 339	145 339 027
Kuwait	148 976 600	0	0	0	623 800	148 352 800
Algeria	147 301 248	268 400	350	0	3 086 298	143 946 200
Venezuela	145 072 208	4 615 000	136 000	8	1 380 000	138 699 200
Colombia	142 003 737	361 236	9 356	56	1 117 949	140 512 740
Poland	140 828 443	720	508 512	1 291	6 932 480	133 385 440
Nigeria	135 170 050	13 655	52 940	7	121 234	134 982 214

Turkey	126 405 053	7 924 640	612 030	174	35 366 936	80 782 129
Malaysia	97 253 720	2 786 436	765 121	4	780 248	92 091 911
United Kingdom	90 559 731	1 086	48 355	0	6 878 230	83 632 060
Ukraine	88 636 516	39 848 900	10	0	6 041 920	42 745 686
Oman	86 528 165	184 490	252 714	0	8 734 061	77 356 900
Angola	84 690 002	0	0	0	133 002	84 557 000
Egypt	76 068 717	200 000	279 100	17	4 195 600	71 394 000
Thailand	71 966 587	3 978	1 921	0	13 855 961	58 104 727
Vietnam	69 688 677	3 195 191	44 795	1	2 235 890	61 647 800
Turkmenistan	62 381 590	0	0	0	310 000	62 071 590
Argentina	60 078 247	29 051	537 578	1 071	3 801 934	55 708 613
Mongolia	54 181 050	4 312 193	363 680	87	320 190	49 184 900
Azerbaijan	53 655 438	0	30 563	14	387 661	53 237 200
Uzbekistan	52 261 486	803	122 357	150	524 906	51 613 270
Libya	50 235 440	0	0	0	255 000	49 980 440
Guinea	49 731 637	0	0	47	0	0
Czech Republic	48 754 866	0	0	0	4 332 000	44 422 866
Pakistan	48 502 107	232 730	32 577	0	6 531 039	41 630 386
Greece	43 485 844	21 090	204 657	24	3 384 372	37 948 551
Netherlands	43 282 120	0	31 520	0	6 935 000	36 315 600
Romania	41 319 314	5 660	291 944	19	3 168 791	37 852 900
Serbia	41 185 742	0	70 932	13	118 197	40 996 600
Bulgaria	39 244 704	574	152 738	62	4 429 900	34 661 430
Peru	33 306 463	6 017 664	4 244 207	4 570	5 696 676	17 343 346
Trinidad and Tobago	31 408 035	0	0	0	0	31 408 035
Chile	31 137 470	9 612 073	5 566 615	1 357	12 324 275	3 633 150
Ecuador	26 924 285	0	8 460	6	93 419	26 822 400
Bangladesh	25 423 708	0	0	0	1 660 000	23 763 708
Estonia	21 625 000	0	0	0	0	21 625 000
Spain	20 827 033	564	638 349	72	17 063 734	3 124 314
Korea, North	20 473 900	630 650	66 800	50	883 400	18 893 000
Bolivia	20 190 396	23 248	669 195	1 252	241 401	19 255 300
Philippines	18 690 532	378 021	68 256	55	2 424 300	15 819 900
Equatorial Guinea	18 237 600	0	0	0	0	18 237 600
Sweden	17 980 551	17 408 000	550 075	476	22 000	0
Mozambique	17 295 139	557 767	577 548	2	235 087	15 921 553
Bosnia-Herzegovina	17 225 799	827 170	142 635	0	1 482 106	14 033 504
Myanmar	16 757 008	166 180	181 710	2	438 916	15 970 200
Italy	16 098 582	0	5	0	7 481 177	8 617 400
Congo, Rep.	15 562 000	0	8 000	0	0	15 554 000
Bahrain	15 498 286	0	981 016	0	131 070	14 386 200
Brunei	15 144 600	0	0	0	0	15 144 600
Laos	14 719 538	150 000	155 259	49	841 454	13 572 776
Gabon	13 881 901	2 369 900	0	1	0	11 512 000
Morocco	12 578 076	87 740	132 049	239	12 318 498	39 550
Ghana	11 950 597	1 051 250	40 500	147	250 000	9 131 700
Belarus	11 415 800	0	0	0	9 601 800	1 814 000
Denmark	11 375 034	0	0	0	783 598	10 591 436
Israel	11 210 990	0	0	0	3 709 600	7 501 390
France	10 975 894	0	426 760	0	9 678 334	800 800
New Zealand	10 663 335	2 020 000	337 016	18	153 124	8 153 177
Hungary	9 939 832	0	0	0	59 258	9 879 274
Japan	8 322 026	0	3 617	9	5 406 600	2 911 800
Jamaica	8 303 193	0	0	0	58 565	0
Mauritania	7 952 900	7 678 500	28 791	9	80 000	165 600
Kosovo	7 591 417	7 120	9 600	0	0	7 574 697
Tunisia	7 104 860	152 100	0	0	3 213 600	3 739 160
Chad	6 374 400	0	0	0	0	6 374 400
Korea, South	6 155 274	309 000	12 265	9	4 058 008	1 775 992
Austria	5 869 967	955 131	0	0	2 779 176	2 135 660
Papua New Guinea	5 463 421	72 441	105 448	132	0	5 285 400
Macedonia	5 373 381	0	76 326	19	240 118	5 056 918

South Sudan	5 347 200	0	0	0	0	5 347 200
Sierra Leone	5 176 126	3 385 410	0	0	3 000	0
Jordan	4 508 190	0	0	0	4 426 290	81 900
Sudan	4 440 910	9 560	0	109	121 041	4 310 200
Cameroon	4 189 801	0	60 000	1	0	4 129 800
Syria	4 104 300	0	0	0	130 000	3 974 300
Cote d'Ivoire	3 722 355	239 030	0	25	0	3 483 300
Cuba	3 656 011	68 307	4 400	0	342 504	3 240 800
Slovenia	3 450 251	0	84 424	0	2 482	3 363 345
Slovakia	3 408 491	0	173 837	0	1 293 784	1 940 870
Zimbabwe	3 290 561	327 042	10 589	51	24 879	2 928 000
Ireland	2 883 701	0	147 700	1	200 000	2 536 000
Botswana	2 586 639	0	1 239	1	369 617	2 215 782
Montenegro	2 453 386	0	50 739	0	0	1 474 800
Afghanistan	2 436 779	2 000	0	0	118 579	2 316 200
Yemen	2 354 000	0	0	0	100 000	2 254 000
Finland	2 295 674	453 226	119 528	25	1 722 895	0
Congo, D.R.	2 229 323	84 069	1 117 366	35	3	1 027 850
Kyrgyzstan	2 197 273	0	9 430	43	146 000	2 041 800
Tajikistan	2 159 134	0	289 560	13	84 389	1 785 172
Croatia	2 110 855	0	0	0	166 940	1 931 700
Tanzania	1 916 448	0	15 868	54	262 261	1 638 253
Albania	1 630 440	320 000	0	0	95 500	1 214 940
Zambia	1 600 822	53 240	797 270	4	679 500	70 808
Solomon Islands	1 559 200	0	0	0	0	0
Senegal	1 474 511	280 320	0	8	1 167 623	26 560
Guyana	1 459 243	0	0	20	0	0
Liberia	1 160 506	1 160 500	0	6	0	0
Niger	1 147 059	0	0	1	0	1 147 058
Namibia	1 039 148	11 460	153 891	14	868 802	4 981
Suriname	811 626	0	0	26	0	811 600
Iceland	799 830	0	794 830	0	5 000	0
Switzerland	788 509	0	0	0	788 509	0
Guatemala	751 630	57 170	10 300	339	203 821	480 000
Portugal	749 557	669	141 196	40	607 652	0
Cyprus	743 994	0	1 293	0	742 701	0
Bhutan	512 048	21 100	0	0	329 421	161 527
Taiwan	501 650	0	0	0	284 250	217 400
Madagascar	489 183	369 790	140	3	119 250	0
Kenya	448 646	348 260	0	1	100 385	0
Georgia	412 003	90 000	14 700	3	0	307 300
Ethiopia	373 721	115	0	6	373 600	0
Moldova	358 500	0	0	0	358 500	0
Bahamas	349 710	0	0	0	349 710	0
Armenia	328 810	5 038	101 865	22	221 885	0
Latvia	278 260	0	0	0	278 260	0
Togo	266 280	0	0	20	266 260	0
Sri Lanka	257 864	31 620	0	0	226 244	0
New Caledonia	220 462	220 462	0	0	0	0
Swaziland	202 277	0	0	0	0	202 277
Dominican Republic	192 372	15 632	13 538	182	163 020	0
Lithuania	149 800	0	0	0	93 970	55 830
Christmas Island	147 890	0	0	0	147 890	0
Eritrea	132 502	0	103 300	2	29 200	0
Fiji	118 541	0	0	1	0	0
Nicaragua	116 762	0	0	22	116 740	0
El Salvador	100 000	0	0	0	100 000	0
Burkina Faso	91 576	0	91 530	46	0	0
Honduras	91 223	0	27 198	25	64 000	0
Uganda	60 957	1 455	66	0	59 436	0
Nauru	50 900	0	0	0	50 900	0
Malawi	49 930	3 000	0	0	1 700	45 230

Barbados	48 000	0	0	0	0	48 000
Cambodia	32 000	0	0	0	32 000	0
Panama	18 637	0	0	0	18 637	0
Nepal	17 333	0	0	0	7 096	10 237
Paraguay	10 500	0	0	0	10 500	0
Uruguay	8 121	1 010	0	1	7 110	0
Rwanda	5 022	1 560	3 460	2	0	0
Costa Rica	4 222	0	0	4	4 218	0
Lebanon	3 000	0	0	0	3 000	0
Malta	1 600	0	0	0	1 600	0
Belgium	1 220	0	1 220	0	0	0
Cape Verde	1 000	0	0	0	1 000	0
Mauritius	1 000	0	0	0	1 000	0
Benin	500	0	0	0	500	0
Burundi	343	188	154	1	0	0
Mali	53	0	0	53	0	0
French Guiana	1	0	0	1	0	0
Total	17 503 813 487	1 638 969 957	98 814 709	30 220	791 073 427	14 663 716 408

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	580 884	36 223	97 956	19 143	21 644	403 641
United States	404 445	3 284	12 241	10 587	8 096	370 225
Russia	371 482	8 989	12 732	14 728	8 363	326 469
Saudi Arabia	238 431	19	1 932	426	744	235 145
Australia	148 629	48 058	12 694	12 521	1 939	70 467
Canada	143 169	5 299	11 243	8 105	11 105	107 417
Iran	124 234	2 482	3 172	314	1 471	116 768
India	119 810	23 628	9 528	372	4 580	80 966
South Africa	110 277	71 983	2 017	12 420	619	23 239
Brazil	95 745	26 784	4 727	3 461	2 147	57 368
Iraq	89 065	0	0	0	33	89 032
United Arab Emirates	81 579	0	4 985	0	212	76 382
Indonesia	78 633	3 907	5 706	3 799	365	64 800
Kazakhstan	77 667	18 939	5 020	4 020	727	48 800
Mexico	65 845	1 198	7 105	8 312	1 378	47 852
Kuwait	55 303	0	0	0	32	55 270
Norway	51 472	231	2 467	0	13	48 761
Qatar	50 555	0	1 220	0	92	49 243
Venezuela	48 020	332	268	327	97	46 988
Nigeria	43 321	40	252	283	14	42 732
Chile	41 055	1 830	34 498	2 255	2 054	419
Algeria	36 795	19	1	6	101	36 668
Peru	34 500	946	20 430	8 563	513	4 049
Angola	32 922	0	0	0	10	32 912
Colombia	28 573	446	58	1 750	66	26 254
Oman	25 069	1 447	497	0	107	23 018
United Kingdom	24 240	27	100	0	770	23 344
Turkey	23 745	14 823	1 956	1 016	2 917	2 975
Malaysia	23 416	884	1 594	87	84	20 739
Egypt	19 540	14	549	685	340	17 951
Argentina	18 885	14	1 372	3 505	315	13 680
Azerbaijan	17 645	0	69	271	25	17 280
Libya	17 406	0	0	0	8	17 398
Congo, D.R.	13 943	5 258	6 998	1 278	0	408

Poland	12 954	7	2 837	731	565	8 814
Germany	12 205	5	1 132	0	5 082	5 986
Uzbekistan	12 108	15	683	4 069	124	7 216
Vietnam	11 752	482	294	23	263	10 606
Ghana	11 551	2 173	80	5 799	25	3 426
Turkmenistan	11 512	0	0	0	20	11 492
Ecuador	10 859	0	53	250	6	10 550
Ukraine	10 577	4 420	5	0	628	5 524
Thailand	9 435	9	11	0	369	9 045
Gabon	9 374	4 899	0	25	0	4 450
Mongolia	9 087	371	2 080	839	85	5 712
Bolivia	7 461	27	2 226	1 863	85	3 260
Philippines	7 423	4 106	424	935	184	1 774
Pakistan	7 419	349	125	0	467	6 475
Belarus	6 431	0	0	0	5 754	677
Sudan	6 109	52	0	4 338	8	1 711
Congo, Rep.	5 907	0	23	4	0	5 880
Netherlands	5 873	0	62	0	694	5 117
Zambia	5 438	305	4 919	177	31	6
Papua New Guinea	5 424	840	651	2 531	0	1 402
Equatorial Guinea	5 205	0	0	0	0	5 205
Trinidad and Tobago	5 094	0	0	0	0	5 094
Finland	4 941	3 814	523	447	156	0
Zimbabwe	4 814	2 666	77	1 774	10	287
Myanmar	4 802	595	1 908	65	16	2 217
Bahrain	4 419	0	1 931	0	6	2 483
Romania	4 026	12	610	30	247	3 127
Mozambique	3 730	377	1 137	97	89	2 031
Spain	3 702	14	2 183	112	1 201	192
Sweden	3 612	1 253	1 783	574	1	0
Guinea	3 535	0	0	1 893	0	0
Brunei	3 467	0	0	0	0	3 467
Bangladesh	3 410	0	0	0	166	3 244
Denmark	3 288	0	0	0	105	3 183
Albania	2 948	2 551	0	0	3	394
Italy	2 875	0	11	0	632	2 233
Israel	2 773	0	0	0	1 782	990
New Zealand	2 615	145	663	420	18	1 367
New Caledonia	2 558	2 558	0	0	0	0
Chad	2 531	0	0	0	0	2 531
Cote d'Ivoire	2 489	552	0	1 027	0	909
Bulgaria	2 372	1	790	379	425	776
Czech Republic	2 148	0	0	0	642	1 506
South Sudan	2 123	0	0	0	0	2 123
Korea, North	2 116	59	224	27	124	1 681
Burkina Faso	2 107	0	265	1 842	0	0
Tanzania	2 070	0	99	1 764	16	192
Cuba	2 057	955	12	0	26	1 064
Mali	2 007	0	0	2 007	0	0
Morocco	1 956	226	461	140	1 122	6
France	1 950	0	904	0	737	306
Estonia	1 881	0	0	0	0	1 881
Greece	1 878	220	419	46	242	888
Laos	1 802	11	970	265	249	308
Dominican Republic	1 739	163	71	1 504	2	0
Serbia	1 702	0	346	57	18	1 280
Cameroon	1 693	0	118	28	0	1 547
Madagascar	1 662	1 503	0	115	45	0
Iceland	1 565	0	1 564	0	1	0
Jordan	1 367	0	0	0	1 356	11
Suriname	1 367	0	0	1 045	0	322
Japan	1 351	0	194	259	379	518

Tunisia	1287	11	0	0	236	1 041
Tajikistan	1271	0	874	226	4	166
Mauritania	1165	553	178	368	1	66
Korea, South	1160	94	490	16	380	178
Namibia	1156	20	491	319	89	238
Kyrgyzstan	1071	0	63	873	8	127
Guatemala	1043	568	27	251	6	191
Armenia	924	92	609	198	26	0
Guyana	870	0	0	822	0	0
Bosnia-Herzegovina	836	60	292	0	152	309
Togo	831	0	0	807	24	0
Syria	821	0	0	0	10	810
Yemen	794	0	0	0	5	789
Austria	777	93	0	0	206	479
Ireland	754	0	417	1	2	335
Portugal	725	16	624	22	62	0
Senegal	648	185	0	294	162	7
Hungary	629	0	0	0	5	623
Niger	613	0	0	37	0	576
Slovakia	510	0	342	18	96	54
Croatia	456	0	0	0	3	452
Georgia	437	186	91	123	0	38
Sierra Leone	423	356	0	6	3	0
Macedonia	391	0	227	49	3	111
Eritrea	368	0	325	41	3	0
Liberia	340	84	0	257	0	0
Nicaragua	312	0	0	306	6	0
Kenya	302	234	0	20	48	0
Botswana	279	0	8	37	37	197
Jamaica	274	0	0	0	2	0
Kosovo	266	74	25	0	0	167
Slovenia	241	0	166	0	0	75
Rwanda	239	89	69	81	0	0
Afghanistan	236	16	0	0	9	212
Ethiopia	235	14	0	186	35	0
Honduras	200	0	75	119	6	0
Costa Rica	173	0	0	172	2	0
Montenegro	172	0	109	0	0	32
Sri Lanka	65	21	0	0	44	0
Fiji	62	0	0	58	0	0
French Guiana	53	0	0	53	0	0
Solomon Islands	51	0	0	0	0	0
Belgium	51	0	51	0	0	0
Burundi	49	8	3	39	0	0
Taiwan	48	0	0	0	18	30
Switzerland	48	0	0	0	48	0
Uruguay	43	0	0	43	1	0
Bahamas	35	0	0	0	35	0
Lithuania	26	0	0	0	4	22
Cyprus	20	0	8	0	12	0
Bhutan	19	2	0	0	3	14
Swaziland	18	0	0	0	0	18
Barbados	15	0	0	0	0	15
Uganda	14	2	1	0	10	0
Christmas Island	13	0	0	0	13	0
El Salvador	10	0	0	0	10	0
Central African Republic	5	0	0	5	0	0
Nauru	5	0	0	0	5	0
Malawi	4	0	0	0	0	4
Cambodia	3	0	0	0	3	0
Moldova	3	0	0	0	3	0
Nepal	2	0	0	0	2	1

Latvia	2	0	0	0	2	0
Panama	2	0	0	0	2	0
Benin	1	0	0	1	0	0
Paraguay	1	0	0	0	1	0
Total	3 654 843	315 615	301 817	161 582	97 039	2 768 521

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

6.2.1 Iron and Ferro-Alloy Metals

Commodity	2013	2014	2015	2016	2017	Change 13/17 in %
	in metr. t					
Iron	1 479 167 477	1 552 111 741	1 547 789 579	1 571 998 463	1 596 189 050	7.91
Chromium	13 228 415	12 997 974	13 221 120	12 903 760	14 586 575	10.27
Cobalt	133 201	133 191	141 516	127 764	135 525	1.74
Manganese	18 816 087	18 758 110	16 153 344	14 784 888	18 311 202	-2.68
Molybdenum	281 217	305 793	287 226	262 856	289 337	2.89
Nickel	2 606 641	2 173 630	2 105 371	1 976 553	2 170 374	-16.74
Niobium	83 002	95 956	91 241	80 419	81 722	-1.54
Tantalum	1 316	1 447	1 602	1 644	1 768	34.35
Titanium	7 193 297	7 107 045	6 512 800	6 666 160	7 027 450	-2.31
Tungsten	84 885	83 145	87 989	85 335	86 299	1.67
Vanadium	82 598	83 539	82 461	85 729	90 655	9.75

6.2.2 Non-Ferrous Metals

Commodity	2013	2014	2015	2016	2017	Change 13/17 in %
	in metr. t					
Aluminium	52 146 602	54 085 272	57 923 190	58 648 960	60 536 776	16.09
Antimony	163 178	162 466	149 878	155 215	130 751	-19.87
Arsenic	38 743	36 550	37 260	35 665	35 544	-8.26
Bauxite	302 172 132	261 837 066	294 377 135	287 951 247	311 208 766	2.99
Beryllium	6 692	7 611	6 238	5 601	5 252	-21.52
Bismuth	9 488	11 851	11 549	10 345	10 521	10.89
Cadmium	22 455	24 065	23 326	26 219	26 391	17.53
Copper	18 271 418	18 560 557	19 363 032	20 464 363	19 939 825	9.13
Gallium	195	303	285	194	310	58.97
Germanium	117	124	139	122	98	-16.24
Indium	824	874	852	758	790	-4.13
Lead	5 314 029	5 358 052	5 016 705	4 722 814	5 059 133	-4.80
Lithium	59 583	62 950	65 377	82 478	107 322	80.12
Mercury	2 211	2 861	3 395	4 094	2 436	10.18
Rare Earths	100 845	109 549	124 096	126 015	127 097	26.03
Rhenium	37	37	45	45	45	21.62
Selenium	3 616	3 251	3 185	3 357	3 326	-8.02
Tellurium	325	353	446	463	659	102.77
Tin	299 262	308 551	323 979	297 343	300 947	0.56
Zinc	13 552 929	13 553 978	13 365 071	12 472 250	12 527 486	-7.57

6.2.3 Precious Metals

Commodity	2013	2014	2015	2016	2017	Change 13/17 in %
	in kg					
Gold	2 904 199	3 015 144	3 108 164	3 246 843	3 339 552	14.99
Palladium	196 501	185 555	204 995	210 579	207 607	5.65
Platinum	187 605	143 121	188 229	186 542	182 113	-2.93
Rhodium	22 333	17 218	22 964	23 956	22 840	2.27
Silver	26 216 127	27 254 259	27 864 748	27 703 210	26 469 445	0.97

6.2.4 Industrial Minerals

Commodity	2013	2014	2015	2016	2017	Change 13/17 in %
	in metr. t (Diamonds in carats)					
Asbestos	1 765 875	1 657 395	1 309 672	1 287 075	1 157 070	-34.48
Baryte	9 975 343	9 567 001	9 716 182	8 727 249	8 080 067	-19.00
Bentonite	16 054 077	16 829 506	18 278 902	18 223 156	18 713 230	16.56
Boron	4 692 790	4 547 529	4 824 430	4 158 757	4 311 232	-8.13
Diam. (Gem)	75 201 679	75 739 376	76 418 776	77 028 642	92 018 587	22.36
Diam. (Ind)	56 090 912	50 613 250	51 399 578	50 301 242	59 771 307	6.56
Diatomite	2 162 423	2 321 356	1 999 246	1 795 247	2 040 800	-5.62
Feldspar	35 308 106	31 617 993	32 759 894	36 068 679	34 968 336	-0.96
Fluorspar	6 809 591	6 273 575	6 298 161	5 574 217	5 983 325	-12.13
Graphite	1 126 488	1 105 611	1 129 378	1 130 001	943 135	-16.28
Gypsum	157 532 158	147 395 084	140 800 782	152 146 656	151 254 454	-3.99
Kaolin	39 035 628	38 483 680	38 715 984	39 665 308	40 564 935	3.92
Magnesite	27 476 662	28 576 668	28 341 028	26 848 317	25 468 776	-7.31
Perlite	2 749 515	2 688 467	2 537 031	2 756 024	2 279 891	-17.08
Phosphates	74 517 966	74 877 617	82 823 507	83 643 976	84 529 965	13.44
Potash	34 745 385	39 446 053	40 765 245	39 689 214	42 860 744	23.36
Salt	290 367 511	297 085 048	293 156 608	278 737 205	284 428 827	-2.05
Sulfur	67 793 957	70 881 376	72 093 395	72 406 127	73 646 225	8.63
Talc	8 288 829	9 066 728	7 627 961	7 653 595	7 997 944	-3.51
Vermiculite	417 482	424 551	424 124	436 982	424 228	1.62
Zircon	1 074 959	1 591 586	1 524 289	1 446 988	1 420 214	32.12

6.2.5 Mineral Fuels

Commodity	2013	2014	2015	2016	2017	Change 13/17 in %
	in metr. t (Nat. Gas in Mio m ³)					
Steam Coal	5 895 350 486	5 823 515 359	5 669 865 899	5 252 307 080	5 444 017 090	-7.66
Coking Coal	1 084 780 600	1 118 849 146	1 089 844 710	1 041 453 657	1 039 406 090	-4.18
Hard Coal (Tot)	6 980 131 086	6 942 364 505	6 759 710 609	6 293 760 737	6 483 423 180	-7.12
Lignite	856 633 855	818 877 727	821 961 221	818 488 535	828 886 820	-3.24
Coal (Tot)	7 836 764 941	7 761 242 232	7 581 671 830	7 112 249 272	7 312 310 000	-6.69
Petroleum	4 057 262 317	4 139 748 455	4 283 869 459	4 301 940 302	4 307 007 309	6.16
Nat. Gas	3 491 899	3 557 139	3 615 428	3 639 163	3 777 215	8.17
Oil Sands*	126 441 400	137 647 300	147 877 700	149 401 300	157 970 300	24.94
Oil Shales	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073	5.53
Uranium	70 636	67 829	72 341	74 807	69 026	-2.28

*Oil Sands as part of Petroleum

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)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	458 960 342	542 318 940	579 184 582	607 546 733	626 444 518
Developing C.	878 483 358	867 516 626	843 106 397	840 672 160	846 834 682
Least Developed C.	17 832 219	22 595 725	11 958 030	13 372 270	12 209 420
Transition C.	123 891 558	119 680 450	113 540 570	110 407 300	110 700 430
Total	1 479 167 477	1 552 111 741	1 547 789 579	1 571 998 463	1 596 189 050
Annual per capita income:					
High Income	529 572 950	618 428 930	588 853 031	617 077 656	636 476 385
Upper Middle Income	764 884 788	779 953 476	796 310 368	772 868 507	774 859 035
Lower Middle Income	175 103 660	139 528 150	157 801 950	176 791 230	179 863 810
Low Income	9 606 079	14 201 185	4 824 230	5 261 070	4 989 820
Total	1 479 167 477	1 552 111 741	1 547 789 579	1 571 998 463	1 596 189 050
Political stability:					
Stable	4 755 613	2 662 046	30 046 460	30 533 160	2 020 000
Fair	477 080 807	578 202 064	565 276 001	603 570 036	659 055 475
Unstable	996 281 587	926 784 541	904 007 028	892 939 447	889 859 945
Extreme Unstable	1 049 470	44 463 090	48 460 090	44 955 820	45 253 630
Total	1 479 167 477	1 552 111 741	1 547 789 579	1 571 998 463	1 596 189 050
Country groups and economic blocks:					
ACP	64 570 539	74 717 885	59 135 810	56 487 960	60 697 300
ASEAN	22 872 570	11 951 200	4 956 620	5 419 070	6 333 615
BRICS	846 857 500	840 496 770	829 386 700	835 612 827	838 275 440
CPE	397 501 450	412 719 880	377 147 940	351 682 080	339 914 430
EC	18 265 763	18 882 476	16 849 285	18 179 223	18 437 256
EFTA	2 181 300	2 466 600	2 252 200	1 425 000	992 700
G7	119 867 300	61 745 300	57 309 000	54 914 100	56 772 600
MERCOSUR	253 254 768	252 312 390	261 493 580	273 361 937	278 339 410
NAFTA	70 226 140	71 655 150	65 314 260	62 093 410	63 725 020
OECD	484 989 412	569 390 490	601 410 971	628 429 926	649 303 095
SADC	47 198 370	52 795 200	47 326 280	43 204 270	48 661 980

Chromium (Cr₂O₃ - Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	528 200	451 819	457 100	469 140	416 285
Developing C.	10 240 175	9 784 765	10 178 730	9 861 670	11 315 630
Least Developed C.	74 740	92 390	82 390	56 650	109 560
Transition C.	2 385 300	2 669 000	2 502 900	2 516 300	2 745 100
Total	13 228 415	12 997 974	13 221 120	12 903 760	14 586 575
Annual per capita income:					
High Income	992 400	966 499	636 780	701 960	597 375
Upper Middle Income	10 566 671	10 661 575	10 980 740	10 227 230	11 883 550
Lower Middle Income	1 449 610	1 123 160	1 434 730	1 791 550	1 691 670
Low Income	219 734	246 740	168 870	183 020	413 980
Total	13 228 415	12 997 974	13 221 120	12 903 760	14 586 575
Political stability:					
Stable	434 000	441 300	0	0	0
Fair	649 900	2 771 399	934 380	3 020 960	3 122 875
Unstable	12 072 615	9 719 405	10 771 940	8 770 890	9 634 140
Extreme Unstable	71 900	65 870	1 514 800	1 111 910	1 829 560
Total	13 228 415	12 997 974	13 221 120	12 903 760	14 586 575
Country groups and economic blocks:					
ACP	6 305 004	6 300 750	6 892 640	6 472 870	7 505 710
ASEAN	14 910	20 420	6 200	10 300	8 340
BRICS	7 734 571	7 446 322	8 419 160	8 404 370	9 086 500
CPE	60 200	22 600	31 100	24 200	26 400
EC	434 000	441 300	457 100	469 140	416 285
EFTA	0	0	0	0	0
G7	147 200	0	0	0	0
MERCOSUR	189 521	244 622	179 100	200 000	200 000
NAFTA	0	0	0	0	0
OECD	2 394 100	2 258 419	1 921 430	1 539 170	2 196 185
SADC	6 183 264	6 222 140	6 826 870	6 435 620	7 451 280

Cobalt

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	16 084	15 050	15 713	15 281	14 477
Developing C.	29 977	31 581	32 404	31 423	30 303
Least Developed C.	84 772	84 258	91 299	77 968	88 668
Transition C.	2 368	2 302	2 100	3 092	2 077
Total	133 201	133 191	141 516	127 764	135 525

Annual per capita income:

High Income	21 532	21 392	19 673	21 001	19 557
Upper Middle Income	17 361	19 012	21 435	20 134	17 574
Lower Middle Income	14 875	12 733	11 733	13 528	12 521
Low Income	79 433	80 054	88 675	73 101	85 873
Total	133 201	133 191	141 516	127 764	135 525

Political stability:

Stable	2 061	2 104	6 904	7 148	0
Fair	23 929	21 704	17 174	19 338	23 124
Unstable	30 618	32 908	33 038	28 740	29 940
Extreme Unstable	76 593	76 475	84 400	72 538	82 461
Total	133 201	133 191	141 516	127 764	135 525

Country groups and economic blocks:

ACP	91 646	92 278	100 630	87 460	98 889
ASEAN	6 826	4 646	4 527	3 984	4 050
BRICS	15 481	17 118	16 326	14 339	12 167
CPE	12 580	13 842	15 163	14 941	14 407
EC	2 061	2 104	2 119	2 260	2 300
EFTA	0	0	0	0	0
G7	9 536	6 694	7 664	7 838	7 143
MERCOSUR	3 239	3 865	2 771	853	28
NAFTA	7 168	6 694	7 664	7 838	7 143
OECD	16 084	15 050	15 713	15 281	14 477
SADC	84 112	86 144	93 332	79 759	90 175

Manganese

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	3 015 088	3 498 790	3 283 300	2 406 940	2 780 794
Developing C.	14 474 479	13 939 824	11 877 284	11 366 328	14 304 408
Least Developed C.	180 890	128 920	48 560	147 420	190 600
Transition C.	1 145 630	1 190 576	944 200	864 200	1 035 400
Total	18 816 087	18 758 110	16 153 344	14 784 888	18 311 202

Annual per capita income:

High Income	2 993 528	3 477 460	3 269 580	2 397 000	2 777 960
Upper Middle Income	13 259 429	12 974 090	10 864 824	9 975 338	12 330 062
Lower Middle Income	2 405 530	2 306 560	2 015 940	2 412 550	3 203 180
Low Income	157 600	0	3 000	0	0
Total	18 816 087	18 758 110	16 153 344	14 784 888	18 311 202

Political stability:

Stable	0	0	0	0	0
Fair	6 355 768	6 362 280	5 572 700	3 131 790	4 558 814
Unstable	12 439 645	11 809 960	9 978 474	11 115 948	13 057 038
Extreme Unstable	20 674	585 870	602 170	537 150	695 350
Total	18 816 087	18 758 110	16 153 344	14 784 888	18 311 202

Country groups and economic blocks:

ACP	7 669 320	7 914 310	6 760 230	6 552 110	9 056 750
ASEAN	758 134	558 390	356 660	512 730	536 100
BRICS	10 622 690	10 525 610	8 626 028	8 177 829	9 898 900
CPE	3 781 600	3 360 000	2 534 000	2 179 000	2 536 650
EC	39 410	44 360	33 000	18 440	6 234
EFTA	0	0	0	0	0
G7	5 000	0	0	0	0
MERCOSUR	1 180 000	1 094 000	1 226 458	1 198 709	1 200 000
NAFTA	211 559	235 686	217 466	205 645	211 510
OECD	3 265 407	3 756 266	3 513 596	2 615 385	3 013 370
SADC	4 900 900	5 395 400	4 201 710	4 060 650	5 383 320

Molybdenum

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	68 964	77 588	49 906	38 584	49 985
Developing C.	202 435	218 845	227 935	212 581	230 773
Least Developed C.	0	0	0	0	0
Transition C.	9 818	9 360	9 385	11 691	8 579
Total	281 217	305 793	287 226	262 856	289 337
Annual per capita income:					
High Income	111 737	130 916	102 743	94 231	113 382
Upper Middle Income	161 178	168 381	175 855	159 362	172 275
Lower Middle Income	8 032	6 246	8 258	8 823	3 340
Low Income	270	250	370	440	340
Total	281 217	305 793	287 226	262 856	289 337
Political stability:					
Stable	8	0	2 505	2 783	0
Fair	117 581	129 801	103 664	96 300	116 057
Unstable	163 628	175 992	179 722	163 773	172 380
Extreme Unstable	0	0	1 335	0	900
Total	281 217	305 793	287 226	262 856	289 337

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	128 075	134 614	138 404	115 949	119 896
CPE	126 559	133 749	138 077	115 462	120 070
EC	0	0	0	0	0
EFTA	8	2	1	1	0
G7	72 561	77 558	49 905	38 583	49 985
MERCOSUR	1 915	954	869	479	651
NAFTA	81 518	91 928	61 232	50 479	63 970
OECD	121 314	141 218	115 405	106 127	127 616
SADC	0	0	0	0	0

Nickel

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	567 346	549 791	525 737	505 953	468 760
Developing C.	1 711 524	1 289 723	1 233 049	1 171 866	1 407 721
Least Developed C.	33 008	58 046	71 475	67 024	63 373
Transition C.	294 763	276 070	275 110	231 710	230 520
Total	2 606 641	2 173 630	2 105 371	1 976 553	2 170 374
Annual per capita income:					
High Income	995 752	992 564	718 936	710 160	684 142
Upper Middle Income	388 164	355 216	623 158	566 133	628 281
Lower Middle Income	1 176 755	772 171	702 093	640 493	807 211
Low Income	45 970	53 679	61 184	59 767	50 740
Total	2 606 641	2 173 630	2 105 371	1 976 553	2 170 374
Political stability:					
Stable	18 860	19 281	234 519	235 034	0
Fair	616 885	579 478	353 014	332 352	514 202
Unstable	1 921 576	1 574 871	1 509 198	1 050 950	1 641 402
Extreme Unstable	49 320	0	8 640	358 217	14 770
Total	2 606 641	2 173 630	2 105 371	1 976 553	2 170 374
Country groups and economic blocks:					
ACP	187 650	194 681	210 244	205 786	204 919
ASEAN	1 154 516	686 763	631 361	577 049	758 231
BRICS	487 608	504 556	499 891	440 510	451 873
CPE	149 166	156 954	151 507	142 162	143 390
EC	46 684	50 153	38 491	43 454	56 451
EFTA	300	290	300	230	190
G7	491 743	233 167	261 719	259 134	233 266
MERCOSUR	83 200	89 199	93 009	78 626	87 600
NAFTA	227 743	233 167	261 719	259 134	233 266
OECD	568 426	552 821	534 377	515 293	483 530
SADC	87 018	123 593	134 662	125 639	99 123

Niobium (Nb₂O₅-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	4 916	5 774	5 385	6 099	6 981
Developing C.	76 944	88 821	84 248	72 658	73 060
Least Developed C.	631	780	980	1 034	1 033
Transition C.	511	581	628	628	648
Total	83 002	95 956	91 241	80 419	81 722
Annual per capita income:					
High Income	5 427	6 355	5 385	6 099	6 981
Upper Middle Income	76 914	88 791	84 847	73 260	73 678
Lower Middle Income	30	30	29	26	30
Low Income	631	780	980	1 034	1 033
Total	83 002	95 956	91 241	80 419	81 722
Political stability:					
Stable	0	0	5 385	6 099	0
Fair	4 916	5 774	248	0	7 241
Unstable	77 801	89 751	84 852	73 461	73 691
Extreme Unstable	285	431	756	859	790
Total	83 002	95 956	91 241	80 419	81 722
Country groups and economic blocks:					
ACP	661	810	1 009	1 060	1 063
ASEAN	0	0	0	0	0
BRICS	77 425	89 372	84 847	73 260	73 678
CPE	15	20	30	30	30
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	5 427	5 774	5 385	6 099	6 981
MERCOSUR	76 899	88 771	84 189	72 602	73 000
NAFTA	4 916	5 774	5 385	6 099	6 981
OECD	4 916	5 774	5 385	6 099	6 981
SADC	236	385	699	804	727

Tantalum (Ta₂O₅-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	40	0	20	10	100
Developing C.	353	301	312	297	294
Least Developed C.	891	1 106	1 238	1 288	1 329
Transition C.	32	40	32	49	45
Total	1 316	1 447	1 602	1 644	1 768

Annual per capita income:

High Income	72	40	20	10	100
Upper Middle Income	264	219	271	280	261
Lower Middle Income	89	82	73	66	78
Low Income	891	1 106	1 238	1 288	1 329
Total	1 316	1 447	1 602	1 644	1 768

Political stability:

Stable	0	0	0	0	0
Fair	59	26	409	18	501
Unstable	893	857	291	603	315
Extreme Un stable	364	564	902	1 023	952
Total	1 316	1 447	1 602	1 644	1 768

Country groups and economic blocks:

ACP	966	1 181	1 310	1 354	1 404
ASEAN	19	26	9	8	6
BRICS	277	233	262	272	255
CPE	60	75	110	120	110
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	72	0	0	0	0
MERCOSUR	185	118	120	103	100
NAFTA	40	0	0	0	0
OECD	40	0	20	10	100
SADC	279	449	764	886	818

Titanium (TiO₂-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	2 458 100	2 290 010	2 035 640	2 085 000	2 047 200
Developing C.	3 348 610	3 449 595	3 091 070	3 104 890	3 221 250
Least Developed C.	837 887	867 490	908 990	1 050 990	1 259 200
Transition C.	548 700	499 950	477 100	425 280	499 800
Total	7 193 297	7 107 045	6 512 800	6 666 160	7 027 450

Annual per capita income:

High Income	2 660 050	2 511 300	2 147 890	2 176 800	2 169 870
Upper Middle Income	2 280 940	2 399 295	2 310 780	2 291 560	2 473 300
Lower Middle Income	1 411 230	1 384 910	1 145 140	1 146 810	1 125 080
Low Income	841 077	811 540	908 990	1 050 990	1 259 200
Total	7 193 297	7 107 045	6 512 800	6 666 160	7 027 450

Political stability:

Stable	363 500	0	595 000	700 000	0
Fair	2 768 880	2 449 900	1 703 490	1 659 010	2 549 650
Unstable	4 060 917	4 007 085	3 834 080	3 623 120	4 040 630
Extreme Unstable	0	650 060	380 230	684 030	437 170
Total	7 193 297	7 107 045	6 512 800	6 666 160	7 027 450

Country groups and economic blocks:

ACP	1 971 077	2 321 400	2 278 740	2 340 470	2 674 760
ASEAN	547 930	297 560	127 190	115 610	124 300
BRICS	2 680 470	2 817 545	2 554 280	2 552 280	2 564 100
CPE	1 553 420	1 408 860	1 190 800	1 305 620	1 359 000
EC	0	0	0	0	0
EFTA	363 500	380 010	277 340	260 000	238 200
G7	1 062 600	913 000	705 000	755 000	816 000
MERCOSUR	44 970	46 445	45 330	46 000	48 000
NAFTA	987 000	913 000	705 000	755 000	816 000
OECD	2 589 200	2 427 250	2 152 640	2 181 550	2 176 240
SADC	1 529 900	1 877 500	1 578 300	1 606 300	1 858 400

Tungsten (W-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	4 741	4 936	4 488	3 042	3 299
Developing C.	75 299	73 976	79 257	78 154	79 232
Least Developed C.	1 674	1 491	1 412	1 387	1 571
Transition C.	3 171	2 742	2 832	2 752	2 197
Total	84 885	83 145	87 989	85 335	86 299

Annual per capita income:

High Income	7 714	7 607	4 496	3 056	3 299
Upper Middle Income	72 052	69 133	75 418	73 857	74 337
Lower Middle Income	3 360	4 944	6 841	7 155	7 112
Low Income	1 759	1 461	1 234	1 267	1 551
Total	84 885	83 145	87 989	85 335	86 299

Political stability:

Stable	850	819	1 815	0	0
Fair	5 800	4 894	8 681	8 852	9 868
Unstable	78 007	77 419	77 427	76 327	76 157
Extreme Unstable	228	13	66	156	274
Total	84 885	83 145	87 989	85 335	86 299

Country groups and economic blocks:

ACP	1 474	1 391	1 162	1 217	1 241
ASEAN	1 990	3 700	4 344	5 240	5 514
BRICS	74 867	70 869	75 274	73 672	74 294
CPE	73 394	72 045	77 212	76 446	77 774
EC	2 029	2 312	2 325	2 934	3 294
EFTA	0	0	0	0	0
G7	5 365	2 147	1 970	732	1 086
MERCOSUR	494	510	432	400	400
NAFTA	2 392	2 147	1 815	0	0
OECD	4 741	4 948	4 496	3 056	3 299
SADC	59	13	55	79	130

Vanadium (V₂O₅-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	998	0	0	0	0
Developing C.	66 197	67 414	65 265	68 843	72 019
Least Developed C.	0	0	0	0	0
Transition C.	15 403	16 125	17 196	16 886	18 636
Total	82 598	83 539	82 461	85 729	90 655
Annual per capita income:					
High Income	15 401	15 125	0	0	0
Upper Middle Income	67 197	68 414	82 461	85 729	90 655
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	82 598	83 539	82 461	85 729	90 655
Political stability:					
Stable	0	0	0	0	0
Fair	998	1 000	0	0	0
Unstable	81 600	82 539	82 461	85 729	90 655
Extreme Unstable	0	0	0	0	0
Total	82 598	83 539	82 461	85 729	90 655
Country groups and economic blocks:					
ACP	21 397	21 582	17 455	15 877	14 222
ASEAN	0	0	0	0	0
BRICS	80 600	82 539	81 461	85 729	90 655
CPE	44 800	44 800	42 000	45 000	48 500
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	14 994	0	0	0	0
MERCOSUR	0	1 032	5 810	7 966	9 297
NAFTA	591	0	0	0	0
OECD	998	0	0	0	0
SADC	21 397	21 582	17 455	15 877	14 222

6.3.2 Non-Ferrous Metals

Aluminium

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	10 962 274	10 523 965	10 659 081	10 252 883	10 085 729
Developing C.	36 170 826	38 952 911	42 604 544	43 716 722	45 738 958
Least Developed C.	564 000	566 880	558 390	571 125	577 495
Transition C.	4 449 502	4 041 516	4 101 175	4 108 230	4 134 594
Total	52 146 602	54 085 272	57 923 190	58 648 960	60 536 776
Annual per capita income:					
High Income	18 340 817	19 194 587	15 571 554	15 292 191	15 380 691
Upper Middle Income	30 662 614	31 475 967	38 605 225	39 101 322	40 476 556
Lower Middle Income	2 362 802	2 847 838	3 188 021	3 684 322	3 999 034
Low Income	780 369	566 880	558 390	571 125	680 495
Total	52 146 602	54 085 272	57 923 190	58 648 960	60 536 776
Political stability:					
Stable	2 255 350	328 269	3 984 334	4 303 614	1 131 846
Fair	12 157 194	14 427 042	10 790 218	10 131 610	13 700 014
Unstable	36 494 058	39 025 761	42 764 738	43 849 136	45 343 816
Extreme Unstable	1 240 000	304 200	383 900	364 600	361 100
Total	52 146 602	54 085 272	57 923 190	58 648 960	60 536 776
Country groups and economic blocks:					
ACP	1 499 600	1 442 980	1 352 190	1 370 435	1 393 995
ASEAN	546 602	704 474	697 149	865 483	978 816
BRICS	34 051 600	35 538 503	38 869 149	39 726 729	41 830 898
CPE	26 534 000	28 316 700	31 518 000	31 775 400	33 329 580
EC	2 009 313	1 984 790	2 214 479	2 249 935	2 260 320
EFTA	1 930 515	1 937 510	1 996 792	2 003 170	2 047 830
G7	9 524 570	5 521 105	5 470 955	5 044 758	4 977 738
MERCOSUR	1 915 676	1 542 293	1 319 917	1 362 485	1 365 938
NAFTA	4 917 202	4 567 905	4 466 555	4 027 318	3 953 008
OECD	10 754 317	10 291 267	10 433 625	10 030 376	9 885 655
SADC	1 386 000	1 311 880	1 253 390	1 272 125	1 293 495

Antimony

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	3 452	3 832	4 214	4 285	3 130
Developing C.	136 095	134 604	118 439	112 645	88 581
Least Developed C.	8 004	3 980	4 166	2 242	4 820
Transition C.	15 627	20 050	23 059	36 043	34 220
Total	163 178	162 466	149 878	155 215	130 751
Annual per capita income:					
High Income	9 972	10 232	4 214	4 285	3 130
Upper Middle Income	130 104	127 948	122 647	116 893	91 910
Lower Middle Income	8 595	24 286	23 017	34 037	9 341
Low Income	14 507	0	0	0	26 370
Total	163 178	162 466	149 878	155 215	130 751
Political stability:					
Stable	0	0	1	0	0
Fair	5 246	5 452	5 599	5 330	4 045
Unstable	157 355	156 035	142 214	147 114	121 851
Extreme Unstable	577	979	2 064	2 771	4 855
Total	163 178	162 466	149 878	155 215	130 751
Country groups and economic blocks:					
ACP	2 405	815	302	350	350
ASEAN	9 482	5 784	4 386	2 504	5 065
BRICS	129 862	128 615	119 122	110 590	85 600
CPE	121 927	122 498	111 620	103 850	79 375
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	6 697	4	1	0	0
MERCOSUR	0	0	0	0	0
NAFTA	471	270	91	166	240
OECD	7 926	7 168	6 254	7 201	8 210
SADC	2 405	815	302	350	350

Arsenic

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	1 045	1 045	1 045	1 045	1 045
Developing C.	36 198	34 005	34 715	33 120	32 999
Least Developed C.	0	0	0	0	0
Transition C.	1 500	1 500	1 500	1 500	1 500
Total	38 743	36 550	37 260	35 665	35 544

Annual per capita income:

High Income	2 545	2 545	1 045	1 045	1 045
Upper Middle Income	27 110	27 090	28 610	28 460	27 600
Lower Middle Income	9 088	6 915	7 605	6 160	6 899
Low Income	0	0	0	0	0
Total	38 743	36 550	37 260	35 665	35 544

Political stability:

Stable	0	0	0	0	0
Fair	3 045	3 025	3 045	3 005	1 745
Unstable	35 698	33 525	34 215	32 660	33 799
Extreme Un stable	0	0	0	0	0
Total	38 743	36 550	37 260	35 665	35 544

Country groups and economic blocks:

ACP	2 000	1 980	2 000	1 960	700
ASEAN	0	0	0	0	0
BRICS	26 500	26 500	26 500	26 500	26 500
CPE	25 000	25 000	25 000	25 000	25 000
EC	1 000	1 000	1 000	1 000	1 000
EFTA	0	0	0	0	0
G7	1 545	45	45	45	45
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	1 045	1 045	1 045	1 045	1 045
SADC	2 000	1 980	2 000	1 960	700

Bauxite (crude ore)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	83 287 795	80 731 652	83 314 818	85 734 238	91 783 354
Developing C.	186 289 064	148 397 581	177 571 304	157 192 963	153 729 381
Least Developed C.	21 050 204	21 360 772	22 309 635	32 721 878	53 081 700
Transition C.	11 545 069	11 347 061	11 181 378	12 302 168	12 614 331
Total	302 172 132	261 837 066	294 377 135	287 951 247	311 208 766

Annual per capita income:

High Income	90 806 455	91 209 812	86 336 818	90 492 458	96 789 354
Upper Middle Income	107 925 001	120 750 704	154 659 232	136 689 902	133 174 276
Lower Middle Income	82 390 472	28 515 818	31 349 850	28 281 509	29 722 636
Low Income	21 050 204	21 360 732	22 031 235	32 487 378	51 522 500
Total	302 172 132	261 837 066	294 377 135	287 951 247	311 208 766

Political stability:

Stable	0	0	0	0	0
Fair	96 111 240	101 836 932	124 538 843	106 431 196	112 212 235
Unstable	206 034 496	159 968 978	168 763 603	180 473 871	197 202 012
Extreme Unstable	26 396	31 156	1 074 689	1 046 180	1 794 519
Total	302 172 132	261 837 066	294 377 135	287 951 247	311 208 766

Country groups and economic blocks:

ACP	37 128 849	38 352 770	38 241 123	43 950 143	64 381 091
ASEAN	57 725 688	7 306 150	29 808 367	8 800 822	5 128 380
BRICS	112 188 628	124 070 071	131 629 389	136 242 387	135 552 181
CPE	50 821 380	60 302 400	62 224 100	67 763 800	71 582 000
EC	2 045 920	1 967 356	1 921 857	1 944 190	2 010 665
EFTA	0	0	0	0	0
G7	5 856 700	204 400	553 700	342 900	422 100
MERCOSUR	36 237 255	38 654 160	38 048 810	39 584 200	38 364 500
NAFTA	122 700	133 300	483 700	368 900	352 100
OECD	84 075 137	81 813 948	84 352 921	86 809 614	93 490 283
SADC	46 167	29 027	5 189	1 524	3 194

Beryllium (concentrates)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	5 910	6 900	5 100	3 870	3 700
Developing C.	590	569	656	1 375	1 325
Least Developed C.	192	142	482	356	227
Transition C.	0	0	0	0	0
Total	6 692	7 611	6 238	5 601	5 252
Annual per capita income:					
High Income	5 910	6 900	5 100	3 870	3 700
Upper Middle Income	500	517	600	1 375	1 325
Lower Middle Income	94	56	63	5	4
Low Income	188	138	475	351	223
Total	6 692	7 611	6 238	5 601	5 252
Political stability:					
Stable	0	0	0	0	0
Fair	5 914	6 904	5 130	3 875	3 734
Unstable	688	655	1 052	1 726	1 518
Extreme Unstable	90	52	56	0	0
Total	6 692	7 611	6 238	5 601	5 252

Country groups and economic blocks:

ACP	282	194	538	356	227
ASEAN	0	0	0	0	0
BRICS	500	517	600	1 375	1 325
CPE	500	500	500	1 250	1 250
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	5 910	6 900	5 100	3 870	3 700
MERCOSUR	0	17	100	125	75
NAFTA	5 910	6 900	5 100	3 870	3 700
OECD	5 910	6 900	5 100	3 870	3 700
SADC	107	142	459	326	197

Bismuth

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	520	586	634	431	527
Developing C.	8 922	11 221	10 871	9 883	9 963
Least Developed C.	0	0	0	0	0
Transition C.	46	44	44	31	31
Total	9 488	11 851	11 549	10 345	10 521

Annual per capita income:

High Income	560	626	634	431	527
Upper Middle Income	8 912	8 886	7 891	7 857	7 467
Lower Middle Income	16	2 339	3 024	2 057	2 527
Low Income	0	0	0	0	0
Total	9 488	11 851	11 549	10 345	10 521

Political stability:

Stable	0	0	2	3	0
Fair	524	586	3 632	2 441	2 977
Unstable	8 964	11 265	7 915	7 901	7 544
Extreme Unstable	0	0	0	0	0
Total	9 488	11 851	11 549	10 345	10 521

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	2 324	3 000	2 013	2 450
BRICS	7 540	7 790	7 290	7 130	6 830
CPE	7 500	10 074	10 250	9 113	9 250
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	560	586	634	431	527
MERCOSUR	0	0	0	0	0
NAFTA	859	952	603	542	515
OECD	1 344	1 534	1 235	970	1 040
SADC	0	0	0	0	0

Cadmium

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	5 910	6 066	5 645	6 862	6 573
Developing C.	14 285	15 263	14 329	15 285	15 622
Least Developed C.	0	0	0	0	0
Transition C.	2 260	2 736	3 352	4 072	4 196
Total	22 455	24 065	23 326	26 219	26 391
Annual per capita income:					
High Income	10 303	11 099	8 921	11 095	11 296
Upper Middle Income	11 683	12 594	13 498	14 599	14 542
Lower Middle Income	269	172	707	325	353
Low Income	200	200	200	200	200
Total	22 455	24 065	23 326	26 219	26 391
Political stability:					
Stable	310	0	1 159	2 305	0
Fair	9 656	12 114	8 213	11 925	14 319
Unstable	12 489	11 951	13 954	11 989	12 072
Extreme Unstable	0	0	0	0	0
Total	22 455	24 065	23 326	26 219	26 391
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	8 824	9 470	9 548	9 435	9 627
CPE	7 696	8 401	8 362	8 300	8 400
EC	1 861	2 180	1 717	1 834	1 813
EFTA	310	320	310	335	416
G7	5 069	4 136	3 988	5 345	5 074
MERCOSUR	311	315	307	291	276
NAFTA	3 364	3 146	2 942	3 949	3 344
OECD	10 854	11 393	10 204	12 339	12 342
SADC	0	0	0	0	0

Copper

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	3 788 104	3 861 302	3 968 674	3 993 001	3 690 773
Developing C.	11 246 620	11 259 004	11 890 166	12 918 647	12 557 596
Least Developed C.	1 928 500	2 069 663	2 111 475	2 112 364	2 164 659
Transition C.	1 308 194	1 370 588	1 392 717	1 440 351	1 526 797
Total	18 271 418	18 560 557	19 363 032	20 464 363	19 939 825

Annual per capita income:

High Income	10 114 444	10 314 948	9 641 454	9 453 298	9 169 003
Upper Middle Income	5 070 042	5 351 846	6 270 121	7 277 216	7 235 353
Lower Middle Income	2 100 037	1 735 673	2 310 832	2 638 361	2 387 232
Low Income	986 895	1 158 090	1 140 625	1 095 488	1 148 237
Total	18 271 418	18 560 557	19 363 032	20 464 363	19 939 825

Political stability:

Stable	38 763	42 810	714 647	695 508	0
Fair	10 901 308	11 414 106	10 413 341	10 818 022	11 126 311
Unstable	6 402 576	6 060 390	7 074 981	7 722 061	7 623 624
Extreme Un stable	928 771	1 043 251	1 160 063	1 228 772	1 189 890
Total	18 271 418	18 560 557	19 363 032	20 464 363	19 939 825

Country groups and economic blocks:

ACP	2 015 075	2 101 674	2 048 207	2 067 111	2 150 508
ASEAN	791 997	686 367	932 721	1 072 777	931 736
BRICS	2 754 276	2 877 144	2 889 543	2 988 185	2 845 383
CPE	1 939 388	2 091 762	2 081 670	2 267 560	2 007 420
EC	856 310	850 039	878 146	919 938	965 231
EFTA	0	0	0	0	0
G7	2 585 795	2 032 729	2 094 647	2 125 508	1 865 731
MERCOSUR	380 610	398 753	421 228	419 530	417 703
NAFTA	2 410 919	2 547 754	2 689 098	2 892 268	2 607 977
OECD	10 039 217	10 107 419	10 320 794	10 297 764	9 901 983
SADC	1 839 424	1 894 532	1 889 097	1 919 246	1 998 751

Gallium

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	48	26	16	7	3
Developing C.	130	263	256	174	293
Least Developed C.	0	0	0	0	0
Transition C.	17	14	13	13	14
Total	195	303	285	194	310

Annual per capita income:

High Income	54	31	18	10	6
Upper Middle Income	130	262	258	175	295
Lower Middle Income	11	10	9	9	9
Low Income	0	0	0	0	0
Total	195	303	285	194	310

Political stability:

Stable	0	0	0	0	0
Fair	50	27	18	10	6
Unstable	145	266	258	175	295
Extreme Unstable	0	10	9	9	9
Total	195	303	285	194	310

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	134	266	258	175	295
CPE	128	262	254	171	290
EC	40	18	11	4	0
EFTA	0	0	0	0	0
G7	52	24	16	7	3
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	50	27	18	10	6
SADC	0	0	0	0	0

Germanium

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	22	22	18	5	4
Developing C.	89	95	114	110	87
Least Developed C.	0	0	0	0	0
Transition C.	6	7	7	7	7
Total	117	124	139	122	98
Annual per capita income:					
High Income	27	28	18	5	4
Upper Middle Income	89	95	120	116	93
Lower Middle Income	1	1	1	1	1
Low Income	0	0	0	0	0
Total	117	124	139	122	98
Political stability:					
Stable	17	17	0	0	0
Fair	5	5	18	5	4
Unstable	95	101	120	116	93
Extreme Unstable	0	1	1	1	1
Total	117	124	139	122	98

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	94	101	120	116	93
CPE	89	95	114	110	87
EC	17	17	13	0	0
EFTA	0	0	0	0	0
G7	10	5	5	5	4
MERCOSUR	0	0	0	0	0
NAFTA	3	3	3	3	2
OECD	22	22	18	5	4
SADC	0	0	0	0	0

Indium

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	218	225	216	176	205
Developing C.	573	606	596	577	580
Least Developed C.	0	0	0	0	0
Transition C.	33	43	40	5	5
Total	824	874	852	758	790
Annual per capita income:					
High Income	401	418	411	386	420
Upper Middle Income	423	456	441	372	370
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	824	874	852	758	790
Political stability:					
Stable	0	0	70	71	0
Fair	368	375	341	315	420
Unstable	456	499	441	372	370
Extreme Unstable	0	0	0	0	0
Total	824	874	852	758	790
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	445	485	432	367	365
CPE	407	437	387	357	355
EC	83	88	76	35	65
EFTA	0	0	0	0	0
G7	216	195	196	156	185
MERCOSUR	5	5	5	5	5
NAFTA	65	67	70	71	70
OECD	368	375	411	386	420
SADC	0	0	0	0	0

Lead

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	1 288 252	1 339 251	1 220 496	981 183	955 024
Developing C.	3 712 732	3 659 667	3 451 546	3 325 390	3 632 239
Least Developed C.	14 938	20 744	15 443	22 211	30 460
Transition C.	298 107	338 390	329 220	394 030	441 410
Total	5 314 029	5 358 052	5 016 705	4 722 814	5 059 133
Annual per capita income:					
High Income	1 439 841	1 553 010	1 207 825	962 973	976 681
Upper Middle Income	3 530 644	3 444 682	3 417 805	3 328 768	3 579 130
Lower Middle Income	267 099	321 616	357 122	394 172	410 632
Low Income	76 445	38 744	33 953	36 901	92 690
Total	5 314 029	5 358 052	5 016 705	4 722 814	5 059 133
Political stability:					
Stable	0	0	3 809	12 653	0
Fair	1 323 273	1 467 004	1 269 746	1 088 253	1 139 220
Unstable	3 978 515	3 877 689	3 650 461	3 541 811	3 817 613
Extreme Unstable	12 241	13 359	92 689	80 097	102 300
Total	5 314 029	5 358 052	5 016 705	4 722 814	5 059 133
Country groups and economic blocks:					
ACP	65 786	55 092	61 926	60 745	79 715
ASEAN	21 400	25 590	21 160	28 190	42 595
BRICS	3 021 178	2 956 296	2 706 724	2 627 259	2 864 959
CPE	2 738 630	2 648 020	2 373 400	2 269 820	2 487 690
EC	217 364	229 680	193 199	181 192	168 437
EFTA	0	0	0	0	0
G7	524 714	381 617	373 809	358 753	327 200
MERCOSUR	36 693	40 889	39 275	37 031	47 094
NAFTA	613 039	632 079	637 581	600 724	570 122
OECD	1 593 832	1 672 461	1 547 497	1 269 344	1 254 558
SADC	53 269	41 812	44 926	46 245	53 955

Lithium (Li₂O-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	23 107	24 558	26 164	31 925	55 112
Developing C.	36 476	38 392	39 213	50 553	52 210
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	59 583	62 950	65 377	82 478	107 322

Annual per capita income:

High Income	47 237	56 768	48 664	63 165	99 992
Upper Middle Income	10 666	4 552	15 308	17 273	5 460
Lower Middle Income	0	0	0	10	120
Low Income	1 680	1 630	1 405	2 030	1 750
Total	59 583	62 950	65 377	82 478	107 322

Political stability:

Stable	0	0	0	0	0
Fair	52 837	56 768	59 314	75 365	99 992
Unstable	6 746	6 182	6 063	7 113	7 330
Extreme Un stable	0	0	0	0	0
Total	59 583	62 950	65 377	82 478	107 322

Country groups and economic blocks:

ACP	1 680	1 630	1 405	2 030	1 750
ASEAN	0	0	0	0	0
BRICS	5 066	4 552	4 658	5 073	5 460
CPE	4 650	4 100	4 350	4 540	4 900
EC	237	208	204	485	782
EFTA	0	0	0	0	0
G7	1 870	2 150	1 820	1 800	1 420
MERCOSUR	6 016	7 842	10 958	12 733	12 920
NAFTA	1 870	2 150	1 820	1 800	1 420
OECD	47 237	49 378	48 664	63 165	87 632
SADC	1 680	1 630	1 405	2 030	1 750

Mercury

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	15	15	15	15	15
Developing C.	1 985	2 665	3 214	3 859	2 221
Least Developed C.	0	0	0	0	0
Transition C.	211	181	166	220	200
Total	2 211	2 861	3 395	4 094	2 436

Annual per capita income:

High Income	84	137	29	17	74
Upper Middle Income	1 946	2 573	3 230	3 887	2 202
Lower Middle Income	51	151	136	190	60
Low Income	130	0	0	0	100
Total	2 211	2 861	3 395	4 094	2 436

Political stability:

Stable	0	0	0	0	0
Fair	89	87	88	152	74
Unstable	2 122	2 774	3 307	3 942	2 362
Extreme Unstable	0	0	0	0	0
Total	2 211	2 861	3 395	4 094	2 436

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	1 663	2 310	2 850	3 483	1 999
CPE	1 613	2 260	2 800	3 433	1 949
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	65	15	15	15	15
MERCOSUR	55	52	59	135	54
NAFTA	283	316	322	282	215
OECD	302	336	336	284	220
SADC	0	0	0	0	0

Rare Earths Concentrates (REO-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	4 741	11 960	14 594	13 872	17 264
Developing C.	94 661	95 455	107 190	109 080	107 302
Least Developed C.	0	0	0	0	31
Transition C.	1 443	2 134	2 312	3 063	2 500
Total	100 845	109 549	124 096	126 015	127 097
Annual per capita income:					
High Income	6 184	14 094	14 594	13 872	17 264
Upper Middle Income	94 661	95 455	109 502	112 143	109 802
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	31
Total	100 845	109 549	124 096	126 015	127 097
Political stability:					
Stable	0	0	0	0	0
Fair	5 002	12 415	15 159	15 752	17 566
Unstable	95 843	97 134	108 937	110 263	109 500
Extreme Unstable	0	0	0	0	31
Total	100 845	109 549	124 096	126 015	127 097

Country groups and economic blocks:

ACP	0	0	0	0	31
ASEAN	261	455	565	1 880	302
BRICS	95 843	97 134	108 937	110 263	109 500
CPE	93 800	95 000	105 000	105 000	105 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	4 916	4 769	3 678	0	0
MERCOSUR	600	0	1 625	2 200	2 000
NAFTA	3 473	4 769	3 678	0	0
OECD	4 741	11 960	14 594	13 872	17 264
SADC	0	0	0	0	0

Rhenium

	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg
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Development status:

Developed C.	12 320	13 845	14 246	14 883	16 064
Developing C.	19 664	20 357	24 935	24 942	22 951
Least Developed C.	0	0	0	0	0
Transition C.	5 198	3 051	5 910	6 205	6 175
Total	37 182	37 253	45 091	46 030	45 190

Annual per capita income:

High Income	31 184	33 402	36 781	37 425	36 515
Upper Middle Income	4 800	2 600	7 206	7 200	7 675
Lower Middle Income	1 198	1 251	1 104	1 405	1 000
Low Income	0	0	0	0	0
Total	37 182	37 253	45 091	46 030	45 190

Political stability:

Stable	0	0	0	0	0
Fair	29 982	32 202	36 781	40 725	39 815
Unstable	7 200	5 051	8 310	5 305	5 375
Extreme Unstable	0	0	0	0	0
Total	37 182	37 253	45 091	46 030	45 190

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	3 800	3 800	3 900	3 900	4 000
CPE	2 300	2 300	2 400	2 400	2 500
EC	5 210	5 335	6 346	6 443	7 564
EFTA	0	0	0	0	0
G7	8 610	8 510	7 900	8 440	8 500
MERCOSUR	0	0	0	0	0
NAFTA	7 110	8 510	7 900	8 440	8 500
OECD	29 684	31 902	36 781	37 425	36 515
SADC	0	0	0	0	0

Selenium

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	1 971	2 028	1 999	2 073	2 015
Developing C.	1 309	966	955	1 045	999
Least Developed C.	0	0	0	0	0
Transition C.	336	257	231	239	312
Total	3 616	3 251	3 185	3 357	3 326
Annual per capita income:					
High Income	2 162	2 198	1 999	2 073	2 015
Upper Middle Income	1 328	947	1 078	1 166	1 144
Lower Middle Income	126	106	108	118	167
Low Income	0	0	0	0	0
Total	3 616	3 251	3 185	3 357	3 326
Political stability:					
Stable	72	94	156	175	0
Fair	1 960	2 001	1 860	1 929	2 082
Unstable	1 584	1 156	1 169	1 163	1 244
Extreme Unstable	0	0	0	90	0
Total	3 616	3 251	3 185	3 357	3 326
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	70	70	70	90	100
BRICS	1 166	906	926	986	931
CPE	1 000	720	729	772	720
EC	1 092	1 104	1 070	1 146	1 174
EFTA	0	0	0	0	0
G7	1 729	1 624	1 589	1 627	1 551
MERCOSUR	0	0	0	0	0
NAFTA	270	262	255	296	161
OECD	2 144	2 148	2 098	2 194	2 127
SADC	0	0	0	0	0

Tellurium

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	122	131	134	144	145
Developing C.	172	189	277	279	470
Least Developed C.	0	0	0	0	0
Transition C.	31	33	35	40	44
Total	325	353	446	463	659

Annual per capita income:

High Income	148	159	130	140	140
Upper Middle Income	177	194	316	323	519
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	325	353	446	463	659

Political stability:

Stable	0	0	10	18	0
Fair	122	131	124	126	145
Unstable	203	222	312	319	514
Extreme Un stable	0	0	0	0	0
Total	325	353	446	463	659

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	181	213	312	319	514
CPE	150	180	277	279	470
EC	29	36	37	43	40
EFTA	0	0	0	0	0
G7	124	95	97	101	105
MERCOSUR	0	0	0	0	0
NAFTA	62	58	60	68	67
OECD	117	126	130	140	140
SADC	0	0	0	0	0

Tin

	2013	2014	2015	2016	2017
	metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	6 556	6 973	7 216	6 840	7 762
Developing C.	265 098	257 020	250 063	218 191	209 821
Least Developed C.	27 452	44 237	66 122	71 685	82 353
Transition C.	156	321	578	627	1 011
Total	299 262	308 551	323 979	297 343	300 947

Annual per capita income:

High Income	6 712	7 294	7 216	6 840	7 762
Upper Middle Income	145 478	154 674	153 317	130 425	112 661
Lower Middle Income	120 141	138 128	155 785	150 798	166 446
Low Income	26 931	8 455	7 661	9 280	14 078
Total	299 262	308 551	323 979	297 343	300 947

Political stability:

Stable	0	0	0	0	0
Fair	15 963	11 592	19 177	16 607	21 506
Unstable	276 371	290 414	297 882	270 739	262 377
Extreme Unstable	6 928	6 545	6 920	9 997	17 064
Total	299 262	308 551	323 979	297 343	300 947

Country groups and economic blocks:

ACP	10 447	10 940	9 959	12 723	20 628
ASEAN	120 921	119 660	137 505	134 077	146 637
BRICS	118 212	127 974	129 612	107 429	89 724
CPE	106 389	106 993	114 771	96 214	79 320
EC	84	75	58	205	360
EFTA	0	0	0	0	0
G7	156		16	144	255
MERCOSUR	16 830	25 534	18 824	15 183	13 900
NAFTA	0	0	0	0	0
OECD	6 556	6 973	7 216	6 840	7 762
SADC	4 332	4 071	4 701	6 607	10 459

Zinc

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	3 435 908	3 442 856	3 446 644	2 709 411	2 633 416
Developing C.	9 389 363	9 363 416	9 149 731	8 903 432	8 926 833
Least Developed C.	51 129	88 517	86 195	141 687	212 417
Transition C.	676 529	659 189	682 501	717 720	754 820
Total	13 552 929	13 553 978	13 365 071	12 472 250	12 527 486

Annual per capita income:

High Income	3 683 267	3 715 448	3 496 515	2 738 481	2 690 903
Upper Middle Income	8 388 577	8 323 620	8 311 136	8 033 277	7 996 813
Lower Middle Income	1 366 001	1 402 493	1 444 075	1 502 055	1 527 563
Low Income	115 084	112 417	113 345	198 437	312 207
Total	13 552 929	13 553 978	13 365 071	12 472 250	12 527 486

Political stability:

Stable	41 124	46 063	289 584	321 272	0
Fair	3 715 009	4 046 202	3 431 355	2 980 751	3 203 635
Unstable	9 743 166	9 441 976	9 443 657	8 935 040	8 904 924
Extreme Unstable	53 630	19 737	200 475	235 187	418 927
Total	13 552 929	13 553 978	13 365 071	12 472 250	12 527 486

Country groups and economic blocks:

ACP	265 574	269 858	252 915	312 638	398 915
ASEAN	79 266	71 220	77 320	62 920	40 530
BRICS	6 351 322	6 275 387	5 888 506	5 809 672	5 518 956
CPE	5 295 750	5 214 000	4 839 800	4 761 100	4 376 250
EC	743 828	753 963	722 356	699 592	674 333
EFTA	0	0	0	0	0
G7	1 422 345	1 182 925	1 114 284	1 126 072	1 118 094
MERCOSUR	191 571	197 804	187 424	180 989	179 740
NAFTA	1 853 487	1 842 803	1 901 058	1 787 718	1 789 538
OECD	4 294 049	4 345 058	4 437 869	3 597 397	3 682 168
SADC	226 359	195 178	165 390	171 752	175 035

6.3.3 Precious Metals

Gold

	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg
Development status:					
Developed C.	671 428	679 789	700 577	727 318	754 218
Developing C.	1 555 041	1 597 734	1 635 056	1 711 886	1 692 335
Least Developed C.	290 619	305 854	319 704	343 929	394 064
Transition C.	387 111	431 767	452 827	463 710	498 935
Total	2 904 199	3 015 144	3 108 164	3 246 843	3 339 552
Annual per capita income:					
High Income	934 940	1 033 908	739 963	772 286	866 657
Upper Middle Income	1 199 866	1 183 908	1 528 462	1 561 952	1 492 818
Lower Middle Income	559 952	577 509	604 040	658 876	684 961
Low Income	209 441	219 819	235 699	253 729	295 116
Total	2 904 199	3 015 144	3 108 164	3 246 843	3 339 552
Political stability:					
Stable	21 128	20 074	175 191	173 789	10 288
Fair	928 428	905 778	721 952	826 283	1 196 034
Unstable	1 736 308	1 916 837	1 991 849	1 997 556	1 891 106
Extreme Unstable	218 335	172 455	219 172	249 215	242 124
Total	2 904 199	3 015 144	3 108 164	3 246 843	3 339 552

Country groups and economic blocks:

ACP	700 350	720 211	726 435	807 291	878 460
ASEAN	95 091	103 856	130 097	129 479	123 693
BRICS	884 003	934 964	934 207	945 029	920 223
CPE	439 130	472 449	471 421	472 520	446 548
EC	28 572	27 322	27 259	26 847	29 797
EFTA	0	0	0	0	0
G7	585 492	369 651	384 011	398 645	418 758
MERCOSUR	135 762	143 983	148 329	152 919	167 342
NAFTA	481 187	480 308	511 071	524 603	539 209
OECD	865 868	866 135	896 016	920 719	931 856
SADC	232 106	239 684	252 072	257 126	254 452

Palladium

	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg
Development status:					
Developed C.	30 348	35 894	36 361	35 811	31 838
Developing C.	87 498	69 108	92 902	88 495	91 954
Least Developed C.	0	0	0	0	0
Transition C.	78 655	80 553	75 732	86 273	83 815
Total	196 501	185 555	204 995	210 579	207 607
Annual per capita income:					
High Income	108 978	116 424	36 361	35 811	31 838
Upper Middle Income	77 370	58 993	158 579	162 546	163 947
Lower Middle Income	0	0	0	0	0
Low Income	10 153	10 138	10 055	12 222	11 822
Total	196 501	185 555	204 995	210 579	207 607
Political stability:					
Stable	766	808	22 600	21 200	0
Fair	30 919	35 669	13 939	14 634	31 888
Unstable	164 816	149 078	168 456	174 745	175 719
Extreme Unstable	0	0	0	0	0
Total	196 501	185 555	204 995	210 579	207 607
Country groups and economic blocks:					
ACP	87 498	69 108	92 902	88 495	91 954
ASEAN	327 287	260 145	305 131	351 759	319 977
BRICS	154 638	138 940	158 401	162 523	163 897
CPE	0	0	0	0	0
EC	796	833	804	931	1 028
EFTA	0	0	0	0	0
G7	107 552	34 448	35 132	34 270	30 200
MERCOSUR	0	0	0	0	0
NAFTA	28 922	34 448	35 132	34 270	30 200
OECD	30 348	35 894	36 361	35 811	31 838
SADC	87 498	69 108	92 902	88 495	91 954

Platinum

	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg
Development status:					
Developed C.	12 876	13 608	14 807	14 971	14 184
Developing C.	151 827	107 740	152 581	149 268	146 066
Least Developed C.	0	0	0	0	0
Transition C.	22 902	21 773	20 841	22 303	21 863
Total	187 605	143 121	188 229	186 542	182 113
Annual per capita income:					
High Income	35 776	35 378	14 807	14 971	14 184
Upper Middle Income	138 764	95 260	160 858	156 461	153 672
Lower Middle Income	0	0	0	0	0
Low Income	13 065	12 483	12 564	15 110	14 257
Total	187 605	143 121	188 229	186 542	182 113
Political stability:					
Stable	946	1 060	10 000	9 700	0
Fair	12 148	12 675	4 840	5 274	14 187
Unstable	172 991	129 386	173 389	171 568	167 926
Extreme Unstable	1 520	0	0	0	0
Total	187 605	143 121	188 229	186 542	182 113
Country groups and economic blocks:					
ACP	150 307	106 598	151 720	148 351	145 499
ASEAN	0	0	0	0	0
BRICS	159 924	115 761	159 964	155 541	153 102
CPE	0	0	0	0	0
EC	997	1 100	1 032	1 228	1 429
EFTA	0	0	0	0	0
G7	34 623	12 355	13 667	13 591	12 600
MERCOSUR	0	0	0	0	0
NAFTA	11 723	12 355	13 667	13 591	12 600
OECD	12 876	13 608	14 807	14 971	14 184
SADC	150 307	106 598	151 720	148 351	145 499

Rhodium

	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg
Development status:					
Developed C.	570	674	626	753	700
Developing C.	19 275	14 056	19 850	20 559	19 714
Least Developed C.	0	0	0	0	0
Transition C.	2 488	2 488	2 488	2 644	2 426
Total	22 333	17 218	22 964	23 956	22 840

Annual per capita income:

High Income	3 058	3 162	626	753	700
Upper Middle Income	18 129	12 916	21 210	21 881	20 857
Lower Middle Income	0	0	0	0	0
Low Income	1 146	1 140	1 128	1 322	1 283
Total	22 333	17 218	22 964	23 956	22 840

Political stability:

Stable	0	0	530	650	0
Fair	570	674	96	103	700
Unstable	21 763	16 544	22 338	23 203	22 140
Extreme Un stable	0	0	0	0	0
Total	22 333	17 218	22 964	23 956	22 840

Country groups and economic blocks:

ACP	19 275	14 056	19 850	20 559	19 714
ASEAN	0	0	0	0	0
BRICS	20 617	15 404	21 210	21 881	20 857
CPE	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	3 058	674	626	753	700
MERCOSUR	0	0	0	0	0
NAFTA	570	674	626	753	700
OECD	570	674	626	753	700
SADC	19 275	14 056	19 850	20 559	19 714

Silver

	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg
Development status:					
Developed C.	5 279 311	5 311 987	4 779 994	4 977 163	4 520 518
Developing C.	18 291 933	19 282 654	19 969 962	19 894 745	19 403 397
Least Developed C.	126 633	114 158	113 893	88 162	64 730
Transition C.	2 518 250	2 545 460	3 000 899	2 743 140	2 480 800
Total	26 216 127	27 254 259	27 864 748	27 703 210	26 469 445

Annual per capita income:

High Income	7 815 225	9 247 548	6 237 396	6 419 362	6 780 004
Upper Middle Income	15 560 926	14 677 577	18 089 534	17 653 690	17 024 028
Lower Middle Income	2 696 057	3 207 198	3 426 689	3 543 900	2 588 974
Low Income	143 919	121 936	111 129	86 258	76 439
Total	26 216 127	27 254 259	27 864 748	27 703 210	26 469 445

Political stability:

Stable	25 449	28 641	396 305	406 469	8 022
Fair	7 488 226	9 084 413	7 279 586	8 562 890	8 138 793
Unstable	18 590 758	18 130 231	19 991 297	18 519 170	18 162 014
Extreme Unstable	111 694	10 974	197 560	214 681	160 616
Total	26 216 127	27 254 259	27 864 748	27 703 210	26 469 445

Country groups and economic blocks:

ACP	364 303	371 398	291 469	319 511	312 455
ASEAN	0	0	0	0	0
BRICS	5 538 842	5 342 182	5 521 889	5 578 838	5 475 228
CPE	3 764 013	3 605 354	3 551 295	3 705 602	3 619 444
EC	1 747 299	1 766 485	1 858 775	1 994 399	1 977 430
EFTA	0	0	0	0	0
G7	3 108 739	1 682 844	1 478 423	1 556 585	1 414 891
MERCOSUR	912 579	1 022 250	1 217 388	1 098 000	1 044 361
NAFTA	7 504 363	7 444 965	7 428 958	6 972 038	7 226 517
OECD	12 400 017	12 768 381	12 378 597	12 009 361	11 743 434
SADC	164 925	93 654	73 519	79 441	83 313

6.3.4 Industrial Minerals

Asbestos

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	0	0	0	0	0
Developing C.	711 475	711 227	482 182	380 800	254 120
Least Developed C.	0	0	0	0	0
Transition C.	1 054 400	946 168	827 490	906 275	902 950
Total	1 765 875	1 657 395	1 309 672	1 287 075	1 157 070
Annual per capita income:					
High Income	811 000	733 068	0	0	26
Upper Middle Income	954 326	924 327	1 309 672	1 287 075	1 157 044
Lower Middle Income	172	0	0	0	0
Low Income	377	0	0	0	0
Total	1 765 875	1 657 395	1 309 672	1 287 075	1 157 070
Political stability:					
Stable	0	0	0	0	0
Fair	101	213 100	130	192 600	192 726
Unstable	1 765 774	1 444 295	1 309 542	1 094 475	964 344
Extreme Unstable	0	0	0	0	0
Total	1 765 875	1 657 395	1 309 672	1 287 075	1 157 070

Country groups and economic blocks:

ACP	377	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	1 521 997	1 444 295	1 129 742	1 094 475	964 344
CPE	420 000	400 000	250 000	203 000	125 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	811 000	0	0	0	0
MERCOSUR	290 926	311 227	232 182	177 800	129 120
NAFTA	0	0	0	0	0
OECD	0	0	0	0	0
SADC	377	0	0	0	0

Baryte

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	855 622	872 151	673 314	435 512	438 835
Developing C.	8 344 226	7 770 680	8 045 582	7 208 982	6 772 721
Least Developed C.	41 795	53 670	34 986	36 455	35 511
Transition C.	733 700	870 500	962 300	1 046 300	833 000
Total	9 975 343	9 567 001	9 716 182	8 727 249	8 080 067

Annual per capita income:

High Income	1 054 622	1 115 416	613 314	385 512	390 388
Upper Middle Income	6 351 233	6 098 027	6 264 578	6 093 155	5 362 110
Lower Middle Income	2 537 593	2 353 538	2 826 290	2 239 582	2 323 369
Low Income	31 895	20	12 000	9 000	4 200
Total	9 975 343	9 567 001	9 716 182	8 727 249	8 080 067

Political stability:

Stable	0	0	30 000	10 000	0
Fair	983 414	1 575 101	828 381	1 163 441	1 169 713
Unstable	8 737 757	7 847 129	8 072 222	7 067 174	6 518 479
Extreme Unstable	254 172	144 771	785 579	486 634	391 875
Total	9 975 343	9 567 001	9 716 182	8 727 249	8 080 067

Country groups and economic blocks:

ACP	18 960	7 113	3 323	537	717
ASEAN	239 732	301 206	345 607	339 556	253 465
BRICS	5 375 465	5 328 603	4 449 262	4 479 333	4 592 281
CPE	4 090 600	4 212 020	3 136 000	2 860 100	3 174 200
EC	97 446	172 475	198 297	178 373	169 877
EFTA	0	0	0	0	0
G7	990 446	816 575	587 297	355 373	350 177
MERCOSUR	61 735	19 654	15 917	24 522	25 534
NAFTA	1 088 585	815 914	734 700	406 854	619 912
OECD	1 934 523	1 187 049	1 534 957	863 605	1 027 194
SADC	0	0	0	0	0

Bentonite

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	7 120 173	7 710 363	7 127 813	6 469 243	6 783 187
Developing C.	8 058 775	8 207 605	10 279 738	10 660 964	10 662 673
Least Developed C.	1 645	739	1 050	922	885
Transition C.	873 484	910 799	870 301	1 092 027	1 266 485
Total	16 054 077	16 829 506	18 278 902	18 223 156	18 713 230
Annual per capita income:					
High Income	7 628 161	8 511 820	7 130 983	6 478 919	6 913 362
Upper Middle Income	6 710 968	6 531 105	9 206 247	9 601 655	9 705 634
Lower Middle Income	1 713 303	1 785 842	1 941 322	2 142 260	2 093 949
Low Income	1 645	739	350	322	285
Total	16 054 077	16 829 506	18 278 902	18 223 156	18 713 230
Political stability:					
Stable	762	1 000	700	700	700
Fair	6 543 476	7 084 025	6 318 133	5 879 740	6 027 556
Unstable	9 472 724	9 480 237	8 578 275	10 348 936	11 044 922
Extreme Unstable	37 115	264 244	3 381 794	1 993 780	1 640 052
Total	16 054 077	16 829 506	18 278 902	18 223 156	18 713 230
Country groups and economic blocks:					
ACP	177 615	172 558	166 385	149 453	166 015
ASEAN	12 032	10 370	11 180	10 830	10 900
BRICS	5 950 538	6 009 288	6 411 142	8 588 342	8 684 841
CPE	3 610 335	3 600 700	3 650 500	5 600 389	5 600 589
EC	2 179 411	2 339 363	2 542 113	2 309 543	2 514 487
EFTA	0	0	0	0	0
G7	5 702 664	5 726 264	4 952 074	4 581 545	4 713 253
MERCOSUR	675 124	693 376	751 574	652 373	663 390
NAFTA	5 176 887	5 319 625	4 304 236	3 709 176	3 848 475
OECD	8 579 984	9 201 881	10 428 842	8 209 173	8 284 471
SADC	177 280	171 858	165 885	149 064	165 426

Boron

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	1 032 000	1 118 000	1 218 000	1 134 000	1 075 000
Developing C.	3 554 591	3 318 295	3 494 430	2 914 757	3 121 232
Least Developed C.	0	0	0	0	0
Transition C.	106 199	111 234	112 000	110 000	115 000
Total	4 692 790	4 547 529	4 824 430	4 158 757	4 311 232

Annual per capita income:

High Income	1 690 273	2 090 825	1 735 584	1 692 854	1 811 994
Upper Middle Income	2 845 179	2 304 905	2 940 108	2 283 218	2 290 850
Lower Middle Income	157 338	151 799	148 738	182 685	208 388
Low Income	0	0	0	0	0
Total	4 692 790	4 547 529	4 824 430	4 158 757	4 311 232

Political stability:

Stable	0	0	0	0	0
Fair	2 038 885	2 039 591	1 984 267	1 871 244	1 841 994
Unstable	2 653 905	2 507 938	1 000 163	456 513	444 238
Extreme Un stable	0	0	1 840 000	1 831 000	2 025 000
Total	4 692 790	4 547 529	4 824 430	4 158 757	4 311 232

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	241 199	246 234	242 000	240 000	235 000
CPE	165 000	165 000	160 000	160 000	150 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	1 108 199	1 118 000	1 218 000	1 134 000	1 075 000
MERCOSUR	424 811	395 058	248 683	148 390	129 918
NAFTA	1 032 000	1 118 000	1 218 000	1 134 000	1 075 000
OECD	3 614 074	3 484 533	3 575 584	3 523 854	3 707 076
SADC	0	0	0	0	0

Diamonds (Gem)

	2013 ct	2014 ct	2015 ct	2016 ct	2017 ct
Development status:					
Developed C.	16 225 717	16 562 797	18 322 261	20 154 739	31 596 376
Developing C.	24 123 868	23 997 012	20 817 543	20 389 873	22 620 700
Least Developed C.	12 121 010	12 197 467	12 131 538	12 052 270	11 633 111
Transition C.	22 731 084	22 982 100	25 147 434	24 431 760	26 168 400
Total	75 201 679	75 739 376	76 418 776	77 028 642	92 018 587

Annual per capita income:

High Income	38 956 801	39 544 897	18 322 261	20 154 739	31 596 376
Upper Middle Income	28 569 645	30 169 717	52 909 951	44 037 637	47 943 585
Lower Middle Income	255 008	340 810	224 920	8 331 799	8 813 355
Low Income	7 420 225	5 683 952	4 961 644	4 504 467	3 665 271
Total	75 201 679	75 739 376	76 418 776	77 028 642	92 018 587

Political stability:

Stable	0	0	11 677 471	13 315 319	0
Fair	33 995 139	35 614 399	22 897 698	22 957 470	49 604 310
Unstable	37 551 620	36 759 377	38 658 907	37 633 990	40 098 105
Extreme Unstable	3 654 920	3 365 600	3 184 700	3 121 863	2 316 172
Total	75 201 679	75 739 376	76 418 776	77 028 642	92 018 587

Country groups and economic blocks:

ACP	36 224 603	36 172 805	32 925 794	32 367 968	34 154 776
ASEAN	0	0	0	0	0
BRICS	26 002 842	26 227 301	28 463 941	27 828 155	30 146 655
CPE	1 050	0	0	127	230
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	33 330 744	12 011 619	11 677 471	13 315 319	23 200 226
MERCOSUR	16 225	18 785	10 503	60 560	84 115
NAFTA	10 599 660	12 011 619	11 677 471	13 315 319	23 200 226
OECD	16 225 717	16 562 797	18 322 261	20 154 739	31 596 376
SADC	35 471 206	35 198 171	32 066 747	31 583 718	33 651 397

Diamonds (Ind)

	2013 ct	2014 ct	2015 ct	2016 ct	2017 ct
Development status:					
Developed C.	5 855 692	4 736 940	6 916 005	7 118 580	8 738 850
Developing C.	19 233 986	15 868 763	13 781 577	13 049 129	14 823 781
Least Developed C.	15 847 178	14 686 147	13 937 040	13 845 693	18 763 076
Transition C.	15 154 056	15 321 400	16 764 956	16 287 840	17 445 600
Total	56 090 912	50 613 250	51 399 578	50 301 242	59 771 307

Annual per capita income:

High Income	21 009 748	20 058 340	6 916 005	7 118 580	8 738 850
Upper Middle Income	12 666 353	13 240 180	28 993 042	27 775 045	30 420 740
Lower Middle Income	470 741	440 340	346 771	1 244 542	1 938 151
Low Income	21 944 070	16 874 390	15 143 760	14 163 075	18 673 566
Total	56 090 912	50 613 250	51 399 578	50 301 242	59 771 307

Political stability:

Stable	0	0	0	0	0
Fair	13 114 736	12 228 603	13 251 421	13 464 530	15 885 399
Unstable	28 713 196	25 049 747	25 536 867	24 386 662	27 239 516
Extreme Unstable	14 262 980	13 334 900	12 611 290	12 450 050	16 646 392
Total	56 090 912	50 613 250	51 399 578	50 301 242	59 771 307

Country groups and economic blocks:

ACP	35 013 708	30 483 554	27 674 034	26 748 839	33 391 067
ASEAN	0	0	0	0	0
BRICS	20 098 736	20 228 046	21 749 379	21 417 153	23 460 210
CPE	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	15 154 056	0	0	0	0
MERCOSUR	32 941	38 138	21 323	122 955	170 780
NAFTA	0	0	0	0	0
OECD	5 855 692	4 736 940	6 916 005	7 118 580	8 738 850
SADC	34 519 036	30 183 332	27 407 801	26 481 720	33 071 932

Diatomite

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	1 107 655	1 249 312	1 117 729	966 164	1 006 135
Developing C.	1 031 017	1 047 527	858 602	799 597	1 007 200
Least Developed C.	4 375	4 078	4 000	4 000	4 000
Transition C.	19 376	20 439	18 915	25 486	23 465
Total	2 162 423	2 321 356	1 999 246	1 795 247	2 040 800
Annual per capita income:					
High Income	1 168 747	1 536 244	1 159 225	1 013 665	1 237 852
Upper Middle Income	968 871	759 400	816 016	750 858	797 670
Lower Middle Income	19 376	21 634	20 005	26 724	1 278
Low Income	5 429	4 078	4 000	4 000	4 000
Total	2 162 423	2 321 356	1 999 246	1 795 247	2 040 800
Political stability:					
Stable	4	43 624	0	0	0
Fair	1 416 468	1 503 471	1 240 713	1 001 278	1 242 070
Unstable	741 951	769 066	667 877	727 009	625 146
Extreme Unstable	4 000	5 195	90 656	66 960	173 584
Total	2 162 423	2 321 356	1 999 246	1 795 247	2 040 800

Country groups and economic blocks:

ACP	5 429	5 273	5 090	5 238	5 278
ASEAN	0	0	0	0	0
BRICS	431 947	435 080	425 530	405 000	405 000
CPE	430 000	430 000	420 000	400 000	400 000
EC	316 413	303 009	280 806	279 131	305 050
EFTA	0	0	0	0	0
G7	867 000	991 000	922 000	776 000	790 000
MERCOSUR	211 259	195 119	66 481	62 113	75 419
NAFTA	869 463	988 849	921 810	782 686	796 374
OECD	1 340 781	1 495 938	1 335 691	1 172 073	1 433 391
SADC	375	78	0	0	0

Feldspar

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	10 552 551	10 475 032	9 342 051	10 064 800	9 943 332
Developing C.	24 353 254	20 771 699	23 119 856	25 623 233	24 615 467
Least Developed C.	31 700	50 680	28 238	49 000	60 000
Transition C.	370 601	320 582	269 749	331 646	349 537
Total	35 308 106	31 617 993	32 759 894	36 068 679	34 968 336
Annual per capita income:					
High Income	11 274 235	11 633 741	10 115 614	10 909 509	11 012 070
Upper Middle Income	20 333 856	14 458 703	17 363 146	16 333 478	17 379 814
Lower Middle Income	3 700 015	5 525 549	5 281 134	8 825 692	6 576 452
Low Income	0	0	0	0	0
Total	35 308 106	31 617 993	32 759 894	36 068 679	34 968 336
Political stability:					
Stable	82 636	81 233	0	0	0
Fair	11 375 224	11 511 066	10 685 912	10 784 073	11 275 785
Unstable	22 342 759	19 327 256	11 094 162	14 929 097	12 622 850
Extreme Unstable	1 507 487	698 438	10 979 820	10 355 509	11 069 701
Total	35 308 106	31 617 993	32 759 894	36 068 679	34 968 336
Country groups and economic blocks:					
ACP	260 023	238 201	194 802	222 006	218 080
ASEAN	2 948 043	3 300 206	3 017 863	3 008 933	3 221 625
BRICS	4 440 282	6 196 681	6 485 265	9 698 646	7 559 565
CPE	2 223 200	2 303 600	2 353 300	2 405 790	2 508 715
EC	9 838 866	9 792 552	8 676 198	9 458 032	9 308 003
EFTA	0	1 278	76	0	0
G7	9 003 705	9 216 646	8 024 326	8 644 218	8 685 000
MERCOSUR	605 081	674 859	719 009	690 677	690 140
NAFTA	714 484	680 726	679 372	597 213	771 480
OECD	24 821 341	19 112 223	20 518 552	20 324 081	21 174 983
SADC	191 443	102 541	130 184	127 872	116 705

Fluorspar

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	244 054	334 482	337 288	199 083	183 245
Developing C.	6 504 637	5 926 785	5 957 873	5 370 134	5 791 080
Least Developed C.	4 700	4 108	2 000	2 000	3 000
Transition C.	56 200	8 200	1 000	3 000	6 000
Total	6 809 591	6 273 575	6 298 161	5 574 217	5 983 325

Annual per capita income:

High Income	217 754	251 315	205 388	194 683	196 941
Upper Middle Income	6 058 551	5 729 315	5 432 089	4 782 511	5 141 104
Lower Middle Income	451 599	283 837	654 684	595 023	639 780
Low Income	81 687	9 108	6 000	2 000	5 500
Total	6 809 591	6 273 575	6 298 161	5 574 217	5 983 325

Political stability:

Stable	0	0	0	0	0
Fair	701 722	787 199	896 870	681 083	750 691
Unstable	6 086 540	5 376 712	5 385 988	4 828 645	5 207 221
Extreme Un stable	21 329	109 664	15 303	64 489	25 413
Total	6 809 591	6 273 575	6 298 161	5 574 217	5 983 325

Country groups and economic blocks:

ACP	295 111	361 194	191 412	219 656	261 945
ASEAN	18 351	100 084	229 095	238 978	239 920
BRICS	4 644 174	3 999 050	4 552 000	4 008 175	4 289 313
CPE	4 758 719	4 213 794	4 898 300	4 267 778	4 556 250
EC	244 054	334 482	337 288	199 083	183 245
EFTA	0	0	0	0	0
G7	120 944	83 100	74 741	64 552	57 375
MERCOSUR	66 313	63 282	92 633	41 222	40 696
NAFTA	1 210 477	1 109 721	624 574	655 555	772 100
OECD	1 375 905	1 317 674	836 200	860 577	975 495
SADC	223 124	264 038	121 316	177 000	255 000

Graphite

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	36 676	38 975	40 028	31 252	30 172
Developing C.	1 064 979	1 038 320	1 055 350	1 058 119	860 461
Least Developed C.	3 833	5 316	8 100	9 230	14 102
Transition C.	21 000	23 000	25 900	31 400	38 400
Total	1 126 488	1 105 611	1 129 378	1 130 001	943 135

Annual per capita income:

High Income	50 676	54 875	40 090	31 252	30 172
Upper Middle Income	878 572	880 036	885 086	898 600	796 926
Lower Middle Income	156 473	128 531	149 740	138 297	50 358
Low Income	40 767	42 169	54 462	61 852	65 679
Total	1 126 488	1 105 611	1 129 378	1 130 001	943 135

Political stability:

Stable	6 407	150	30 000	21 000	0
Fair	31 169	39 725	15 202	10 252	32 388
Unstable	1 088 912	1 057 736	1 074 176	1 086 749	893 747
Extreme Unstable	0	8 000	10 000	12 000	17 000
Total	1 126 488	1 105 611	1 129 378	1 130 001	943 135

Country groups and economic blocks:

ACP	10 767	12 169	14 462	14 852	17 895
ASEAN	0	0	0	0	0
BRICS	1 002 298	998 738	1 013 190	1 006 837	813 958
CPE	780 000	810 000	820 000	827 000	720 000
EC	469	667	843	652	572
EFTA	6 207	8 308	9 185	9 600	9 600
G7	44 269	30 517	30 398	21 502	20 422
MERCOSUR	92 808	87 926	82 662	85 000	85 000
NAFTA	37 024	39 160	36 524	35 200	30 310
OECD	72 440	51 985	46 614	45 452	44 482
SADC	6 934	12 169	14 462	14 852	17 895

Gypsum and Anhydrite

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	45 670 573	46 996 944	41 215 950	46 713 114	47 615 222
Developing C.	102 575 796	91 582 306	91 166 899	97 415 831	95 232 611
Least Developed C.	1 926 828	1 975 560	2 143 089	1 637 193	1 490 251
Transition C.	7 358 961	6 840 274	6 274 844	6 380 518	6 916 370
Total	157 532 158	147 395 084	140 800 782	152 146 656	151 254 454
Annual per capita income:					
High Income	54 566 131	58 084 308	50 110 579	57 655 161	60 783 796
Upper Middle Income	93 336 899	80 685 125	81 344 324	85 308 136	80 182 460
Lower Middle Income	9 266 599	8 322 972	9 003 577	8 866 615	9 965 487
Low Income	362 529	302 679	342 302	316 744	322 711
Total	157 532 158	147 395 084	140 800 782	152 146 656	151 254 454
Political stability:					
Stable	1 052 308	1 069 892	2 046 216	2 018 573	0
Fair	51 058 636	52 802 575	48 861 708	51 344 504	58 944 529
Unstable	87 435 213	87 829 803	76 199 338	83 269 798	76 361 245
Extreme Unstable	17 986 001	5 692 814	13 693 520	15 513 781	15 948 680
Total	157 532 158	147 395 084	140 800 782	152 146 656	151 254 454

Country groups and economic blocks:

ACP	1 547 632	1 695 344	1 384 137	1 058 955	967 489
ASEAN	14 492 373	14 119 250	13 240 544	12 562 739	11 415 022
BRICS	39 283 192	30 696 041	30 085 982	34 812 457	34 870 685
CPE	28 092 100	20 067 800	20 090 900	25 473 900	25 085 400
EC	22 255 714	24 830 395	18 617 831	23 800 455	23 267 152
EFTA	417 009	419 740	397 403	422 386	427 891
G7	32 812 398	31 058 134	24 699 618	28 648 375	29 528 523
MERCOSUR	4 975 828	5 018 429	4 450 449	4 212 890	3 430 108
NAFTA	26 257 159	25 036 272	25 427 828	26 361 380	27 998 213
OECD	62 793 267	62 249 585	55 995 281	63 846 548	64 957 676
SADC	920 250	904 532	598 900	476 201	476 330

Kaolin

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	17 076 139	17 095 366	16 286 101	16 684 422	17 631 401
Developing C.	19 607 344	18 807 693	19 208 462	18 818 035	18 628 254
Least Developed C.	74 516	104 825	62 017	57 865	79 379
Transition C.	2 277 629	2 475 796	3 159 404	4 104 986	4 225 901
Total	39 035 628	38 483 680	38 715 984	39 665 308	40 564 935

Annual per capita income:

High Income	18 249 263	18 239 409	16 714 299	17 129 668	18 202 789
Upper Middle Income	12 728 447	13 567 769	14 083 745	14 568 517	14 327 020
Lower Middle Income	8 008 302	6 621 677	7 870 413	7 915 758	7 961 193
Low Income	49 616	54 825	47 527	51 365	73 933
Total	39 035 628	38 483 680	38 715 984	39 665 308	40 564 935

Political stability:

Stable	24 624	75 725	13 659	61 650	50 424
Fair	18 788 286	17 934 374	17 445 947	17 615 256	18 853 955
Unstable	19 730 755	18 656 113	17 263 893	18 072 192	17 602 470
Extreme Unstable	491 963	1 817 468	3 992 485	3 916 210	4 058 086
Total	39 035 628	38 483 680	38 715 984	39 665 308	40 564 935

Country groups and economic blocks:

ACP	121 511	154 083	104 743	106 610	160 109
ASEAN	1 809 460	1 203 323	1 186 735	1 332 610	1 285 969
BRICS	14 166 814	13 580 638	14 415 126	14 675 449	14 614 695
CPE	7 203 600	6 951 700	7 131 500	7 342 500	7 531 500
EC	10 702 146	10 601 080	10 077 077	11 218 543	11 876 827
EFTA	0	0	0	0	0
G7	13 162 811	12 323 313	11 370 191	11 534 803	12 271 237
MERCOSUR	2 229 038	2 110 892	1 877 214	2 271 706	1 905 940
NAFTA	6 809 860	6 796 437	6 396 049	5 622 070	5 794 055
OECD	19 181 901	19 810 649	18 610 418	18 476 663	19 411 103
SADC	23 202	31 067	22 079	21 797	45 111

Magnesite

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	3 621 258	3 526 443	3 360 427	3 062 233	3 463 867
Developing C.	21 738 304	23 080 200	23 271 241	22 589 884	20 599 409
Least Developed C.	0	225	60	0	0
Transition C.	2 117 100	1 969 800	1 709 300	1 196 200	1 405 500
Total	27 476 662	28 576 668	28 341 028	26 848 317	25 468 776
Annual per capita income:					
High Income	5 801 758	5 567 243	3 437 427	3 162 233	3 567 999
Upper Middle Income	21 268 065	22 509 753	24 385 139	23 150 843	21 494 388
Lower Middle Income	226 839	319 247	364 402	368 641	224 689
Low Income	180 000	180 425	154 060	166 600	181 700
Total	27 476 662	28 576 668	28 341 028	26 848 317	25 468 776
Political stability:					
Stable	714 422	766 372	150 000	150 000	0
Fair	2 523 836	2 399 803	2 827 197	2 514 293	3 021 187
Unstable	24 229 925	25 406 723	22 023 992	20 880 041	20 733 862
Extreme Unstable	8 479	3 770	3 339 839	3 303 983	1 713 727
Total	27 476 662	28 576 668	28 341 028	26 848 317	25 468 776
Country groups and economic blocks:					
ACP	8 219	10 000	10 200	8 800	9 000
ASEAN	5 998	6 200	7 158	10 310	10 000
BRICS	20 711 125	22 118 019	21 108 388	19 936 849	19 701 033
CPE	17 180 000	18 610 200	17 594 000	17 006 600	16 681 700
EC	2 963 891	2 785 488	2 547 215	2 442 778	3 103 023
EFTA	0	0	0	0	0
G7	2 267 100	150 000	150 000	150 000	150 000
MERCOSUR	1 388 866	1 423 210	1 621 425	1 600 000	1 600 000
NAFTA	251 000	250 000	251 000	251 000	251 000
OECD	6 319 723	6 003 600	6 796 685	6 421 678	5 258 938
SADC	8 219	10 000	10 200	8 800	9 000

Perlite

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	1 409 324	1 497 078	1 434 945	1 485 030	1 507 853
Developing C.	1 217 407	1 061 485	999 429	1 181 174	713 002
Least Developed C.	0	0	0	0	0
Transition C.	122 784	129 904	102 657	89 820	59 036
Total	2 749 515	2 688 467	2 537 031	2 756 024	2 279 891

Annual per capita income:

High Income	1 428 100	1 565 558	1 437 945	1 490 530	1 531 987
Upper Middle Income	1 229 382	1 020 871	1 005 754	1 181 929	708 904
Lower Middle Income	92 033	102 038	93 332	83 565	39 000
Low Income	0	0	0	0	0
Total	2 749 515	2 688 467	2 537 031	2 756 024	2 279 891

Political stability:

Stable	0	0	0	0	0
Fair	626 645	535 230	570 557	587 025	599 037
Unstable	2 108 577	2 153 237	1 123 232	1 064 003	1 074 623
Extreme Un stable	14 293		843 242	1 104 996	606 231
Total	2 749 515	2 688 467	2 537 031	2 756 024	2 279 891

Country groups and economic blocks:

ACP	1 078	1 000	1 000	1 000	1 000
ASEAN	28 542	71 234	52 875	54 435	44 800
BRICS	46 078	46 000	46 000	46 000	46 000
CPE	0	0	0	0	0
EC	937 024	1 035 078	946 945	971 410	987 578
EFTA	0	0	0	0	0
G7	516 000	462 000	488 000	513 000	520 000
MERCOSUR	24 737	22 680	23 282	17 905	19 924
NAFTA	498 200	488 000	501 000	532 000	533 000
OECD	2 517 273	2 421 003	2 294 187	2 575 781	2 131 294
SADC	1 078	1 000	1 000	1 000	1 000

Phosphates (P₂O₅-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	10 962 040	9 094 170	9 660 735	9 563 444	9 533 760
Developing C.	57 884 432	60 255 757	67 065 532	67 566 202	68 441 925
Least Developed C.	1 010 994	868 680	1 058 340	1 198 730	1 109 280
Transition C.	4 660 500	4 659 010	5 038 900	5 315 600	5 445 000
Total	74 517 966	74 877 617	82 823 507	83 643 976	84 529 965

Annual per capita income:

High Income	15 425 230	13 665 800	10 686 205	10 645 184	10 668 950
Upper Middle Income	46 155 635	48 538 997	58 581 352	56 921 472	58 301 815
Lower Middle Income	12 173 227	12 018 960	12 402 610	14 783 590	14 254 920
Low Income	763 874	653 860	1 153 340	1 293 730	1 304 280
Total	74 517 966	74 877 617	82 823 507	83 643 976	84 529 965

Political stability:

Stable	315 800	340 640	0	0	0
Fair	10 474 860	8 128 630	9 416 515	9 672 734	9 924 620
Unstable	61 569 126	64 689 697	71 551 762	72 576 222	73 454 245
Extreme Unstable	2 158 180	1 718 650	1 855 230	1 395 020	1 151 100
Total	74 517 966	74 877 617	82 823 507	83 643 976	84 529 965

Country groups and economic blocks:

ACP	1 893 894	1 630 580	1 752 340	1 832 330	1 887 980
ASEAN	801 067	746 110	882 950	951 440	982 670
BRICS	40 237 010	43 892 360	50 280 350	51 036 150	51 024 800
CPE	33 444 830	36 967 670	43 583 720	44 357 150	44 398 670
EC	315 800	340 640	344 360	338 230	352 300
EFTA	0	0	0	0	0
G7	13 025 000	7 110 000	7 710 000	7 615 000	7 784 000
MERCOSUR	2 533 780	2 531 030	2 174 370	2 017 500	1 710 000
NAFTA	9 647 435	7 630 040	8 288 830	8 603 280	8 476 150
OECD	11 704 415	9 647 480	10 281 935	10 637 144	10 079 210
SADC	973 160	868 160	699 430	599 430	729 800

Potash (K₂O-Content)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	17 415 863	17 956 132	17 833 017	17 209 134	18 704 258
Developing C.	6 871 722	7 604 161	9 266 228	9 538 380	9 762 086
Least Developed C.	82 500	189 400	255 100	198 600	307 600
Transition C.	10 375 300	13 696 360	13 410 900	12 743 100	14 086 800
Total	34 745 385	39 446 053	40 765 245	39 689 214	42 860 744
Annual per capita income:					
High Income	24 657 253	26 384 112	19 012 577	18 512 974	19 942 888
Upper Middle Income	9 921 032	12 776 181	21 394 568	19 672 500	22 525 256
Lower Middle Income	167 100	285 760	358 100	1 503 740	392 600
Low Income	0	0	0	0	0
Total	34 745 385	39 446 053	40 765 245	39 689 214	42 860 744
Political stability:					
Stable	0	0	11 461 530	10 789 662	0
Fair	21 041 153	23 798 912	12 977 047	12 008 912	25 225 588
Unstable	13 704 232	15 647 141	16 326 668	16 890 640	17 635 156
Extreme Unstable	0	0	0	0	0
Total	34 745 385	39 446 053	40 765 245	39 689 214	42 860 744

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	82 500	189 400	255 100	198 600	307 600
BRICS	10 658 892	11 971 021	12 858 018	12 563 000	13 203 296
CPE	4 300 000	4 400 000	5 714 000	5 783 000	5 997 000
EC	4 366 473	4 433 577	4 334 487	3 826 372	3 690 949
EFTA	0	0	0	0	0
G7	20 859 291	15 394 868	15 868 058	14 443 788	16 020 090
MERCOSUR	310 892	311 021	304 018	300 000	306 296
NAFTA	11 156 090	11 667 955	12 201 530	11 289 662	12 886 609
OECD	18 609 253	19 124 112	19 012 577	18 512 974	19 942 888
SADC	0	0	0	0	0

Salt

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	124 489 708	125 430 347	123 317 631	113 208 322	119 996 733
Developing C.	149 792 032	158 099 502	156 577 116	151 470 886	150 735 980
Least Developed C.	3 065 023	3 149 906	2 862 318	3 278 754	3 094 395
Transition C.	13 020 748	10 405 293	10 399 543	10 779 243	10 601 719
Total	290 367 511	297 085 048	293 156 608	278 737 205	284 428 827

Annual per capita income:

High Income	133 113 327	141 050 834	133 417 173	119 120 148	126 986 700
Upper Middle Income	116 198 191	113 244 841	115 895 637	114 460 484	113 252 703
Lower Middle Income	37 890 763	41 421 602	42 240 039	43 569 727	42 534 482
Low Income	3 165 230	1 367 771	1 603 759	1 586 846	1 654 942
Total	290 367 511	297 085 048	293 156 608	278 737 205	284 428 827

Political stability:

Stable	1 766 810	1 653 809	14 869 314	10 806 377	108 600
Fair	137 373 419	141 562 193	127 504 352	114 213 921	135 487 718
Unstable	142 048 583	145 843 588	137 688 687	137 504 493	134 155 311
Extreme Unstable	9 178 699	8 025 458	13 094 255	16 212 414	14 677 198
Total	290 367 511	297 085 048	293 156 608	278 737 205	284 428 827

Country groups and economic blocks:

ACP	4 176 991	4 821 823	4 307 554	3 726 259	3 733 398
ASEAN	4 183 315	5 599 453	5 972 089	4 158 726	4 919 804
BRICS	107 455 791	109 717 049	106 869 274	107 985 939	106 251 544
CPE	75 119 279	72 147 852	68 502 986	67 931 478	68 143 160
EC	56 854 979	50 503 219	50 173 456	48 169 185	51 510 864
EFTA	591 400	439 500	481 941	452 216	453 509
G7	91 221 285	88 542 854	88 666 834	78 974 126	83 325 807
MERCOSUR	9 452 918	9 648 656	9 718 792	10 052 285	10 130 000
NAFTA	62 235 709	69 982 070	69 104 400	62 037 214	63 056 861
OECD	142 813 436	146 779 425	146 164 668	131 367 786	137 301 545
SADC	2 030 161	2 140 071	2 102 979	2 220 415	2 195 543

Sulfur

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	25 242 228	24 858 781	24 322 743	24 335 622	24 663 357
Developing C.	32 070 729	34 836 390	36 870 252	37 369 005	37 175 568
Least Developed C.	310 000	300 000	300 000	363 000	679 500
Transition C.	10 171 000	10 886 205	10 600 400	10 338 500	11 127 800
Total	67 793 957	70 881 376	72 093 395	72 406 127	73 646 225
Annual per capita income:					
High Income	44 326 720	46 204 121	40 663 618	42 098 512	42 057 967
Upper Middle Income	20 014 502	20 919 675	26 591 647	24 966 046	25 633 418
Lower Middle Income	3 410 735	3 715 580	4 817 630	5 331 569	5 944 840
Low Income	42 000	42 000	20 500	10 000	10 000
Total	67 793 957	70 881 376	72 093 395	72 406 127	73 646 225
Political stability:					
Stable	967 789	853 280	5 745 000	5 381 000	0
Fair	33 401 131	36 681 196	29 721 838	32 917 482	39 566 097
Unstable	33 033 357	32 997 228	36 218 227	32 585 376	33 638 888
Extreme Unstable	391 680	349 672	408 330	1 522 269	441 240
Total	67 793 957	70 881 376	72 093 395	72 406 127	73 646 225
Country groups and economic blocks:					
ACP	580 173	577 018	584 381	643 830	936 200
ASEAN	565 500	624 800	1 566 400	1 674 400	1 556 400
BRICS	20 393 798	22 681 826	20 275 481	19 881 630	20 201 900
CPE	10 542 000	12 042 000	10 020 500	9 160 000	8 950 000
EC	5 276 528	4 844 181	4 606 843	4 686 822	5 050 757
EFTA	130 000	130 000	110 000	110 000	100 000
G7	27 983 240	20 966 746	20 515 297	20 494 684	20 590 482
MERCOSUR	1 360 000	1 340 000	1 230 000	1 230 000	1 230 000
NAFTA	16 541 259	16 474 939	16 143 527	15 794 285	15 675 218
OECD	29 382 087	29 088 520	28 564 970	28 462 087	28 493 505
SADC	580 173	577 018	584 381	643 830	936 200

Talc

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	2 267 183	2 345 065	2 332 534	2 309 275	2 393 977
Developing C.	5 846 301	6 552 876	5 130 767	5 185 220	5 441 100
Least Developed C.	14 724	18 304	14 062	8 371	12 389
Transition C.	160 621	150 483	150 598	150 729	150 478
Total	8 288 829	9 066 728	7 627 961	7 653 595	7 997 944

Annual per capita income:

High Income	2 961 862	3 178 349	2 976 512	2 944 062	2 887 949
Upper Middle Income	3 989 815	3 786 598	3 348 924	3 126 484	3 177 130
Lower Middle Income	1 282 012	2 046 078	1 247 270	1 541 189	1 885 769
Low Income	55 140	55 703	55 255	41 860	47 096
Total	8 288 829	9 066 728	7 627 961	7 653 595	7 997 944

Political stability:

Stable	496 654	511 929	175 000	199 000	0
Fair	2 340 697	2 522 504	2 801 093	2 271 589	2 845 242
Unstable	5 260 116	5 923 273	4 325 923	4 818 890	4 490 044
Extreme Un stable	191 362	109 022	325 945	364 116	662 658
Total	8 288 829	9 066 728	7 627 961	7 653 595	7 997 944

Country groups and economic blocks:

ACP	22 303	27 327	24 849	28 493	64 673
ASEAN	34 700	57 308	52 268	103 926	61 436
BRICS	4 087 749	4 833 643	3 949 561	4 048 869	4 205 076
CPE	2 250 000	2 250 000	2 250 000	2 040 000	1 840 000
EC	1 075 183	1 150 078	1 087 534	1 099 275	1 143 977
EFTA	0	0	0	0	0
G7	1 812 181	1 694 894	1 785 430	1 727 997	1 788 000
MERCOSUR	625 457	583 031	517 970	516 556	515 430
NAFTA	1 563 813	1 452 064	810 452	746 392	776 280
OECD	3 744 609	3 839 905	3 138 579	3 116 128	3 304 031
SADC	22 303	27 327	21 849	23 576	58 776

Vermiculite

	2013	2014	2015	2016	2017
	metr. t	metr. t	metr. t	metr. t	metr. t
Development status:					
Developed C.	109 091	100 000	100 000	100 000	100 000
Developing C.	285 195	300 890	301 911	313 687	300 109
Least Developed C.	2 296	2 661	1 213	3 295	4 119
Transition C.	20 900	21 000	21 000	20 000	20 000
Total	417 482	424 551	424 124	436 982	424 228

Annual per capita income:

High Income	129 991	121 090	100 000	100 000	100 000
Upper Middle Income	241 386	251 593	265 354	292 233	287 752
Lower Middle Income	14 601	18 467	26 689	12 142	9 055
Low Income	31 504	33 401	32 081	32 607	27 421
Total	417 482	424 551	424 124	436 982	424 228

Political stability:

Stable	0	0	0	0	0
Fair	109 211	100 090	100 090	100 060	100 000
Unstable	305 521	321 321	320 609	332 772	319 610
Extreme Unstable	2 750	3 140	3 425	4 150	4 618
Total	417 482	424 551	424 124	436 982	424 228

Country groups and economic blocks:

ACP	159 162	176 848	170 781	199 190	193 505
ASEAN	0	0	0	0	0
BRICS	270 788	285 778	286 819	298 855	292 189
CPE	50 000	50 000	50 000	50 000	50 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	120 900	100 000	100 000	100 000	100 000
MERCOSUR	60 499	56 534	54 340	53 390	50 050
NAFTA	100 425	100 226	100 299	100 310	100 000
OECD	111 120	100 942	100 724	101 360	101 618
SADC	156 466	173 747	169 158	195 795	189 386

Zircon

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	466 000	817 826	747 326	650 000	615 000
Developing C.	493 760	641 299	628 467	622 266	606 877
Least Developed C.	65 695	89 531	110 316	137 738	164 513
Transition C.	49 504	42 930	38 180	36 984	33 824
Total	1 074 959	1 591 586	1 524 289	1 446 988	1 420 214
Annual per capita income:					
High Income	474 504	825 756	747 326	650 000	615 000
Upper Middle Income	395 979	563 537	550 920	508 287	481 132
Lower Middle Income	138 781	121 802	115 727	150 963	159 569
Low Income	65 695	80 491	110 316	137 738	164 513
Total	1 074 959	1 591 586	1 524 289	1 446 988	1 420 214
Political stability:					
Stable	0	0	0	0	0
Fair	492 379	818 503	756 766	659 953	625 458
Unstable	581 053	722 045	734 198	716 677	762 970
Extreme Unstable	1 527	51 038	33 325	70 358	31 786
Total	1 074 959	1 591 586	1 524 289	1 446 988	1 420 214

Country groups and economic blocks:

ACP	291 668	503 670	515 859	555 746	543 466
ASEAN	75 779	37 407	39 726	44 753	34 238
BRICS	424 730	593 349	567 031	536 390	507 974
CPE	176 000	155 730	148 000	109 300	121 500
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	86 504	65 000	60 000	50 000	45 000
MERCOSUR	21 154	23 659	22 647	22 000	22 000
NAFTA	78 000	65 000	60 000	50 000	45 000
OECD	466 000	818 926	748 826	650 500	616 200
SADC	255 846	476 176	441 446	461 212	432 600

6.3.5 Mineral Fuels

Steam Coal

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	1 097 824 387	1 122 483 339	1 049 597 013	889 181 348	914 169 481
Developing C.	4 440 625 265	4 357 923 035	4 288 647 999	4 021 353 479	4 167 360 497
Least Developed C.	6 098 834	6 613 605	5 389 796	6 202 578	9 608 722
Transition C.	350 802 000	336 495 380	326 231 091	335 569 675	352 878 390
Total	5 895 350 486	5 823 515 359	5 669 865 899	5 252 307 080	5 444 017 090
Annual per capita income:					
High Income	1 307 371 431	1 341 094 012	1 054 503 189	893 427 665	918 188 166
Upper Middle Income	3 443 849 902	3 315 690 773	3 464 649 451	3 176 561 377	3 306 683 445
Lower Middle Income	1 108 911 556	1 129 661 700	1 115 614 869	1 145 591 740	1 188 594 844
Low Income	35 217 597	37 068 874	35 098 390	36 726 298	30 550 635
Total	5 895 350 486	5 823 515 359	5 669 865 899	5 252 307 080	5 444 017 090
Political stability:					
Stable	4 251 522	1 901 000	26 517 000	27 739 000	1 449 000
Fair	1 157 221 905	1 234 832 970	1 078 579 180	996 490 507	1 060 892 778
Unstable	4 647 980 024	4 548 162 330	4 534 474 680	4 182 216 768	4 354 097 014
Extreme Unstable	85 897 035	38 619 059	30 295 039	45 860 805	27 578 298
Total	5 895 350 486	5 823 515 359	5 669 865 899	5 252 307 080	5 444 017 090

Country groups and economic blocks:

ACP	260 485 045	267 645 426	260 869 666	258 676 760	263 272 989
ASEAN	541 651 513	540 232 328	505 738 472	512 953 573	515 185 579
BRICS	3 955 784 596	3 872 313 466	3 862 246 350	3 588 533 835	3 757 072 739
CPE	3 064 402 000	2 929 548 000	2 885 618 000	2 585 999 000	2 691 771 000
EC	87 365 865	82 029 262	75 877 631	67 375 007	60 957 048
EFTA	2 067 522	1 701 077	1 203 382	960 341	134 433
G7	990 583 807	804 055 800	725 995 600	575 882 900	602 293 200
MERCOSUR	6 368 148	5 492 954	4 494 811	4 315 332	3 813 152
NAFTA	782 671 353	802 349 540	722 262 620	578 022 459	605 113 817
OECD	1 117 586 784	1 143 576 064	1 063 520 809	903 628 124	927 299 270
SADC	260 202 893	267 262 023	260 503 762	257 440 974	262 641 983

Coking Coal

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	294 785 510	308 484 820	297 659 920	283 902 600	300 670 260
Developing C.	679 407 314	700 076 723	681 414 278	647 802 135	624 448 000
Least Developed C.	3 556 776	3 784 603	4 786 612	3 972 122	7 385 930
Transition C.	107 031 000	106 503 000	105 983 900	105 776 800	106 901 900
Total	1 084 780 600	1 118 849 146	1 089 844 710	1 041 453 657	1 039 406 090
Annual per capita income:					
High Income	369 185 510	384 784 820	297 659 920	283 902 600	300 670 260
Upper Middle Income	625 864 314	656 794 723	705 154 278	661 620 135	657 890 000
Lower Middle Income	85 658 000	73 043 000	81 793 900	91 507 800	72 993 900
Low Income	4 072 776	4 226 603	5 236 612	4 423 122	7 851 930
Total	1 084 780 600	1 118 849 146	1 089 844 710	1 041 453 657	1 039 406 090
Political stability:					
Stable	2 152 000	1 760 000	28 674 000	26 187 000	1 173 000
Fair	299 566 510	330 795 820	281 598 920	293 181 600	340 738 260
Unstable	778 169 090	773 996 326	772 740 890	714 881 257	691 585 930
Extreme Unstable	4 893 000	12 297 000	6 830 900	7 203 800	5 908 900
Total	1 084 780 600	1 118 849 146	1 089 844 710	1 041 453 657	1 039 406 090
Country groups and economic blocks:					
ACP	7 426 776	7 750 603	8 484 612	8 165 122	12 267 930
ASEAN	2 244 000	3 300 000	2 230 000	3 340 000	1 840 000
BRICS	735 266 000	757 034 000	740 082 000	696 220 000	670 341 000
CPE	607 627 000	625 929 000	605 660 000	567 015 000	565 351 000
EC	21 219 310	21 212 820	20 408 920	18 277 600	17 210 260
EFTA	0	0	0	0	0
G7	190 855 700	109 731 100	88 530 100	77 246 900	94 584 360
MERCOSUR	0	0	0	0	0
NAFTA	114 136 314	107 778 600	87 301 408	80 703 135	96 853 000
OECD	297 818 824	311 907 420	300 866 328	290 148 735	305 911 260
SADC	7 426 776	7 750 603	8 484 612	8 165 122	12 267 930

Lignite

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	567 989 499	543 973 799	543 510 725	509 269 454	514 959 818
Developing C.	136 166 597	137 242 501	123 806 554	144 051 818	146 179 721
Least Developed C.	445 925	76 320	4 518 068	13 330 121	13 529 492
Transition C.	152 031 834	137 585 107	150 125 874	151 837 142	154 217 789
Total	856 633 855	818 877 727	821 961 221	818 488 535	828 886 820
Annual per capita income:					
High Income	578 773 499	557 873 699	482 080 625	454 855 254	454 620 018
Upper Middle Income	213 403 038	199 958 911	271 952 534	284 279 912	294 642 943
Lower Middle Income	64 415 318	61 045 117	67 928 062	79 353 369	79 623 859
Low Income	42 000	0	0	0	0
Total	856 633 855	818 877 727	821 961 221	818 488 535	828 886 820
Political stability:					
Stable	290 400	316 692	10 583 086	10 275 035	319 487
Fair	520 625 559	543 191 836	535 916 578	531 693 577	544 231 223
Unstable	317 607 133	275 369 199	219 111 857	204 828 923	208 941 110
Extreme Unstable	18 110 763	0	56 349 700	71 691 000	75 395 000
Total	856 633 855	818 877 727	821 961 221	818 488 535	828 886 820
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	18 556 688	18 058 042	19 668 617	30 308 722	29 788 129
BRICS	121 609 734	120 587 779	120 151 305	122 210 217	122 643 084
CPE	6 330 000	6 073 000	5 755 000	6 672 000	6 783 000
EC	415 668 199	402 276 407	403 285 139	372 829 019	386 737 831
EFTA	0	0	0	0	0
G7	335 725 900	258 835 700	252 605 500	246 206 750	241 927 200
MERCOSUR	3 638 734	3 417 779	2 709 305	3 480 217	1 488 084
NAFTA	79 030 900	80 680 700	74 540 500	74 654 400	70 641 500
OECD	578 442 299	550 473 699	538 430 325	526 546 254	530 015 018
SADC	0	0	0	0	0

Natural Gas

	2013 Mio m ³	2014 Mio m ³	2015 Mio m ³	2016 Mio m ³	2017 Mio m ³
Development status:					
Developed C.	1 181 487	1 225 416	1 264 398	1 273 443	1 314 894
Developing C.	1 390 875	1 420 223	1 447 096	1 469 954	1 515 390
Least Developed C.	58 898	64 189	61 056	63 712	65 690
Transition C.	860 639	847 311	842 878	832 054	881 241
Total	3 491 899	3 557 139	3 615 428	3 639 163	3 777 215

Annual per capita income:

High Income	2 283 410	2 367 651	1 702 577	1 716 077	1 805 752
Upper Middle Income	786 851	759 945	1 481 200	1 504 636	1 544 337
Lower Middle Income	379 781	423 733	425 379	411 736	416 377
Low Income	41 857	5 810	6 272	6 714	10 749
Total	3 491 899	3 557 139	3 615 428	3 639 163	3 777 215

Political stability:

Stable	114 652	18 134	158 871	161 650	4 759
Fair	1 569 610	1 728 029	1 526 437	1 563 595	1 769 987
Unstable	1 548 703	1 623 051	1 746 194	1 705 667	1 814 065
Extreme Un stable	258 934	187 925	183 926	208 251	188 404
Total	3 491 899	3 557 139	3 615 428	3 639 163	3 777 215

Country groups and economic blocks:

ACP	98 161	107 470	116 177	110 542	115 248
ASEAN	222 975	227 900	224 047	225 200	224 238
BRICS	848 277	831 311	828 533	835 906	901 041
CPE	131 675	141 567	146 515	148 660	158 952
EC	166 206	150 187	135 065	133 685	128 250
EFTA	108 746	108 824	117 117	116 766	124 157
G7	1 558 154	942 270	980 074	968 676	990 818
MERCOSUR	91 318	94 156	100 122	104 137	105 843
NAFTA	875 935	928 832	960 995	944 167	962 665
OECD	1 215 397	1 258 430	1 293 393	1 297 960	1 335 123
SADC	7 102	7 449	8 185	9 045	10 291

Petroleum

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	795 446 847	887 300 433	939 955 674	918 581 654	959 035 677
Developing C.	2 462 815 423	2 455 357 244	2 541 876 935	2 579 047 754	2 541 699 770
Least Developed C.	128 579 230	125 756 070	125 181 860	116 942 910	113 837 750
Transition C.	670 420 817	671 334 708	676 854 990	687 367 984	692 434 112
Total	4 057 262 317	4 139 748 455	4 283 869 459	4 301 940 302	4 307 007 309

Annual per capita income:

High Income	2 317 016 124	2 581 261 641	1 960 654 133	1 971 138 284	1 990 912 762
Upper Middle Income	1 431 268 446	1 265 133 151	2 018 813 370	1 962 110 324	1 947 708 564
Lower Middle Income	300 925 717	278 686 693	289 192 596	355 463 924	351 702 801
Low Income	8 052 030	14 666 970	15 209 360	13 227 770	16 683 182
Total	4 057 262 317	4 139 748 455	4 283 869 459	4 301 940 302	4 307 007 309

Political stability:

Stable	86 857 158	8 983 092	195 061 600	195 727 150	1 404 490
Fair	1 277 430 825	1 493 672 850	1 155 274 584	1 204 935 938	1 445 105 481
Unstable	2 257 481 571	2 290 668 828	2 551 442 240	2 510 591 191	2 442 032 568
Extreme Unstable	435 492 763	346 423 685	382 091 035	390 686 023	418 464 770
Total	4 057 262 317	4 139 748 455	4 283 869 459	4 301 940 302	4 307 007 309

Country groups and economic blocks:

ACP	269 516 271	256 241 681	274 923 687	250 047 266	253 786 580
ASEAN	106 273 293	106 294 240	110 846 820	112 151 470	107 051 790
BRICS	876 330 354	892 442 203	910 935 878	913 183 536	910 016 145
CPE	230 220 700	232 736 400	237 306 800	220 659 500	210 464 000
EC	68 212 787	67 092 533	71 586 064	70 548 974	69 206 307
EFTA	84 299 800	86 345 500	88 922 900	91 439 900	89 769 200
G7	1 195 025 619	760 289 779	813 432 283	792 493 918	836 086 796
MERCOSUR	269 916 000	281 816 300	287 678 900	278 750 800	268 228 800
NAFTA	762 263 090	846 922 040	885 397 090	857 662 920	890 666 400
OECD	934 619 211	1 021 905 246	1 064 903 966	1 037 210 722	1 066 454 926
SADC	87 731 084	85 374 073	90 716 638	86 324 846	83 191 785

Oil Sands (part of Petroleum)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	96 561 400	107 547 300	117 897 700	120 401 300	132 970 300
Developing C.	29 880 000	30 100 000	29 980 000	29 000 000	25 000 000
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	126 441 400	137 647 300	147 877 700	149 401 300	157 970 300
Annual per capita income:					
High Income	96 561 400	137 647 300	117 897 700	120 401 300	132 970 300
Upper Middle Income	29 880 000	0	29 980 000	29 000 000	25 000 000
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	126 441 400	137 647 300	147 877 700	149 401 300	157 970 300
Political stability:					
Stable	0	0	117 897 700	120 401 300	0
Fair	96 561 400	107 547 300	0	0	132 970 300
Unstable	29 880 000	30 100 000	29 980 000	29 000 000	25 000 000
Extreme Unstable	0	0	0	0	0
Total	126 441 400	137 647 300	147 877 700	149 401 300	157 970 300

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
G7	96 561 400	107 547 300	117 897 700	120 401 300	132 970 300
MERCOSUR	29 880 000	30 100 000	29 980 000	29 000 000	25 000 000
NAFTA	96 561 400	107 547 300	117 897 700	120 401 300	132 970 300
OECD	96 561 400	107 547 300	117 897 700	120 401 300	132 970 300
SADC	0	0	0	0	0

Oil Shales

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073
Developing C.	0	0	0	0	0
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073
Annual per capita income:					
High Income	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073
Upper Middle Income	0	0	0	0	0
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073
Political stability:					
Stable	173	203	0	0	0
Fair	20 954 580	21 503 693	20 086 538	16 256 946	22 108 973
Unstable	420 900	395 600	420 100	425 100	449 100
Extreme Unstable	0	0	0	0	0
Total	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073
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	20 954 753	21 503 896	20 086 538	16 258 946	22 108 973
EFTA	0	0	0	0	0
G7	443 580	508 693	470 470	494 777	483 803
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073
SADC	0	0	0	0	0

Uranium (U₃O₈)

	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t
Development status:					
Developed C.	21 054	20 095	24 094	25 604	20 894
Developing C.	8 027	6 850	6 465	7 171	8 057
Least Developed C.	6 329	5 336	4 852	4 101	4 066
Transition C.	35 226	35 548	36 930	37 931	36 009
Total	70 636	67 829	72 341	74 807	69 026
Annual per capita income:					
High Income	24 657	23 530	24 003	25 545	20 894
Upper Middle Income	34 134	33 354	37 723	39 379	38 531
Lower Middle Income	5 516	5 609	5 763	5 782	5 535
Low Income	6 329	5 336	4 852	4 101	4 066
Total	70 636	67 829	72 341	74 807	69 026
Political stability:					
Stable	0	0	15 659	16 666	0
Fair	25 932	51 289	11 908	42 359	53 458
Unstable	39 662	15 395	43 565	14 544	10 463
Extreme Unstable	5 042	1 145	1 209	1 238	5 105
Total	70 636	67 829	72 341	74 807	69 026
Country groups and economic blocks:					
ACP	11 833	9 843	8 853	8 859	9 351
ASEAN	0	0	0	0	0
BRICS	6 798	6 484	6 541	6 353	6 463
CPE	1 769	1 769	1 906	1 906	2 223
EC	400	329	251	263	106
EFTA	0	0	0	0	0
G7	16 845	13 795	17 177	18 042	14 526
MERCOSUR	234	67	51	0	0
NAFTA	13 116	13 752	17 175	17 989	14 486
OECD	20 960	20 004	24 003	25 545	20 894
SADC	6 839	4 942	4 001	4 758	5 285

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

6.4.1 Iron and Ferro-Alloy Metals

Iron (Fe-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	594 000	492 010	509 800	328 300	268 400	1e
Argentina	298 190	224 840	206 060	107 280	28 400	1n
Australia	377 760 029	457 409 154	500 993 637	531 075 350	548 297 062	1e
Austria	743 463	779 736	890 665	888 723	954 156	1e
Azerbaijan	59 388	38 390	53 590	10 710	0	1e
Bhutan	13 100	12 200	27 650	17 960	21 100	1e
Bolivia	1 550	10 690	14 180	1 710	22 230	1e
Bosnia-Herzegovina	1 492 840	1 499 950	1 082 630	893 420	827 170	1e
Brazil	245 667 800	244 754 400	253 660 900	268 183 617	273 695 000	1e
Canada	25 658 400	26 335 400	28 194 100	28 505 600	26 709 500	1e
Chile	9 088 000	9 427 640	9 147 839	9 008 873	9 549 327	1e
China	391 773 000	404 379 000	371 250 000	345 841 000	331 931 000	1e
Colombia	319 520	304 280	405 780	322 060	320 630	1e
Egypt	192 000	639 900	763 700	186 300	200 000	2n
Germany	59 900	66 900	71 900	74 500	75 100	1e
Guatemala	330	850	7 310	8 210	2 670	1e
India	101 962 610	80 404 800	98 687 200	119 761 900	124 592 100	1e
Indonesia	12 294 300	3 273 300	2 111 200	2 300 000	700 000	2n
Iran	25 329 500	25 709 416	25 797 898	21 623 000	21 884 000	1a
Kazakhstan	16 398 330	15 965 110	11 122 150	10 632 570	11 705 660	1e
Kenya	93 000	0	0	0	0	1e
Korea, North	865 000	963 600	579 300	600 000	630 000	2e
Korea, South	397 830	415 960	267 190	266 810	186 330	1e
Laos	560 950	680 840	140 850	69 040	150 000	1e
Liberia	2 474 000	2 952 800	2 717 700	843 100	1 160 500	1e
Malawi			0	2 280	3 000	1e
Malaysia	7 644 580	6 057 650	1 015 450	1 206 130	2 439 130	1e
Mauritania	8 491 300	8 648 800	7 544 600	8 624 200	7 678 500	1e
Mexico	11 303 740	9 976 750	8 077 160	7 253 810	7 027 520	1e
Mongolia	3 366 270	5 745 880	3 704 040	3 407 480	4 309 030	1e
Morocco	108 400	8 250	6 430	5 510	36 120	1a
Namibia		0	2 680	5 680	1 640	1e
New Zealand	1 830 850	1 882 310	1 852 360	2 027 560	2 020 000	2n
Nigeria	21 000	20 000	20 000	700	0	1e
Norway	2 181 300	2 466 600	2 252 200	1 425 000	992 700	1e
Pakistan	156 600	74 890	124 990	164 220	190 630	1a
Peru	4 542 850	4 890 960	4 978 150	5 210 920	5 988 390	1e
Philippines	634 000	92 300	64 300	10 300	0	1e
Russia	60 885 000	58 465 000	58 465 000	58 630 000	59 400 000	1e
Saudi Arabia	231 800	243 400	241 900	254 200	266 800	1e
Sierra Leone	6 172 710	10 259 610	1 521 830	3 814 410	3 194 930	1e
South Africa	46 569 090	52 493 570	47 323 600	43 196 310	48 657 340	1e
Sudan	118 790	16 300	0	0	0	1e

Swaziland	629 280	301 630	0	0	0	1e
Sweden	17 462 400	18 035 840	15 886 720	17 216 000	17 408 000	1e
Thailand	241 560	215 710	10 220	0	85	1a
Tunisia	132 100	179 200	153 700	159 500	152 100	2e
Turkey	5 239 500	7 251 200	4 734 200	4 353 700	6 095 400	1a
Uganda	1 369	25 175	5 400	1 280	1 390	1e
Ukraine	45 056 000	43 712 000	42 817 200	40 240 600	38 767 600	1e
United States	33 264 000	35 343 000	29 043 000	26 334 000	29 988 000	1e
Uruguay	9 978	15 050	11 520	1 040	1 010	1e
Venezuela	7 278 800	7 318 100	7 615 100	5 070 000	4 615 000	1n
Vietnam	1 497 180	1 631 400	1 614 600	1 833 600	3 044 400	3e
Total	1 479 167 477	1 552 111 741	1 547 789 579	1 571 998 463	1 596 189 050	

Chromium (Cr₂O₃ - Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Afghanistan	2 500	2 200	2 500	2 000	2 000	2n
Albania	228 900	309 900	284 100	317 500	317 600	1e
Australia	94 200	10 519	0	0	0	1e
Brazil	189 521	244 622	179 100	200 000	200 000	2n
China	50 400	14 400	17 600	12 200	12 000	1e
Cuba	9 000	6 600	13 500	12 000	14 400	1e
Finland	434 000	441 300	457 100	469 140	416 285	1e
India	1 324 000	995 500	1 335 560	1 728 270	1 601 200	1e
Iran	191 100	157 953	142 810	162 100	92 850	1a
Kazakhstan	2 008 400	2 143 900	1 992 400	1 989 500	2 193 500	1e
Kosovo	800	1 000	0	0	0	1e
Madagascar	57 420	60 750	72 620	52 800	102 000	1e
Oman	317 000	300 480	179 680	232 820	181 090	1e
Pakistan	54 580	34 230	40 700	27 730	42 100	1a
Papua New Guinea	40 500	42 570	45 000	23 400	34 470	1n
Philippines	14 110	18 820	6 200	10 300	8 340	1e
Russia	147 200	214 200	226 400	209 300	234 000	1e
South Africa	6 023 450	5 977 600	6 660 500	6 254 600	7 039 300	1e
Sudan	14 820	29 440	7 270	1 850	5 560	1e
Turkey	1 865 900	1 806 600	1 464 330	1 070 030	1 779 900	1a
Vietnam	800	1 600	0	0	0	2n
Zimbabwe	159 814	183 790	93 750	128 220	309 980	1e
Total	13 228 415	12 997 974	13 221 120	12 903 760	14 586 575	

Cobalt

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	6 855	6 252	5 930	5 183	5 034	1e
Botswana	248	196	316	281	0	1e
Brazil	3 239	3 865	2 771	853	28	1e
Canada	7 168	6 574	6 904	7 148	6 503	1e
China	8 580	9 619	10 093	9 293	9 000	2q
Congo, D.R.	76 593	76 475	84 400	69 038	82 461	1e
Cuba	4 000	4 000	4 793	5 514	5 407	1q
Finland	2 061	2 104	2 119	2 260	2 300	2e

Indonesia	4 700	329	350	350	350	2q
Madagascar	2 340	3 221	3 920	3 654	2 967	1n
Morocco	1 378	1 391	1 722	2 081	1 924	1n
New Caledonia	3 080	4 040	3 960	5 720	5 080	1e
Papua New Guinea	1 013	2 134	2 505	2 187	3 307	1n
Philippines	2 126	4 094	3 900	3 500	3 700	1n
Russia	2 368	2 302	2 100	3 092	2 077	1q
South Africa	1 294	1 332	1 362	1 101	1 062	1e
Uganda	181	0	0	0	0	1e
United States	0	120	760	690	640	1e
Vietnam	0	223	277	134	0	1n
Zambia	5 658	4 562	2 979	5 276	3 240	1e
Zimbabwe	319	358	355	409	445	1e
Total	133 201	133 191	141 516	127 764	135 525	

Manganese

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	2 975 678	3 454 430	3 250 300	2 388 500	2 774 560	1n
Bosnia-Herzegovina	2 330	14 176	3 200	1 000	0	2n
Brazil	1 180 000	1 094 000	1 226 458	1 198 709	1 200 000	2n
Bulgaria	28 650	25 830	13 470	12 050	574	1a
China	3 730 000	3 310 000	2 484 000	2 150 000	2 508 000	1n
Cote d'Ivoire	110 480	162 900	118 430	102 320	232 030	1e
Egypt	12 500	12 000	12 000	5 000	0	2n
Gabon	1 955 300	1 872 100	1 973 000	1 658 500	2 369 900	1n
Georgia	88 000	83 600	66 000	48 400	90 000	2n
Ghana	701 110	473 720	451 020	706 390	1 051 250	1e
Hungary	9 370	13 650	15 330	4 840	0	1a
India	886 550	780 210	728 970	801 020	867 400	1e
Indonesia	2 000	3 700	27 000	27 000	27 000	2n
Iran	70 156	56 628	69 760	33 110	33 915	1a
Kazakhstan	575 800	527 000	328 400	323 300	294 900	1e
Kenya				0	2 700	1e
Malaysia	540 060	401 010	247 340	336 340	340 000	2n
Mexico	211 559	235 686	217 466	205 645	211 510	1e
Morocco	55 500	45 640	35 850	34 170	49 500	1a
Myanmar	157 600	96 800	28 000	116 000	136 600	2n
Namibia	58 000	32 000	10 110	5 050	9 820	1e
Nigeria	0	70	510	20 330	13 550	1e
Oman	12 850	9 380	3 950	3 660	3 400	1e
Peru			0	1 194	1 133	1e
Romania	1 390	4 880	4 200	1 550	5 660	1e
Russia	5 000	0	0	0	0	1e
Senegal	230	2 120	3 000	0	0	1e
South Africa	4 821 140	5 341 400	4 186 600	4 028 100	5 323 500	1e
Sudan	1 300	8 000	12 560	3 920	4 000	2n
Thailand	6 874	6 880	4 320	4 390	3 850	1a
Turkey	68 800	52 500	30 500	16 400	27 300	1a
Ukraine	474 500	565 800	546 600	491 500	650 500	1e
Vietnam	51 600	50 000	50 000	29 000	28 650	1e
Zambia	21 760	22 000	5 000	27 500	50 000	1e
Total	18 816 087	18 758 110	16 153 344	14 784 888	18 311 202	

Molybdenum

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	1 915	954	869	479	651	1n
Armenia	5 723	5 796	5 131	5 771	5 038	1e
Australia	0	28	0	0	0	1e
Canada	7 956	9 358	2 505	2 783	5 385	1e
Chile	38 715	48 770	52 579	55 647	62 746	1e
China	124 470	131 500	135 150	112 590	117 090	1e
Iran	3 471	3 494	3 337	3 340	4 280	1a
Kazakhstan	0	0	430	1 941	35	1n
Korea, North	270	250	370	440	340	2e
Korea, South	453	490	258	0	0	1e
Mexico	12 562	14 370	11 327	11 896	13 985	1e
Mongolia	1 819	1 999	2 557	2 432	2 640	1e
Norway	8	2	1	1	0	1e
Peru	18 140	17 018	20 153	25 757	28 141	1e
Russia	3 605	3 114	3 254	3 359	2 806	1e
Turkey	620	0	1 335	0	900	1a
United States	61 000	68 200	47 400	35 800	44 600	1e
Uzbekistan	490	450	570	620	700	1n
Total	281 217	305 793	287 226	262 856	289 337	

Nickel

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Albania	2 020	5 350	7 460	4 400	2 400	1n
Australia	292 619	266 181	225 227	203 135	178 853	1e
Botswana	22 848	14 958	16 789	16 878	0	1e
Brazil	77 400	85 600	89 302	78 626	87 600	1q
Canada	227 743	228 867	234 519	235 034	211 166	1e
China	95 000	100 000	92 900	89 890	94 890	1e
Colombia	49 320	41 222	36 671	37 092	40 606	1e
Cote d'Ivoire				0	7 000	1e
Cuba	53 000	50 100	50 000	48 000	48 500	2n
Dominican Republic	9 355	0	0	9 913	15 632	1e
Finland	18 560	19 281	9 383	20 654	34 641	1e
Greece	19 990	21 440	21 060	22 030	21 090	1a
Guatemala	9 200	57 700	38 500	36 900	54 500	1e
Indonesia	834 200	215 000	129 600	198 900	363 000	1e
Kosovo	7 610	6 720	6 650	4 310	7 120	1e
Macedonia	21 133	0	0	0	0	1e
Madagascar	26 908	37 046	45 075	42 024	34 123	1n
Morocco	160	0	0	0	196	1a
Myanmar	6 100	21 000	26 400	25 000	29 250	1n
New Caledonia	164 406	175 174	193 199	204 207	215 382	1e
Norway	300	290	300	230	190	2e
Papua New Guinea	11 369	20 988	25 582	22 234	34 664	1n
Philippines	313 050	443 909	466 754	348 877	365 981	1e
Poland	570	780	840	770	720	1e
Russia	264 000	264 000	261 000	223 000	221 000	1q
South Africa	51 208	54 956	56 689	48 994	48 383	1e
Spain	7 564	8 652	7 208	0	0	1a
Turkey	1 080	3 030	8 640	9 340	14 770	1a

United States		4 300	27 200	24 100	22 100	1e
Venezuela	5 800	3 599	3 707	0	0	1q
Vietnam	1 166	6 854	8 607	4 272	0	1n
Zimbabwe	12 962	16 633	16 109	17 743	16 617	1e
Total	2 606 641	2 173 630	2 105 371	1 976 553	2 170 374	

Niobium (Nb₂O₅-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Brazil	76 899	88 771	84 189	72 602	73 000	2n
Burundi	11	25	13	8	18	1e
Canada	4 916	5 774	5 385	6 099	6 981	1e
China	15	20	30	30	30	2n
Congo, D.R.	230	376	694	797	717	1e
Ethiopia	14	25	20	28	25	1e
Mozambique	6	9	5	7	10	1e
Nigeria	30	30	29	26	30	2n
Russia	511	581	628	628	648	1n
Rwanda	370	345	248	190	260	1e
Uganda			0	4	3	1e
Total	83 002	95 956	91 241	80 419	81 722	

Tantalum (Ta₂O₅-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	0	0	20	10	100	1e
Bolivia	14	7	1	0	3	1e
Brazil	185	118	120	103	100	2n
Burundi	16	37	19	11	26	1e
Canada	40	0	0	0	0	1e
China	60	75	110	120	110	2n
Congo, D.R.	244	399	736	845	761	1e
Ethiopia	29	90	75	101	90	1e
Malaysia	19	26	9	8	6	1e
Mozambique	35	50	28	41	57	1e
Nigeria	75	75	72	66	75	2n
Russia	32	40	32	49	45	1n
Rwanda	567	530	380	290	395	1e
Total	1 316	1 447	1 602	1 644	1 768	

Titanium (TiO₂-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	1 107 600	997 000	1 053 300	1 070 000	993 000	1e
Brazil	44 970	46 445	45 330	46 000	48 000	2n
Canada	832 000	771 000	595 000	700 000	750 000	2n
China	1 020 000	1 118 700	1 067 200	1 196 000	1 242 000	1n
India	409 900	368 600	302 900	341 400	200 100	2n
Iran	36 710	7 000	38 290	3 340	30 630	1n
Kazakhstan	30 000	20 000	12 770	66 600	65 000	2n
Kenya	3 190	258 910	319 750	339 480	345 560	1e
Korea, South	126 350	132 490	112 250	91 800	122 670	1e
Madagascar	304 100	206 700	102 700	152 100	230 700	1e
Malaysia	14 510	7 400	3 590	5 990	7 300	2e
Mozambique	399 900	475 800	425 600	504 200	557 700	1n
Norway	363 500	380 010	277 340	260 000	238 200	1e
Russia	75 600	88 800	88 850	18 880	4 000	1e
Senegal	0	55 950	240 270	238 120	280 320	1n
Sierra Leone	133 887	129 040	140 420	156 570	190 480	1e
South Africa	1 130 000	1 195 000	1 050 000	950 000	1 070 000	2n
Sri Lanka	24 810	20 140	23 410	16 510	31 620	1e
Turkey	4 750	4 750	4 750	4 750	6 370	1e
Ukraine	443 100	391 150	375 480	339 800	430 800	1n
United States	155 000	142 000	110 000	55 000	66 000	1e
Vietnam	533 420	290 160	123 600	109 620	117 000	3e
Total	7 193 297	7 107 045	6 512 800	6 666 160	7 027 450	

Tungsten (W-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	320	477	348	108	5	2n
Austria	850	819	861	954	975	1e
Bolivia	1 253	1 251	1 461	1 109	1 015	1e
Brazil	494	510	432	400	400	2n
Burundi	39	27	11	77	144	1e
Canada	2 392	2 147	1 815	0	0	1e
China	71 400	67 700	72 200	70 600	71 800	1e
Colombia	0	7	3	2	0	1e
Congo, D.R.	59	13	55	79	130	1e
Korea, North	85	70	72	50	310	2e
Korea, South	0	12	8	14	0	1e
Kyrgyzstan	100	0	80	0	0	1a
Mongolia	249	765	877	755	523	1e
Myanmar	200	100	250	170	330	1n
Peru	28	61	110	154	0	1e
Portugal	692	671	474	549	669	1a
Russia	2 973	2 659	2 642	2 672	2 094	1e
Rwanda	1 319	1 288	1 060	1 020	905	1e
Spain	487	822	835	699	564	3a
Thailand	130	90	31	29	43	1a

Uganda	57	63	36	41	62	1e
United Kingdom		0	155	732	1 086	1n
Uzbekistan	98	83	110	80	103	1e
Vietnam	1 660	3 510	4 063	5 041	5 141	1n
Total	84 885	83 145	87 989	85 335	86 299	

Vanadium (V₂O₅-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	407	0	0	0	0	1e
Brazil	0	1 032	5 810	7 966	9 297	1n
China	44 800	44 800	42 000	45 000	48 500	1e
Kazakhstan	1 000	1 000	1 000	0	0	2n
Russia	14 403	15 125	16 196	16 886	18 636	1n
South Africa	21 397	21 582	17 455	15 877	14 222	1e
United States	591	0	0	0	0	1e
Total	82 598	83 539	82 461	85 729	90 655	

6.4.2 Non-Ferrous Metals

Aluminium

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	440 176	441 893	428 206	424 785	428 238	1e
Australia	1 777 409	1 704 991	1 645 963	1 633 904	1 487 555	1e
Azerbaijan	53 900	50 400	53 300	36 800	28 500	1e
Bahrain	912 700	931 427	960 643	971 420	981 016	1e
Bosnia-Herzegovina	157 082	131 238	118 253	106 649	126 715	1e
Brazil	1 304 300	962 000	772 200	792 700	801 700	1e
Cameroon	75 000	93 000	65 000	65 300	60 000	1n
Canada	2 969 348	2 858 237	2 880 037	3 208 888	3 212 124	1e
China	26 534 000	28 316 700	31 518 000	31 775 400	33 329 580	1e
Egypt	325 300	304 200	338 000	314 600	279 100	1q
France	343 000	381 000	415 000	424 640	426 730	1n
Germany	492 368	530 700	541 400	546 800	550 000	1e
Ghana	36 600	38 100	33 800	33 010	40 500	1q
Greece	169 457	173 164	179 420	181 680	181 700	1a
Iceland	757 615	755 510	769 005	756 170	794 830	1n
India	1 667 300	2 026 803	2 354 949	2 896 629	3 400 618	1e
Indonesia	256 602	264 474	257 149	245 483	218 816	1n
Iran	299 448	286 514	353 000	341 000	337 608	1e
Japan	3 000	500	0	0	0	1e
Kazakhstan	250 200	207 850	219 000	235 566	254 000	1e
Malaysia	290 000	440 000	440 000	620 000	760 000	1n
Montenegro	47 951	42 767	42 499	38 915	39 379	1e
Mozambique	564 000	566 880	558 390	571 125	577 495	1n
Netherlands	81 000	800	28 200	36 300	30 900	1q
New Zealand	324 835	328 269	335 292	338 556	337 016	1e

Nigeria	2 000	0	0	0	0	1n
Norway	1 172 900	1 182 000	1 227 787	1 247 000	1 253 000	1n
Oman	354 000	364 000	377 186	386 395	252 714	1n
Qatar	606 000	612 000	610 000	612 000	620 000	1n
Romania	250 157	263 098	271 356	272 507	282 074	1n
Russia	3 724 000	3 488 000	3 529 000	3 561 000	3 583 000	1n
Saudi Arabia	187 000	662 000	839 000	871 000	762 068	1e
Slovakia	163 296	167 667	171 328	173 643	173 492	1n
Slovenia	84 035	84 361	83 775	84 365	84 424	1n
South Africa	822 000	745 000	695 000	701 000	716 000	1n
Spain	250 000	230 000	360 000	360 000	360 000	2q
Sweden	131 000	113 000	116 000	124 000	123 000	1n
Tajikistan	216 369	121 261	139 123	129 300	103 000	1e
Turkey	42 200	30 400	45 900	50 000	82 000	1a
United Arab Emirates	1 845 000	2 296 000	2 397 000	2 471 000	2 533 000	1n
United Kingdom	45 000	41 000	48 000	46 000	48 000	1n
United States	1 947 854	1 709 668	1 586 518	818 430	740 884	1e
Venezuela	171 200	138 400	119 511	145 000	136 000	1n
Total	52 146 602	54 085 272	57 923 190	58 648 960	60 536 776	

Antimony

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	3 275	3 828	4 213	4 285	3 130	1n
Bolivia	5 053	4 186	3 843	2 669	2 881	1e
Canada	177	4	1	0	0	1e
China	120 937	121 400	111 400	103 620	79 130	1e
Ecuador	0	15	40	15	260	1e
Guatemala	159	0	0	25	0	1e
Honduras	0	13	14	0	0	2n
Iran	400	432	216	2 767	620	1a
Kazakhstan	900	1 000	979	573	350	1n
Kyrgyzstan	900	1 450	1 200	1 880	1 380	1n
Laos	804	620	1 166	242	320	1e
Mexico	294	266	90	166	240	1n
Morocco	600	1 380	0	0	0	1a
Myanmar	7 200	3 360	3 000	2 000	4 500	1n
Pakistan	89	979	114	21	15	1a
Peru	500	244	250	0	0	2q
Russia	6 520	6 400	7 420	6 620	6 120	1e
South Africa	2 405	815	302	350	350	2n
Tajikistan	7 307	11 200	13 460	26 970	26 370	1e
Thailand	488	706	0	32	0	1a
Turkey	4 180	3 070	1 950	2 750	4 840	1a
Vietnam	990	1 098	220	230	245	3e
Total	163 178	162 466	149 878	155 215	130 751	

Arsenic

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Belgium	1 000	1 000	1 000	1 000	1 000	2b
Bolivia	120	52	38	38	20	1e
China	25 000	25 000	25 000	25 000	25 000	2b
Iran	110	110	110	0	400	1a
Japan	45	45	45	45	45	2b
Morocco	8 968	6 863	7 567	6 122	6 879	1a
Namibia	2 000	1 980	2 000	1 960	700	1e
Russia	1 500	1 500	1 500	1 500	1 500	2b
Total	38 743	36 550	37 260	35 665	35 544	

Bauxite (crude ore)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	81 119 175	78 630 996	80 909 261	83 517 148	89 420 589	1e
Bosnia-Herzegovina	657 115	620 308	787 409	738 609	740 384	1e
Brazil	33 896 100	36 308 000	37 057 000	39 244 200	38 122 500	1n
China	50 339 380	59 212 400	60 787 600	66 157 700	69 017 000	1q
Colombia	1 108	601	861	693	2 400	1e
Croatia	8 220	9 146	11 897	9 780	12 215	1e
Dominican Republic	929 576	1 749 308	1 724 162	7 318	0	1e
Fiji	461 000	496 616	172 336	58 050	118 540	1e
France	100 000	71 100	70 000	70 000	70 000	2e
Ghana	826 994	798 114	1 014 605	1 143 676	1 477 000	1e
Greece	1 844 000	1 872 710	1 831 660	1 847 700	1 927 150	1a
Guinea	20 349 900	20 170 000	20 692 000	31 117 323	49 731 590	1n
Guyana	1 713 242	1 563 563	1 526 467	1 479 090	1 459 223	1e
Hungary	93 700	14 400	8 300	16 710	1 300	1a
India	22 319 148	22 493 671	28 123 789	24 745 487	22 312 681	1e
Indonesia	57 023 800	2 539 274	471 867	494 722	1 733 380	1n
Iran	788 630	540 003	773 700	765 616	804 510	1a
Jamaica	9 477 133	9 676 697	9 628 818	8 540 131	8 244 628	1e
Kazakhstan	5 192 800	4 515 600	4 682 600	4 801 300	4 846 100	1e
Malaysia	219 888	3 676 876	27 900 000	6 700 000	830 000	2e
Mexico	0	0	0	96 000	0	1e
Montenegro	61 154	155 153	50 369	667 259	927 847	1e
Mozambique	6 190	3 386	4 985	1 451	3 182	1e
Pakistan	25 288	31 156	24 689	57 024	75 375	1a
Russia	5 634 000	6 056 000	5 661 000	6 095 000	6 100 000	3e
Saudi Arabia	1 978 360	2 076 000	3 022 000	4 768 000	5 006 000	1e
Sierra Leone	654 137	1 161 705	1 334 046	1 368 531	1 787 716	1n
Solomon Islands	0	40	278 400	234 500	1 559 200	1e
Suriname	2 670 700	2 707 700	1 865 100	0	0	1e
Tanzania	39 977	25 641	204	73	12	1e
Turkey	795 562	1 091 442	1 050 000	989 156	1 719 144	1a
United States	122 700	133 300	483 700	272 900	352 100	1s
Venezuela	2 341 155	2 346 160	991 810	340 000	242 000	1n
Vietnam	482 000	1 090 000	1 436 500	1 606 100	2 565 000	1n
Total	302 172 132	261 837 066	294 377 135	287 951 247	311 208 766	

Beryllium (concentrates)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Brazil		17	100	125	75	2b
China	500	500	500	1 250	1 250	2n
Madagascar	85	135	140	140	140	2b
Mozambique	103	3	312	181	53	1e
Nigeria	90	52	56	0	0	1e
Rwanda			23	30	30	2n
United States	5 910	6 900	5 100	3 870	3 700	1n
Zambia	4	4	7	5	4	1n
Total	6 692	7 611	6 238	5 601	5 252	

Bismuth

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Armenia	4	2	2	1	1	2n
Bolivia	10	11	20	43	77	1e
Canada	35	4	2	3	2	1e
China	7 500	7 750	7 250	7 100	6 800	2n
Japan	485	582	632	428	525	1e
Mexico	824	948	601	539	513	1e
Peru	588	188	0	188	123	1e
Russia	40	40	40	30	30	2n
Uzbekistan	2	2	2	0	0	2n
Vietnam		2 324	3 000	2 013	2 450	1n
Total	9 488	11 851	11 549	10 345	10 521	

Cadmium

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	111	115	107	91	96	1e
Armenia	41	43	0	0	0	2n
Brazil	200	200	200	200	180	1n
Bulgaria	411	382	344	362	333	1e
Canada	1 313	1 187	1 159	2 305	1 802	1e
China	7 496	8 201	8 162	8 100	8 200	2b
Germany	430	570	370	652	730	1e
India	228	69	0	35	47	1e
Japan	1 826	1 829	1 959	1 988	2 142	1e
Kazakhstan	1 319	1 633	1 459	2 682	2 690	2n
Korea, North	200	200	200	200	200	2q
Korea, South	3 904	4 300	3 620	4 595	4 960	1b
Mexico	1 451	1 409	1 283	1 244	1 142	1e
Netherlands	560	600	620	620	620	2q
Norway	310	320	310	335	416	1e
Peru	695	769	757	820	797	1e
Poland	460	628	383	200	130	1e

Russia	900	1 000	1 186	1 100	1 200	2n
United States	600	550	500	400	400	2n
Uzbekistan	0	60	707	290	306	1e
Total	22 455	24 065	23 326	26 219	26 391	

Copper

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Albania	5 920	3 690	2 190	2 020	0	1e
Argentina	109 631	97 556	61 765	81 902	33 303	1e
Armenia	44 797	46 849	51 765	95 080	95 793	1e
Australia	1 000 999	978 534	995 881	947 555	859 811	1e
Azerbaijan	327	784	969	1 947	2 063	1e
Bolivia	7 549	10 746	9 479	8 718	7 219	1e
Botswana	51 300	47 700	22 284	13 120	1 239	1e
Brazil	270 979	301 197	359 463	337 628	384 400	1q
Bulgaria	115 450	115 540	112 600	111 870	110 290	1a
Canada	652 595	672 729	714 647	695 508	605 731	1e
Chile	5 776 000	5 761 100	5 772 100	5 552 600	5 503 500	1e
China	1 715 200	1 781 000	1 706 400	1 851 000	1 656 400	1e
Colombia	640	4 118	5 463	8 493	9 356	1n
Congo, D.R.	914 631	1 030 129	1 039 007	1 023 687	1 094 638	1e
Cyprus	3 361	3 088	2 121	1 754	1 293	1a
Dominican Republic	10 379	9 262	7 324	9 725	9 618	1e
Ecuador	2 600	3 200	1 400	40 200	8 200	1e
Eritrea	21 779	88 900	61 600	25 300	7 900	1n
Finland	38 763	42 810	41 805	47 488	53 144	1e
Georgia	7 800	13 100	11 700	12 200	14 700	1e
India	32 276	24 750	34 920	32 000	33 680	1e
Indonesia	512 033	379 787	586 914	727 959	622 216	1n
Iran	222 900	216 800	254 709	282 500	295 653	1a
Kazakhstan	452 500	471 700	467 500	471 500	540 700	1e
Korea, North	6 200	14 400	15 000	20 000	15 000	2q
Korea, South			0	117	7	1e
Kyrgyzstan	0	700	3 100	8 200	8 000	1n
Laos	154 915	159 696	167 702	167 679	153 304	1n
Macedonia	10 641	10 241	11 102	10 429	8 966	1e
Mauritania	37 970	33 079	45 001	32 818	28 791	1n
Mexico	480 124	515 025	594 451	766 760	742 246	1e
Mongolia	203 800	274 600	335 850	374 260	314 920	1e
Morocco	13 020	22 360	26 850	31 810	35 420	1n
Myanmar	20 000	33 200	69 850	71 190	66 960	1n
Namibia	5 182	5 086	13 913	16 391	15 466	1e
Oman	12 050	15 140	8 650	0	0	1e
Pakistan	13 500	13 122	13 056	14 136	10 052	1n
Papua New Guinea	105 523	75 901	45 185	80 022	105 448	1n
Peru	1 375 639	1 377 642	1 700 817	2 353 859	2 445 585	1e
Philippines	90 861	91 922	83 835	83 649	68 156	1e
Poland	428 879	421 285	425 870	424 276	419 300	1n
Portugal	77 236	75 433	83 081	74 352	63 812	1a
Romania	6 700	7 680	7 710	8 390	8 160	1n
Russia	655 000	691 500	711 400	702 300	705 400	1e
Saudi Arabia	5 440	11 570	12 340	27 840	59 870	1a
Serbia	32 609	31 584	31 601	34 625	45 115	1a
Slovakia	40	46	58	39	32	1a
South Africa	80 821	78 697	77 360	65 257	65 503	1e

Spain	102 977	104 476	129 788	172 522	204 606	3a
Sweden	82 904	79 681	75 113	79 247	104 594	1e
Tajikistan	600	940	1 390	2 050	6 060	1n
Tanzania	15 400	16 400	16 800	17 400	15 800	2q
Turkey	120 500	96 300	108 000	107 300	85 200	2e
United States	1 278 200	1 360 000	1 380 000	1 430 000	1 260 000	1e
Uzbekistan	98 000	99 500	100 000	100 000	100 000	2n
Vietnam	14 188	21 762	24 420	22 300	21 100	1n
Zambia	763 805	708 259	711 515	774 290	797 266	1e
Zimbabwe	8 285	8 261	8 218	9 101	8 839	1e
Total	18 271 418	18 560 557	19 363 032	20 464 363	19 939 825	

Gallium

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
China	128	262	254	171	290	1e
Germany	38	16	11	4	0	1e
Hungary	2	2	0	0	0	1a
Japan	8	8	5	3	3	2n
Korea, South	2	1	2	3	3	1e
Russia	6	4	4	4	5	2n
Ukraine	11	10	9	9	9	2n
Total	195	303	285	194	310	

Germanium

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
China	89	95	114	110	87	1e
Finland	17	17	13	0	0	1e
Japan	2	2	2	2	2	2n
Russia	5	6	6	6	6	2n
Ukraine	1	1	1	1	1	2n
United States	3	3	3	3	2	2n
Total	117	124	139	122	98	

Indium

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Belgium	30	25	20	20	20	2b
Brazil	5	5	5	5	5	2n
Canada	65	67	70	71	70	2b
China	407	437	387	357	355	1e
France	33	43	41	0	30	1n
Germany	10	10	10	10	10	2n
Italy	5	5	5	5	5	2n

Japan	70	70	70	70	70	2b
Korea, South	150	150	195	210	215	1b
Netherlands	5	5	0	0	0	2n
Peru	11	14	9	5	5	2n
Russia	33	43	40	5	5	1n
Total	824	874	852	758	790	

Lead

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	28 673	29 911	29 834	28 016	40 135	1e
Australia	711 210	727 954	653 488	441 338	459 487	1e
Bolivia	82 131	75 572	75 273	89 906	113 286	1e
Bosnia-Herzegovina	5 850	6 190	6 660	6 600	6 740	1n
Brazil	8 020	10 978	9 441	9 015	6 959	1n
Bulgaria	16 940	17 020	18 370	22 040	22 860	1a
Burkina Faso	1 017	1 880	1 000	0	0	1n
Canada	20 678	3 617	3 809	12 653	14 100	2e
Chile	1 829	2 678	2 979	1 110	1 562	1e
China	2 696 500	2 608 600	2 339 000	2 227 500	2 442 700	1e
Congo, D.R.	621	764	653	101	0	1e
Cuba				0	1 500	1e
Greece	14 211	13 016	10 074	11 283	8 746	1n
Guatemala	818	10 359	10 153	10 000	4 200	1n
Honduras	11 600	15 500	9 800	4 000	6 761	1n
India	109 810	111 370	143 710	147 100	168 150	1e
Indonesia	6 200	4 690	5 470	5 280	7 635	1n
Iran	42 000	44 000	40 800	47 000	48 000	2q
Ireland	42 950	40 500	31 300	19 600	17 100	1a
Kazakhstan	40 100	37 800	40 700	70 500	111 200	1e
Korea, North	40 000	36 100	32 300	36 800	31 600	2e
Korea, South	2 500	2 760	2 920	2 840	3 760	1e
Kosovo	7 400	7 700	5 400	6 530	5 100	1q
Laos	1 600	100	190	510	660	1e
Macedonia	42 820	43 810	37 920	31 030	39 850	1e
Mexico	253 361	250 462	263 772	242 071	243 022	1e
Mongolia	230	520	200	4 720	7 390	1e
Montenegro	1 700	1 800	1 800	2 100	2 540	1n
Morocco	30 790	27 530	32 160	28 670	38 040	1a
Myanmar	11 700	18 000	13 600	21 600	29 800	1n
Namibia	10 800	11 700	9 700	6 800	5 805	1n
Nigeria	11 500	11 400	16 000	14 500	24 260	1e
Pakistan	120	1 195	136	1 196	3 050	1n
Peru	266 472	277 294	315 525	314 422	306 784	1e
Poland	78 980	83 150	49 000	43 060	39 000	1e
Portugal	1 496	3 191	3 077	4 126	5 164	1a
Romania	800	570	200	120	940	1e
Russia	165 000	196 000	180 000	204 300	199 000	1e
Serbia	9 130	9 690	13 610	13 610	13 890	1a
Slovakia	235	162	226	133	147	1a
South Africa	41 848	29 348	34 573	39 344	48 150	1e
Spain	2 160	1 223	1 598	4 900	3 268	3a
Sweden	59 556	70 848	79 354	75 830	71 112	1e
Tajikistan	23 107	32 400	40 130	57 360	61 090	1e
Turkey	65 630	94 900	75 900	64 300	74 990	1e

United Kingdom	36	0	0	100	100	2e
United States	339 000	378 000	370 000	346 000	313 000	1e
Uzbekistan	3 000	3 000	3 000	2 000	2 000	2q
Vietnam	1 900	2 800	1 900	800	4 500	2n
Total	5 314 029	5 358 052	5 016 705	4 722 814	5 059 133	

Lithium (Li₂O-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	5 600	7 390	10 650	12 200	12 360	1e
Australia	21 000	22 200	24 140	29 640	52 910	1n
Bolivia			0	10	120	1e
Brazil	416	452	308	533	560	1e
Chile	24 130	24 820	22 500	31 240	32 520	1e
China	4 650	4 100	4 350	4 540	4 900	2n
Portugal	237	208	204	485	782	1a
United States	1 870	2 150	1 820	1 800	1 420	1n
Zimbabwe	1 680	1 630	1 405	2 030	1 750	1e
Total	59 583	62 950	65 377	82 478	107 322	

Mercury

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	55	52	59	135	54	1e
Chile	19	20	14	2	5	1e
China	1 613	2 260	2 800	3 433	1 949	1e
Iran	10	12	14	2	3	1a
Kyrgyzstan	31	46	20	50	50	2n
Mexico	268	301	307	267	200	1e
Morocco	20	20	20	20	10	2n
Russia	50	50	50	50	50	2q
Tajikistan	130	85	96	120	100	2n
United States	15	15	15	15	15	2n
Total	2 211	2 861	3 395	4 094	2 436	

Rare Earths Concentrates (REO-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	1 268	7 191	10 916	13 872	17 264	1n
Brazil	600	0	1 625	2 200	2 000	1b
Burundi				0	31	1n
China	93 800	95 000	105 000	105 000	105 000	1e

Malaysia	261	455	565	1 880	302	1e
Russia	1 443	2 134	2 312	3 063	2 500	1n
United States	3 473	4 769	3 678	0	0	1e
Total	100 845	109 549	124 096	126 015	127 097	

Rhenium

Country	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg	Rem
Armenia	298	351	104	405	375	1e
Chile	17 364	18 057	22 535	22 542	20 451	1n
China	2 300	2 300	2 400	2 400	2 500	2n
Kazakhstan	2 500	300	3 306	3 300	3 300	2n
Poland	5 210	5 335	6 346	6 443	7 564	1e
Russia	1 500	1 500	1 500	1 500	1 500	2n
United States	7 110	8 510	7 900	8 440	8 500	1e
Uzbekistan	900	900	1 000	1 000	1 000	2b
Total	37 182	37 253	45 091	46 030	45 190	

Selenium

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Armenia	20	0	1	1	1	2n
Belgium	200	200	200	200	200	2b
Canada	138	142	156	175	49	1e
Chile	41	0	0	0	0	2b
China	1 000	720	729	772	720	1e
Finland	72	94	93	104	100	1e
Germany	700	700	660	700	710	2b
India	16	16	17	17	17	2n
Japan	741	782	773	752	792	1e
Kazakhstan	130	50	13	13	40	2e
Mexico	132	120	99	121	112	1e
Peru	50	40	40	45	50	2b
Philippines	70	70	70	90	100	2n
Poland	80	90	87	82	74	1e
Russia	150	170	180	197	194	1n
Serbia	16	17	17	18	27	1e
Sweden	40	20	30	60	90	2n
Uzbekistan	20	20	20	10	50	1e
Total	3 616	3 251	3 185	3 357	3 326	

Tellurium

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Bulgaria	5	5	4	4	5	1e
Canada	12	8	10	18	17	1e
China	150	180	277	279	470	1e
Japan	31	37	37	33	38	1e
Peru	22	9	0	0	0	2n
Russia	31	33	35	40	44	1n
Sweden	24	31	33	39	35	1e
United States	50	50	50	50	50	2n
Total	325	353	446	463	659	

Tin

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	6 472	6 898	7 158	6 635	7 402	1e
Bolivia	19 287	19 791	20 135	17 460	18 386	1e
Brazil	16 830	25 534	18 824	15 183	13 900	1e
Burundi	56	81	55	51	123	1e
China	101 200	102 100	110 200	91 610	74 800	1e
Congo, D.R.	4 162	4 012	4 567	6 503	10 391	1e
Egypt	111	48	0	0	0	1n
India	26	19	10	9	13	1e
Indonesia	92 491	75 170	70 310	62 877	68 702	1e
Laos	521	782	461	1 005	975	1e
Malaysia	3 697	3 777	4 159	4 158	4 819	1e
Mongolia	60	60	41	25	20	2e
Myanmar	19 000	35 000	58 000	61 400	67 300	1n
Nigeria	2 516	2 485	2 298	3 443	6 550	1n
Peru	23 668	23 105	19 511	18 789	17 790	1e
Portugal	84	75	42	54	81	1a
Russia	156	321	578	627	1 011	1e
Rwanda	3 524	4 270	2 770	2 560	3 430	1e
Spain	0	0	0	7	24	3a
Tanzania	170	59	134	104	68	1e
Thailand	83	98	45	58	341	1a
Uganda	19	33	135	62	66	1e
United Kingdom		0	16	144	255	1n
Vietnam	5 129	4 833	4 530	4 579	4 500	2q
Total	299 262	308 551	323 979	297 343	300 947	

Zinc

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria		0	50	330	350	2n
Argentina	39 424	28 038	30 498	22 792	23 392	1e
Armenia	9 054	8 459	7 111	4 960	6 070	1e

Australia	1 481 135	1 505 968	1 610 004	883 747	840 989	1e
Bolivia	407 332	448 970	442 154	486 955	527 206	1e
Bosnia-Herzegovina	8 160	8 180	8 840	8 840	9 180	1n
Brazil	152 147	169 766	156 926	158 197	156 348	1n
Bulgaria	13 910	13 070	16 390	18 790	19 250	1a
Burkina Faso	32 215	67 680	68 670	80 950	91 530	1e
Canada	426 545	352 125	289 584	321 272	344 294	1e
Chile	29 759	45 094	48 071	42 870	29 008	1e
China	5 187 700	5 118 400	4 748 000	4 635 000	4 300 000	1e
Congo, D.R.	12 114	12 737	12 675	12 587	12 337	1e
Congo, Rep.			0	2 000	8 000	2q
Cuba				0	2 900	1e
Dominican Republic		0	4 655	3 636	3 920	1e
Eritrea			0	40 900	95 400	1n
Finland	41 124	46 063	25 332	45 852	66 284	1e
Greece	22 512	22 953	13 174	18 866	14 211	1n
Guatemala	865	13 394	14 810	15 000	6 100	1n
Honduras	25 000	30 000	23 000	14 500	20 437	1n
India	769 930	767 180	740 740	745 980	773 830	1e
Indonesia	1 220	740	21 260	8 540	13 800	1n
Iran	130 000	150 000	168 210	176 400	196 000	1a
Ireland	326 700	282 600	236 300	147 800	130 600	1a
Kazakhstan	361 500	345 200	342 500	324 800	315 900	1e
Korea, North	36 000	32 000	32 000	64 000	20 000	2q
Korea, South	1 750	1 920	2 070	2 260	3 320	1e
Kosovo	5 000	5 500	4 000	4 800	4 500	1q
Laos	2 000	2 000	0	750	0	1e
Macedonia	30 910	31 570	29 150	24 870	27 510	1e
Mexico	642 542	659 878	786 774	661 646	671 444	1e
Mongolia	52 050	46 600	44 800	50 100	41 350	1e
Montenegro	4 600	7 200	7 000	8 100	8 820	1n
Morocco	41 820	45 410	53 750	43 020	51 700	1a
Myanmar	4 800	6 100	4 850	6 500	13 150	1n
Namibia	184 100	156 300	123 675	132 470	131 920	1n
Nigeria	7 000	7 000	14 200	13 400	22 130	1e
Pakistan	0	0	0	7 700	19 460	1n
Peru	1 351 273	1 315 475	1 421 218	1 337 081	1 473 073	1e
Philippines	16 730	0	0	0	0	1e
Poland	77 000	70 000	65 000	61 000	50 000	1e
Portugal	53 382	67 384	66 871	71 052	71 357	1a
Romania	2 000	3 120	2 900	1 500	770	1e
Russia	211 400	193 900	213 800	243 800	258 000	1e
Saudi Arabia	20 360	19 830	19 020	4 230	21 787	1a
Serbia	7 950	8 440	11 700	11 700	11 900	1a
Slovakia	190	176	190	126	166	1a
South Africa	30 145	26 141	29 040	26 695	30 778	1e
Spain	30 428	26 756	49 216	76 342	70 451	3a
Sweden	176 582	221 841	246 983	258 264	251 244	1e
Tajikistan	29 955	42 740	50 400	73 850	92 940	1e
Thailand	34 516	45 380	36 210	35 130	1 580	1a
Tunisia	7 700	7 400	0	0	0	1q
Turkey	200 000	211 500	173 600	201 500	365 000	2q
United States	784 400	830 800	824 700	804 800	773 800	1e
Uzbekistan	8 000	8 000	8 000	12 000	20 000	2n
Vietnam	20 000	17 000	15 000	12 000	12 000	2q
Total	13 552 929	13 553 978	13 365 071	12 472 250	12 527 486	

6.4.3 Precious Metals

Gold

Country	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg	Rem
Algeria	140	85	106	102	137	1e
Argentina	52 486	60 170	63 231	56 967	73 187	1e
Armenia	2 324	2 845	2 805	3 732	4 670	1n
Australia	258 418	269 138	275 160	290 800	294 075	1e
Azerbaijan	1 619	1 875	2 240	2 034	6 617	1e
Benin	30	30	30	30	30	2q
Bolivia	18 127	24 803	19 770	22 545	29 524	1e
Botswana	1 206	958	756	833	913	1e
Brazil	79 563	81 038	83 127	94 153	85 000	1e
Bulgaria	7 390	6 810	7 930	7 920	8 670	1a
Burkina Faso	32 959	36 321	36 540	38 530	45 582	1e
Burundi	2 823	650	549	396	953	1e
Cameroon	480	517	795	542	689	1e
Canada	133 636	152 460	162 504	163 923	175 611	1e
Central African Republic	11	7	15	33	118	1e
Chile	51 309	46 031	42 501	46 333	37 911	1e
China	428 160	451 799	450 053	453 500	426 142	1e
Colombia	55 969	57 896	59 576	62 507	42 702	1e
Congo, D.R.	6 149	23 937	31 878	30 664	31 586	1e
Congo, Rep.	150	150	150	100	100	2n
Costa Rica	2 000	1 050	950	750	4 255	1e
Cote d'Ivoire	15 516	18 600	23 460	25 055	25 396	1e
Dominican Republic	26 485	36 085	31 134	37 933	35 221	1n
Ecuador	8 676	7 322	7 723	6 761	6 176	1e
Egypt	11 502	11 734	13 657	17 139	16 941	1n
Eritrea	2 862	840	753	333	1 000	2q
Ethiopia	13 050	10 340	9 370	6 800	4 600	1e
Fiji	1 218	1 196	1 290	1 500	1 425	1e
Finland	8 660	8 085	8 342	8 865	9 102	1e
French Guiana	1 220	1 689	1 460	1 160	1 300	1e
Gabon	1 192	1 078	1 472	1 020	620	1e
Georgia	4 300	2 300	3 073	3 621	3 032	1n
Ghana	99 303	106 782	96 926	128 502	143 419	1e
Greece	2 492	2 328	1 600	940	823	1e
Guatemala	6 386	6 140	5 641	3 907	1 646	1e
Guinea	18 323	23 465	21 460	29 192	46 847	1e
Guyana	14 963	12 053	14 029	22 168	20 334	1e
Honduras	1 985	2 762	2 598	2 607	2 656	1n
India	1 564	1 440	1 323	1 594	1 648	1e
Indonesia	59 804	69 349	92 171	91 090	90 700	1n
Iran	1 656	1 760	2 368	4 537	7 100	1a
Japan	7 411	7 114	7 699	6 455	6 369	1e
Kazakhstan	42 552	50 339	63 614	74 737	85 339	1e
Kenya	2 100	237	337	197	503	1e
Korea, South	413	283	269	205	287	1e
Kyrgyzstan	19 298	18 117	17 015	19 497	21 306	1n
Laos	6 838	5 260	6 893	6 764	5 988	1n
Liberia	587	620	829	4 704	6 356	1e
Macedonia	490	480	494	664	972	1n
Madagascar	160	160	160	586	2 834	1e
Malaysia	3 823	4 308	4 854	2 249	2 129	1e
Mali	47 000	45 800	46 503	46 903	49 622	1e

Mauritania	9 518	9 624	8 805	7 127	9 096	1e
Mexico	117 848	117 771	134 759	132 413	126 820	1e
Mongolia	8 904	19 963	20 829	18 436	19 849	1e
Morocco	463	377	448	352	220	1a
Mozambique	91	197	242	2 644	2 394	1e
Myanmar	893	1 315	1 692	1 446	1 620	1a
Namibia	2 046	2 140	6 410	7 062	7 800	1e
New Zealand	12 468	11 989	12 687	9 866	10 288	1e
Nicaragua	8 611	8 160	7 612	8 391	7 367	1e
Niger	1 151	732	1 220	999	914	1e
Nigeria	6 261	7 100	7 000	7 000	7 000	2n
Panama	1 116	11	0	0	0	1n
Papua New Guinea	61 524	56 387	57 633	61 785	61 678	1n
Peru	151 486	140 097	146 823	153 006	151 964	1e
Philippines	17 248	18 423	20 643	23 053	22 699	1e
Poland	431	226	431	402	572	1e
Romania	500	500	500	500	500	2q
Russia	214 700	249 065	255 200	253 580	270 300	1e
Rwanda	0	203	800	1 980	2 000	2n
Saudi Arabia	4 158	4 789	5 089	7 010	10 465	1a
Senegal	6 445	6 588	5 779	6 741	7 255	1n
Serbia	1 154	1 310	1 186	805	1 199	1a
Sierra Leone	96	43	106	188	142	1e
Slovakia	533	582	603	466	447	1a
Solomon Islands	1 945	531	0	0	0	1e
South Africa	160 016	151 622	144 504	142 202	137 133	1e
Spain	1 994	1 942	1 825	1 291	1 825	3a
Sudan	70 000	73 300	82 400	93 000	107 300	1e
Suriname	11 001	10 641	9 397	12 926	25 844	1n
Sweden	6 530	6 849	6 028	6 463	7 858	1e
Taiwan	4	5	4	1	4	1e
Tajikistan	2 674	3 436	4 200	5 040	5 500	1e
Tanzania	43 390	40 481	43 861	45 778	43 490	1e
Thailand	4 419	4 514	3 305	4 293	0	1a
Togo	21 086	20 583	15 568	14 470	19 960	1e
Turkey	33 980	31 260	27 800	24 030	23 090	1a
Uganda	5	24	13	11	4	1e
United Kingdom	42	0	0	0	0	1e
United States	229 703	210 077	213 808	228 267	236 778	1e
Uruguay	2 038	1 719	1 413	999	1 055	1n
Uzbekistan	98 000	102 000	103 000	100 000	100 000	1n
Venezuela	1 675	1 056	558	800	8 100	1e
Vietnam	2 066	687	539	584	557	1n
Zambia	5 207	4 803	4 238	4 610	4 373	1e
Zimbabwe	14 001	15 386	20 023	22 747	23 929	1e
Total	2 904 199	3 015 144	3 108 164	3 246 843	3 339 552	

Palladium

Country	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg	Rem
Australia	630	613	425	610	610	1e
Botswana	1 337	560	156	0	0	1n
Canada	16 350	22 000	22 600	21 200	17 800	2n
Finland	766	808	784	901	1 021	1e
Poland	30	25	20	30	7	1e
Russia	78 630	80 530	75 710	86 250	83 765	1n

Serbia	25	23	22	23	50	2n
South Africa	76 008	58 410	82 691	76 273	80 132	1e
United States	12 572	12 448	12 532	13 070	12 400	2n
Zimbabwe	10 153	10 138	10 055	12 222	11 822	1e
Total	196 501	185 555	204 995	210 579	207 607	

Platinum

Country	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg	Rem
Australia	156	153	108	152	155	1e
Botswana	218	124	31	0	0	1n
Canada	8 000	8 700	10 000	9 700	9 000	2n
Colombia	1 520	1 142	861	917	567	1e
Finland	946	1 060	992	1 178	1 418	1e
Poland	51	40	40	50	11	1e
Russia	22 900	21 770	20 839	22 300	21 860	1n
Serbia	2	3	2	3	3	2n
South Africa	137 024	93 991	139 125	133 241	131 242	1e
United States	3 723	3 655	3 667	3 891	3 600	2n
Zimbabwe	13 065	12 483	12 564	15 110	14 257	1e
Total	187 605	143 121	188 229	186 542	182 113	

Rhodium

Country	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg	Rem
Canada	470	550	530	650	600	2n
Russia	2 488	2 488	2 488	2 644	2 426	1n
South Africa	18 129	12 916	18 722	19 237	18 431	1e
United States	100	124	96	103	100	2n
Zimbabwe	1 146	1 140	1 128	1 322	1 283	1e
Total	22 333	17 218	22 964	23 956	22 840	

Silver

Country	2013 kg	2014 kg	2015 kg	2016 kg	2017 kg	Rem
Algeria	27	16	20	20	25	2n
Argentina	890 152	989 950	1 175 246	1 055 700	997 961	1e
Armenia	18 179	18 374	18 350	14 100	17 200	2n
Australia	1 839 783	1 846 847	1 430 298	1 418 219	1 120 175	1e
Azerbaijan	2 049	970	890	5 136	6 949	1n
Bolivia	1 287 200	1 346 941	1 306 977	1 356 620	1 222 371	1e
Botswana	22 597	22 328	2 800	0	0	1e
Brazil	22 427	32 300	42 142	42 300	46 400	2n
Bulgaria	55 637	50 200	37 955	52 526	53 053	1e
Canada	640 362	495 403	383 807	398 509	393 483	1e

Chile	1 173 845	1 571 788	1 504 271	1 501 436	1 318 582	1e
China	3 670 213	3 499 144	3 421 385	3 570 682	3 502 254	1n
Colombia	14 046	11 692	10 355	11 378	11 968	1e
Congo, D.R.	60 431	6 485	2 412	835	3 376	1e
Cote d'Ivoire	647	600	576	549	493	1n
Dominican Republic	82 164	135 025	95 706	121 749	147 047	1e
Ecuador	1 198	577	2 521	934	68	1e
Eritrea	15 799	47 402	38 910	13 219	1 192	1n
Ethiopia	1 449	1 000	990	880	750	1e
Fiji	462	361	354	354	350	1e
Finland	14 226	12 830	13 051	16 348	13 654	1e
Ghana	4 000	4 000	4 000	3 100	4 000	2n
Greece	39 028	35 785	28 050	29 342	23 283	1n
Guatemala	265 943	858 356	862 814	837 793	336 944	1n
Honduras	50 916	56 826	34 369	17 803	21 785	1n
India	349 774	327 647	426 443	460 811	557 691	1e
Indonesia	222 240	165 760	201 595	228 640	243 310	1n
Iran	673	34 945	48 380	50 000	50 000	2q
Ireland	7 822	6 436	3 770	1 076	1 344	1a
Japan	3 644	3 541	4 616	5 076	3 408	1e
Kazakhstan	958 258	983 697	1 306 575	1 182 476	1 041 838	1e
Korea, North	50 000	50 000	50 000	50 000	50 000	2q
Korea, South	3 897	3 264	4 586	6 579	8 863	1e
Kyrgyzstan	22 060	21 182	17 220	13 490	21 946	1a
Laos	32 262	39 801	51 764	50 904	42 841	1n
Macedonia	23 420	23 910	17 660	13 970	17 630	1n
Malaysia	361	533	945	1 075	2 078	1e
Mali	2 577	2 489	2 608	2 600	2 900	2q
Mexico	5 827 001	5 765 662	5 955 151	5 420 529	5 815 034	1e
Mongolia	43 800	56 210	79 910	84 920	67 190	1e
Morocco	194 078	189 147	247 490	268 523	238 530	1a
Namibia	1 400	1 128	877	5 000	6 490	1n
New Zealand	11 223	15 811	12 498	7 960	8 022	1e
Nicaragua	13 745	13 889	18 577	21 382	15 419	1e
Niger	110	67	100	100	100	2q
Papua New Guinea	89 885	84 379	73 166	95 879	69 650	1n
Peru	3 674 283	3 768 147	4 101 568	4 375 337	4 417 987	1e
Philippines	40 043	23 005	29 780	35 186	31 748	1e
Poland	1 199 029	1 186 014	1 209 094	1 264 659	1 290 000	1n
Portugal	40 621	43 172	41 337	38 631	40 186	1n
Romania	18 000	18 000	18 000	18 000	18 000	2q
Russia	1 427 651	1 433 871	1 580 058	1 449 423	1 306 347	1e
Saudi Arabia	4 158	4 888	4 500	4 710	5 133	1a
Senegal	850	1 150	540	640	660	1e
Serbia	5 800	8 586	7 488	11 345	12 340	1e
Slovakia	508	437	532	391	410	1a
Solomon Islands	735	271	0	0	0	1e
South Africa	68 777	49 220	51 861	55 622	62 536	1e
Spain	31 000	31 000	27 300	74 740	70 000	2n
Sudan	700	1 000	1 000	1 000	2 000	1n
Sweden	341 346	382 611	479 686	498 686	467 500	1e
Tajikistan	1 833	1 870	2 658	3 200	6 550	1e
Tanzania	11 720	14 493	15 569	17 984	10 911	1e
Thailand	32 381	31 046	21 047	35 954	0	1a
Turkey	189 600	183 880	190 550	174 180	151 490	1a
United Kingdom	82	0	0	0	0	1e
United States	1 037 000	1 183 900	1 090 000	1 153 000	1 018 000	1e
Uzbekistan	59 000	53 000	50 000	50 000	50 000	2n
Total	26 216 127	27 254 259	27 864 748	27 703 210	26 469 445	

6.4.4 Industrial Minerals

Asbestos

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	101	0	130	0	26	1e
Brazil	290 825	311 227	232 052	177 800	129 094	1e
China	420 000	400 000	250 000	203 000	125 000	1e
India	172	0	0	0	0	1e
Kazakhstan	243 400	213 100	179 800	192 600	192 700	1e
Russia	811 000	733 068	647 690	713 675	710 250	1e
Zimbabwe	377	0	0	0	0	1e
Total	1 765 875	1 657 395	1 309 672	1 287 075	1 157 070	

Baryte

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	23 686	56 829	32 020	39 980	29 159	1e
Argentina	26 792	16 265	12 917	12 389	15 553	1e
Australia	13 176	14 676	6 017	7 139	8 958	1e
Bolivia	30 476	26 240	46 732	16 632	29 114	1e
Brazil	34 943	3 389	3 000	12 133	9 981	1e
Bulgaria	1 000	20 000	60 000	50 000	64 000	1e
Canada	22 000	22 000	30 000	10 000	10 000	2n
China	4 000 000	4 100 000	2 984 000	2 771 100	3 100 000	2n
Colombia	5 483	4 688	4 003	3 068	1 721	1e
Egypt	3 821	4 000	7 540	7 000	7 000	2n
Germany	45 446	87 575	68 297	49 373	34 177	1e
Guatemala	343	43	544	500	43	1e
India	1 170 522	1 010 214	1 252 262	1 262 100	1 261 300	2e
Iran	450 000	671 316	1 085 667	1 449 038	514 711	1a
Kazakhstan	563 700	655 500	752 300	612 300	612 000	2n
Korea, North	600	20	12 000	9 000	4 200	2e
Laos	10 500	30 610	32 150	33 240	33 325	1e
Malaysia	500	575	0	0	0	1e
Mexico	343 585	130 914	265 700	156 854	359 912	1e
Morocco	1 094 500	1 006 600	1 212 130	668 500	818 016	1a
Myanmar	31 295	23 060	2 836	3 215	2 186	1a
Nigeria	18 960	7 113	3 323	537	717	1e
Pakistan	118 471	133 658	118 773	157 858	91 711	1a
Peru	52 491	106 071	28 407	7 953	9 182	1e
Russia	170 000	215 000	210 000	434 000	221 000	1e
Saudi Arabia	30 000	32 000	0	0	0	1a
Slovakia	21 000	20 900	20 000	23 000	15 700	1a
Thailand	107 437	134 961	170 621	223 101	147 954	1a
Tunisia	5 300	9 800	10 000	10 000	10 000	2n

Turkey	736 316	203 984	655 943	321 239	292 447	1a
United Kingdom	30 000	44 000	50 000	56 000	56 000	2n
United States	723 000	663 000	439 000	240 000	250 000	2n
Vietnam	90 000	112 000	140 000	80 000	70 000	2n
Total	9 975 343	9 567 001	9 716 182	8 727 249	8 080 067	

Bentonite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	27 670	31 510	34 400	37 100	35 600	1e
Argentina	262 799	280 407	229 715	145 723	156 750	3e
Armenia	18 456	3 640	9 228	13 956	24 712	1e
Australia	90 000	70 000	75 000	59 000	68 000	2n
Azerbaijan	97 700	81 900	56 800	54 545	235 617	1e
Bolivia	182	886	1 023	525	68	1e
Bosnia-Herzegovina	18 808	80 952	67 261	102 858	92 344	1e
Brazil	403 351	405 169	517 607	500 000	500 000	2n
Bulgaria	0	41 100	61 600	37 100	54 100	1a
Chile	3 313	1 083	1 434	1 288	1 584	1e
China	3 610 000	3 600 000	3 650 000	5 600 000	5 600 000	1e
Cuba	335	700	500	389	589	1e
Cyprus	158 386	140 174	127 036	117 184	95 593	1a
Czech Republic	226 000	301 000	369 000	374 000	254 000	1a
Denmark	56 355	66 388	54 272	66 278	69 594	1e
Egypt	4 600	3 615	3 600	3 600	3 600	2n
France	23 111	11 607	36 403	42 567	24 497	1e
Germany	358 844	394 657	392 831	393 000	416 000	1e
Greece	1 000 000	1 011 485	1 123 320	883 220	1 087 800	1a
Guatemala	18 418	75 200	718	18 081	20 542	1e
Hungary	10 360	13 893	14 170	14 000	24 630	1a
India	1 310 000	1 333 000	1 580 000	1 750 000	1 750 000	2n
Indonesia	7 000	7 000	7 000	7 000	7 000	2n
Iran	397 106	419 693	435 974	356 036	517 524	1a
Iraq	6 288	255	0	0	0	2n
Italy	20 709	20 000	12 840	45 978	72 756	1e
Japan	500 000	500 000	500 000	500 000	500 000	2n
Kazakhstan				119 100	120 000	2n
Korea, South	80 188	71 850	78 439	63 834	47 306	1e
Macedonia	18 520	16 920	9 012	1 968	912	1e
Mexico	826 887	519 625	294 236	109 176	148 475	1e
Morocco	105 240	98 757	92 290	103 230	174 546	1a
Mozambique	93	739	350	322	285	1e
Myanmar	1 552	0	700	600	600	1a
New Zealand	762	1 000	700	700	700	2n
Pakistan	26 077	40 374	23 283	42 038	41 635	1a
Peru	47 744	37 375	21 341	19 410	756	1e
Philippines	3 330	3 370	3 480	3 230	3 300	2n
Poland	1 050	650	450	1 000	0	1e
Romania	24 127	18 583	19 355	24 996	28 005	1e
Russia	450 000	500 000	498 000	589 600	669 700	1e
Slovakia	197 600	214 000	230 000	155 000	209 800	1a
Slovenia	143	199	232	182	147	1e
South Africa	177 187	171 119	165 535	148 742	165 141	1e
Spain	102 726	105 627	100 604	155 038	177 565	3a
Thailand	150	0	0	0	0	1a
Turkey	731 936	1 098 817	3 134 911	1 744 912	1 481 617	1a

Turkmenistan	50 000	7 387	10 000	10 000	10 000	2n
Ukraine	220 000	220 000	220 000	200 000	113 200	1e
United States	4 350 000	4 800 000	4 010 000	3 600 000	3 700 000	1e
Uruguay	8 974	7 800	4 252	6 650	6 640	1e
Total	16 054 077	16 829 506	18 278 902	18 223 156	18 713 230	

Boron

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	424 811	395 058	248 683	148 390	129 918	1e
Bolivia	157 338	151 799	148 738	182 685	208 388	1e
Chile	582 074	496 533	517 584	558 854	607 076	1e
China	165 000	165 000	160 000	160 000	150 000	2n
Iran	914	180	515	36	850	1a
Kazakhstan	30 000	30 000	30 000	30 000	30 000	2n
Peru	224 454	239 725	578 910	33 792	0	1e
Russia	76 199	81 234	82 000	80 000	85 000	1n
Turkey	2 000 000	1 870 000	1 840 000	1 831 000	2 025 000	1n
United States	1 032 000	1 118 000	1 218 000	1 134 000	1 075 000	1n
Total	4 692 790	4 547 529	4 824 430	4 158 757	4 311 232	

Diamonds (Gem)

Country	2013 ct	2014 ct	2015 ct	2016 ct	2017 ct	Rem
Angola	7 741 527	7 875 803	8 117 048	8 119 320	8 494 920	1c
Australia	5 626 057	4 551 178	6 644 790	6 839 420	8 396 150	1e
Botswana	15 885 100	17 260 600	14 576 800	14 623 700	16 058 700	1e
Brazil	16 225	18 785	10 503	60 560	84 115	1e
Canada	10 599 660	12 011 619	11 677 471	13 315 319	23 200 226	1e
Central African Republic	95 120	34 000	34 000	9 973	47 840	1e
China	1 050	0	0	127	230	1c
Congo, D.R.	3 559 800	3 331 600	3 150 700	3 111 890	2 268 332	1e
Cote d'Ivoire	0	859	11 940	16 188	8 925	1e
Ghana	127 259	192 896	139 350	114 400	69 540	1e
Guinea	151 774	123 044	125 161	84 597	136 090	1c
Guyana	41 946	74 963	88 838	104 920	39 120	1e
India	3 000	2 889	12 784	13 488	14 690	1e
Lesotho	82 803	69 203	60 846	68 403	225 280	1c
Liberia	28 690	44 930	39 600	36 220	35 970	1e
Namibia	1 674 260	1 791 002	1 676 108	1 494 350	1 713 800	1e
Russia	22 731 084	22 982 100	25 147 434	24 431 760	26 168 400	1e
Sierra Leone	308 608	503 942	420 158	417 952	165 894	1e
South Africa	3 251 483	3 223 527	3 293 220	3 322 220	3 879 220	1e
Tanzania	152 688	214 945	184 025	203 915	258 785	1e
Zimbabwe	3 123 545	1 431 491	1 008 000	639 920	752 360	1e
Total	75 201 679	75 739 376	76 418 776	77 028 642	92 018 587	

Diamonds (Ind)

Country	2013 ct	2014 ct	2015 ct	2016 ct	2017 ct	Rem
Angola	860 170	875 089	901 894	902 147	943 880	1c
Australia	5 855 692	4 736 940	6 916 005	7 118 580	8 738 850	1e
Botswana	6 807 900	7 397 400	6 247 200	6 267 300	6 882 300	1e
Brazil	32 941	38 138	21 323	122 955	170 780	1e
Cameroon	2 723	3 718	2 245	994	1 757	1c
Central African Republic	23 780	8 500	8 500	2 493	11 960	1e
Congo, D.R.	14 239 200	13 326 400	12 602 790	12 447 557	16 634 432	1e
Congo, Rep.	56 495	53 163	40 057	12 110	46 758	1c
Cote d'Ivoire	0	215	2 985	4 047	2 231	1e
Ghana	31 815	48 224	34 838	28 605	17 385	1e
Guinea	50 591	41 015	41 720	28 200	45 360	1c
Guyana	13 982	24 988	29 613	34 970	13 040	1e
India	34 515	33 218	23 260	23 028	25 010	1e
Lesotho	331 211	276 814	243 386	273 611	901 130	1c
Liberia	19 130	29 950	26 400	24 150	23 980	1e
Namibia	88 118	94 263	88 216	78 650	90 200	1e
Russia	15 154 056	15 321 400	16 764 956	16 287 840	17 445 600	1e
Sierra Leone	296 132	90 426	79 875	131 550	156 664	1e
South Africa	4 877 224	4 835 290	4 939 840	4 983 330	5 818 820	1e
Tanzania	26 940	37 930	32 475	35 985	45 670	1e
Togo	24	23	0	0	0	1e
Zimbabwe	7 288 273	3 340 146	2 352 000	1 493 140	1 755 500	1e
Total	56 090 912	50 613 250	51 399 578	50 301 242	59 771 307	

Diatomite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	2 124	2 426	2 360	2 535	2 439	1e
Argentina	209 312	190 039	60 951	57 113	70 419	1e
Armenia	19 376	20 439	18 915	25 486	23 465	1e
Australia	9 238	1 679	4 923	1 033	1 085	1e
Brazil	1 947	5 080	5 530	5 000	5 000	2n
Chile	27 092	31 000	26 186	26 937	27 557	1e
China	430 000	430 000	420 000	400 000	400 000	1e
Costa Rica	19 037	10 851	20 537	20 500	4 218	1e
Czech Republic	49 000	34 000	15 000	26 000	34 000	1a
Denmark	128 100	118 800	127 500	114 400	110 000	1e
Ethiopia	4 000	4 000	4 000	4 000	4 000	2n
France	85 000	90 000	90 000	90 000	90 000	2n
Iran	9 500	9 912	9 500	37	0	1a
Kenya	1 054	1 195	1 090	1 238	1 278	1e
Korea, South	34 000	65 893	15 310	20 564	133 741	1e
Mexico	87 463	87 849	89 810	96 686	96 374	1e
Mozambique	375	78	0	0	0	1e
New Zealand	4	43 624	0	0	0	2n
Peru	124 917	151 398	120 672	107 265	96 590	1e

Poland	600	590	600	500	500	1e
Spain	53 713	59 619	47 706	48 231	70 550	3a
Turkey	84 571	61 884	86 656	61 722	169 584	1a
United States	782 000	901 000	832 000	686 000	700 000	1e
Total	2 162 423	2 321 356	1 999 246	1 795 247	2 040 800	

Feldspar

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	290 000	230 372	154 500	168 000	170 000	2n
Argentina	219 666	162 854	186 974	155 217	154 770	3e
Australia	63 685	46 202	40 777	31 768	329	1e
Austria	35 000	35 000	35 000	35 000	35 000	1e
Brazil	294 357	417 771	456 308	460 000	460 000	2n
Chile	3 874	4 233	6 577	6 352	4 421	1e
China	2 220 000	2 300 000	2 350 000	2 400 000	2 500 000	2n
Colombia	119 373	124 682	129 400	136 259	116 348	1e
Cuba	3 200	3 600	3 300	5 790	8 715	1e
Czech Republic	411 000	422 000	433 000	454 000	368 000	1a
Dominican Republic	20 800	20 800	7 800	5 200	5 000	2n
Ecuador	210 142	183 259	253 253	148 506	92 871	1e
Egypt	232 660	400 000	420 508	400 000	400 000	2n
Finland	47 636	46 233	38 026	18 549	14 926	1e
France	550 000	550 000	550 000	550 000	550 000	2n
Germany	5 399 644	5 846 646	4 649 326	5 319 218	5 300 000	2n
Guatemala	19 611	10 410	10 340	30 428	29 145	1e
India	1 512 982	3 168 369	3 343 773	6 432 674	4 189 560	2e
Indonesia	1 530 600	1 474 100	1 204 900	1 353 300	1 346 700	1e
Iran	1 313 233	1 128 569	1 003 354	1 120 449	1 128 585	1a
Italy	2 182 561	2 185 000	2 200 000	2 200 000	2 200 000	2n
Japan	100 000	105 000	105 000	105 000	105 000	2n
Korea, South	343 366	528 958	601 030	654 398	717 177	1e
Macedonia	15 168	18 076	20 289	19 919	21 237	1e
Malaysia	314 399	378 446	442 980	441 856	442 000	2n
Mexico	164 484	150 726	159 372	127 213	241 480	1e
Morocco	61 000	45 000	32 000	33 600	101 064	1a
Nigeria	12 880	60 580	25 280	34 144	27 660	1e
Norway	0	1 278	76	0	0	2n
Pakistan	38 218	92 672	38 568	316 289	273 468	1a
Peru	22 695	18 019	16 979	16 630	14 930	1e
Philippines	30 388	34 232	38 067	46 630	47 000	2n
Poland	513 000	68 910	76 540	88 140	91 200	1a
Portugal	70 057	70 865	93 789	132 105	126 211	1a
Romania	7 060	7 570	13 244	4 501	5 000	2n
Russia	221 500	208 000	205 000	278 100	293 300	1e
Saudi Arabia	160 000	168 000	179 000	188 000	197 000	1e
South Africa	191 443	102 541	130 184	127 872	116 705	1e
Spain	592 908	533 328	558 273	634 519	595 666	3a
Sri Lanka	96 043	95 000	95 000	96 000	96 000	2n
Sudan	31 700	50 680	28 238	49 000	60 000	2n
Sweden	30 000	27 000	29 000	22 000	22 000	1e
Thailand	1 072 656	1 413 428	1 331 916	1 167 147	1 385 925	1a
Turkey	13 764 126	7 960 844	10 422 766	9 475 819	10 273 573	1a

Ukraine	133 933	94 506	44 460	33 627	35 000	2n
United States	550 000	530 000	520 000	470 000	530 000	1e
Uruguay	4	300	200	460	370	1e
Venezuela	91 054	93 934	75 527	75 000	75 000	2n
Total	35 308 106	31 617 993	32 759 894	36 068 679	34 968 336	

Fluorspar

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Afghanistan	4 700	4 108	2 000	2 000	3 000	2n
Argentina	38 601	39 433	65 282	14 222	13 696	1e
Brazil	27 712	23 849	27 351	27 000	27 000	2n
Bulgaria	82 500	130 800	131 900	4 400	0	1a
China	4 400 000	3 800 000	4 400 000	3 800 000	4 000 000	1e
Colombia	3	10	47	75	57	1e
Egypt	850	900	1 105	0	0	2n
Germany	48 744	58 100	57 741	52 552	45 375	1e
India	2 486	2 947	2 333	1 175	1 313	1e
Iran	69 828	78 736	39 286	70 820	55 297	1a
Kenya	71 987	97 156	70 096	42 656	6 945	1e
Korea, North	5 000	5 000	4 000	0	2 500	2e
Mexico	1 210 477	1 109 721	624 574	655 555	772 100	1e
Mongolia	337 800	313 300	280 300	248 900	319 330	1e
Morocco	81 200	79 840	80 890	73 920	75 509	1a
Namibia	65 348	99 984	0	0	0	1e
Pakistan	13 344	7 500	5 960	9 494	2 263	1e
Russia	56 200	8 200	1 000	3 000	6 000	1e
South Africa	157 776	164 054	121 316	177 000	255 000	2n
Spain	96 810	120 582	130 647	130 131	125 870	3a
Thailand	2 432	4 590	15 095	20 100	5 500	1a
Turkey	3 874	4 271	6 238	10 339	20 150	1e
United Kingdom	16 000	25 000	17 000	12 000	12 000	2n
Vietnam	15 919	95 494	214 000	218 878	234 420	1n
Total	6 809 591	6 273 575	6 298 161	5 574 217	5 983 325	

Graphite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	900	900	900	0	0	1e
Austria	200	150	150	150	150	2n
Brazil	91 908	87 026	81 762	85 000	85 000	2n
Canada	30 000	30 000	30 000	21 000	20 000	2n
China	750 000	780 000	780 000	780 000	670 000	1n
Germany	269	517	398	502	422	1e
India	146 390	116 712	135 528	122 437	33 558	1e
Korea, North	30 000	30 000	40 000	47 000	50 000	2n
Korea, South	0	0	62	0	0	1e
Madagascar	3 833	5 316	8 100	9 230	13 300	1e
Mexico	7 024	9 160	6 524	14 200	10 310	1e
Mozambique				0	802	1e
Namibia				0	2 216	1e

Norway	6 207	8 308	9 185	9 600	9 600	2n
Russia	14 000	15 000	15 900	19 400	25 400	1e
Sri Lanka	3 083	3 819	4 212	3 860	3 800	1n
Sweden		0	295	0	0	1e
Turkey	28 740	3 850	0	0	4 000	1a
Ukraine	7 000	8 000	10 000	12 000	13 000	2n
Zimbabwe	6 934	6 853	6 362	5 622	1 577	1e
Total	1 126 488	1 105 611	1 129 378	1 130 001	943 135	

Gypsum and Anhydrite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Afghanistan	65 000	57 000	57 000	57 000	40 000	2n
Albania	126 350	108 733	85 863	131 924	70 000	3e
Algeria	2 100 000	2 130 459	2 207 000	2 200 000	2 200 000	2n
Angola	189 240	328 130	127 910	0	32 000	1e
Argentina	1 585 942	1 560 960	1 314 655	1 558 390	1 275 608	1e
Armenia	28 700	22 317	19 400	14 831	14 336	1e
Australia	4 616 650	3 672 100	3 715 200	3 664 700	3 381 670	1e
Austria	635 299	729 892	715 195	674 346	712 469	1e
Azerbaijan	249 800	222 700	196 500	155 800	85 076	1e
Bhutan	351 421	414 148	389 365	317 597	328 128	1e
Bolivia	1 223	1 464	650	1 182	473	1e
Bosnia-Herzegovina	68 550	88 977	58 800	61 231	99 001	1e
Brazil	3 385 386	3 452 969	3 131 294	2 650 000	2 150 000	2n
Bulgaria	119 100	87 800	108 600	60 900	88 000	1a
Canada	2 654 000	1 792 709	1 726 216	1 678 573	2 888 509	1e
Chile	1 015 158	843 490	860 075	934 033	1 157 466	1e
China	28 000 000	19 970 000	20 000 000	25 400 000	25 000 000	2n
Colombia	294 587	368 939	448 543	471 306	405 802	1e
Croatia	143 180	164 464	126 470	150 430	147 934	1e
Cuba	87 100	97 800	90 900	73 900	85 400	1e
Cyprus	315 000	347 600	471 885	682 024	647 108	1a
Czech Republic	11 000	11 000	11 000	10 000	7 000	1a
Dominican Republic	233 340	423 350	470 780	284 170	158 020	1e
Egypt	457 602	940 615	872 141	744 160	742 000	2n
Eritrea	1 000	1 000	1 000	1 000	1 000	2n
Ethiopia	42 452	43 000	45 000	45 000	45 000	2n
France	3 455 000	3 279 000	2 027 360	4 182 614	3 013 543	1e
Germany	2 417 125	2 699 775	2 574 312	3 970 000	4 450 000	1e
Greece	760 000	664 288	649 280	777 990	547 140	1a
Guatemala	117 619	81 805	111 351	130 617	135 154	1e
Honduras	5 500	2 598	2 600	5 000	5 000	2n
India	3 115 363	2 477 849	2 500 000	2 300 000	3 000 000	1e
Indonesia	8 000	8 000	8 000	8 000	8 000	2n
Iran	21 118 681	19 550 120	17 793 500	15 715 011	13 942 092	1a
Iraq	1 500 000	1 200 000	1 000 000	1 000 000	1 000 000	2n
Ireland	200 000	300 000	250 000	250 000	200 000	1a
Israel	27 200	82 000	159 300	147 000	150 000	2n
Italy	3 163 273	5 886 650	5 717 300	6 171 888	4 764 471	1e
Jamaica	48 322	45 200	43 000	50 000	46 000	1e
Jordan	270 000	275 000	275 000	81 000	80 000	2n
Kenya	5 500	5 900	5 800	5 760	5 700	2n
Kyrgyzstan	148 000	112 000	60 617	98 000	100 000	1a
Laos	772 138	584 338	989 516	469 436	463 039	1e
Latvia	272 340	270 120	225 370	224 000	278 260	1e

Libya	120 000	150 000	150 000	150 000	150 000	2n
Macedonia	162 661	156 492	172 525	202 582	217 491	1e
Mauritania	20 000	30 000	70 000	60 000	80 000	2n
Mexico	7 903 159	7 043 563	7 101 612	7 682 807	7 609 704	1e
Moldova	161 500	172 300	194 900	204 400	358 500	1a
Myanmar	60 510	104 994	99 860	338 492	297 339	1a
Nicaragua	36 498	57 390	50 374	41 750	66 740	1e
Nigeria	56 168	31 791	34 621	28 000	39 939	1e
Norway	77 009	79 740	77 403	82 386	87 891	1e
Oman	2 812 600	3 387 300	6 251 900	7 933 617	8 438 286	1e
Pakistan	1 249 967	1 326 437	1 417 007	1 871 716	2 079 629	1a
Paraguay	4 500	4 500	4 500	4 500	4 500	2n
Peru	297 727	543 856	438 025	257 423	286 657	1e
Poland	1 084 560	1 052 470	1 018 450	1 043 000	1 108 000	1e
Portugal	299 038	328 730	309 966	255 026	152 059	1a
Romania	736 100	815 586	888 746	714 273	764 786	1e
Russia	4 223 000	4 419 000	4 223 000	4 200 000	4 400 000	2b
Saudi Arabia	1 700 000	1 780 000	2 780 000	3 000 000	3 150 000	1e
Slovakia	56 000	67 900	65 700	52 300	45 600	1a
Somalia	1 500	1 500	0	0	0	2n
South Africa	559 443	376 223	231 688	262 457	320 685	1e
Spain	7 388 699	6 925 120	7 403 767	8 936 364	9 428 782	3a
Sudan	132 000	111 271	24 136	34 924	30 100	1e
Switzerland	340 000	340 000	320 000	340 000	340 000	2n
Syria	300 000	200 000	100 000	50 000	20 000	2n
Tajikistan	15 000	12 455	8 339	8 750	43 066	1e
Tanzania	171 567	200 179	239 302	213 744	123 645	1e
Thailand	13 646 725	13 421 918	12 143 168	11 746 811	10 646 644	1a
Tunisia	744 589	771 652	690 000	650 000	800 000	2n
Turkey	9 790 097	9 051 158	8 638 715	10 124 221	10 223 112	1a
Ukraine	2 175 400	1 525 300	1 254 900	1 303 000	1 528 900	1e
United Kingdom	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	2n
United States	15 700 000	16 200 000	16 600 000	17 000 000	17 500 000	1e
Vietnam	5 000	0	0	0	0	2n
Yemen	120 000	100 000	100 000	100 000	50 000	2n
Total	157 532 158	147 395 084	140 800 782	152 146 656	151 254 454	

Kaolin

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	42 504	181 068	51 000	96 000	100 000	2n
Argentina	77 245	45 892	62 214	26 198	19 940	1e
Australia	207 927	169 904	153 365	222 229	192 150	1e
Austria	11 558	14 343	12 894	13 558	13 500	2n
Bosnia-Herzegovina	96 563	98 325	252 268	271 502	252 959	1e
Brazil	2 139 000	2 055 000	1 809 000	2 239 508	1 880 000	2n
Bulgaria	281 600	321 700	314 900	338 600	322 800	1a
Chile	60 000	60 000	60 000	60 000	60 000	1e
China	6 550 000	6 850 000	7 030 000	7 240 000	7 430 000	1e
Cuba	3 600	1 700	1 500	2 500	1 500	1e
Czech Republic	3 108 000	3 281 000	3 454 000	3 540 000	3 669 000	1a
Ecuador	100 195	40 236	64 486	4 110	548	1e
Egypt	300 000	300 000	232 351	230 000	230 000	2n
Eritrea	200	200	200	200	200	2n
Ethiopia	3 534	4 530	4 600	4 600	4 600	2n
France	300 000	310 000	275 150	263 993	279 120	1e

Germany	4 348 562	4 275 422	3 733 714	4 740 000	5 168 000	1e
Guatemala	1 342	1 285	1 101	793	657	1e
India	4 781 519	3 861 380	4 770 000	4 110 000	4 100 000	2b
Indonesia	739 900	753 000	681 100	728 000	736 600	1e
Iran	946 388	820 067	791 193	868 179	861 938	1a
Italy	577 249	384 891	305 327	408 810	561 887	1e
Japan	13 000	13 000	12 000	12 000	12 000	2n
Jordan	80 000	100 000	60 000	11 935	11 000	2n
Kenya	1 100	1 100	1 100	1 000	1 000	2n
Korea, South	521 783	429 081	356 866	366 511	416 648	1e
Kyrgyzstan	187 400	9 419	0	0	40 000	1a
Malaysia	293 480	219 652	294 693	392 933	336 290	1e
Mexico	669 860	546 437	366 049	452 070	294 055	1e
New Zealand	13 066	61 382	13 659	61 650	50 424	1e
Nigeria	20 000	19 200	20 000	24 104	46 935	1e
Oman	114 700	66 600	169 500	188 300	218 600	1e
Pakistan	22 917	16 191	18 956	21 683	28 670	1a
Paraguay	10 000	10 000	6 000	6 000	6 000	2n
Peru	32 249	19 964	43 251	19 098	17 700	1e
Philippines	6 568	7 050	8 179	10 059	10 000	2n
Poland	267 730	277 900	286 650	299 830	284 650	1a
Portugal	248 008	264 872	251 582	283 571	307 982	1a
Romania	32 722	30 638	31 000	31 000	31 000	2n
Russia	674 000	787 000	786 000	1 064 800	1 173 400	1e
Saudi Arabia	101 000	106 000	187 000	196 000	206 000	1e
Serbia	70 000	90 000	110 000	110 000	110 000	2n
Slovakia	6 000	5 900	5 900	11 923	13 584	1e
South Africa	22 295	27 258	20 126	21 141	31 295	1e
Spain	410 717	344 414	391 960	347 258	475 074	3a
Sri Lanka	12 990	12 000	12 000	13 000	13 000	2n
Sudan	26 000	50 000	14 490	6 500	5 446	1e
Taiwan	15 963	1 808	732	4 035	4 000	2n
Tanzania	907	3 809	1 953	656	13 816	1e
Thailand	119 512	123 621	102 763	101 618	103 079	1a
Turkey	1 168 441	2 032 103	1 887 302	1 283 260	1 362 799	1a
Uganda	43 875	46 286	40 774	45 909	55 317	1e
Ukraine	1 179 380	1 426 447	1 814 786	2 335 004	2 379 636	1e
United Kingdom	1 110 000	1 090 000	1 014 000	940 000	750 230	1e
United States	6 140 000	6 250 000	6 030 000	5 170 000	5 500 000	1e
Uzbekistan	70 286	64 605	196 350	323 680	269 906	1e
Venezuela	2 793	0	0	0	0	2n
Vietnam	650 000	100 000	100 000	100 000	100 000	2n
Total	39 035 628	38 483 680	38 715 984	39 665 308	40 564 935	

Magnesite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	507 367	590 955	663 212	469 455	210 844	1e
Austria	714 422	754 096	702 504	645 593	730 482	1e
Bosnia-Herzegovina	0	0	200	7 300	8 500	1e
Brazil	1 388 866	1 423 210	1 621 425	1 600 000	1 600 000	2n
Canada	150 000	150 000	150 000	150 000	150 000	2n
China	17 000 000	18 430 000	17 440 000	16 840 000	16 500 000	2n
Colombia	1 774	3 500	2 883	1 175	1 883	1e
Finland	0	12 276	22 390	54 227	63 850	1e
Greece	383 000	360 268	383 230	397 940	442 680	1a

Guatemala	17 196	24 268	25 000	23 954	16 298	1e
India	196 940	285 009	327 663	299 149	195 033	1e
Iran	170 741	165 886	165 073	145 223	166 636	1a
Korea, North	180 000	180 200	154 000	166 600	181 700	2e
Mexico	101 000	100 000	101 000	101 000	101 000	1e
Nepal	0	225	60	0	0	1e
Pakistan	6 705	3 770	4 581	35 228	19 656	1a
Philippines	5 998	6 200	7 158	10 310	10 000	2n
Poland	97 000	92 000	96 000	77 920	101 920	1a
Russia	2 117 100	1 969 800	1 709 100	1 188 900	1 397 000	1e
Saudi Arabia	63 400	71 000	77 000	100 000	104 132	1a
Slovakia	933 200	887 500	878 400	683 400	975 100	1a
South Africa	8 219	10 000	10 200	8 800	9 000	2n
Spain	836 269	679 348	464 691	583 698	788 991	3a
Turkey	2 597 465	2 377 157	3 335 258	3 258 445	1 694 071	1a
Total	27 476 662	28 576 668	28 341 028	26 848 317	25 468 776	

Perlite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	24 737	22 680	23 282	17 905	19 924	1e
Armenia	77 784	84 904	57 657	44 820	14 036	1e
Australia	1 300	0	0	620	275	1e
Chile	4 800	800	3 000	5 500	4 210	1e
Greece	890 000	985 328	890 670	921 410	932 950	1a
Hungary	31 024	32 750	31 275	31 000	34 628	1a
Iran	55 101	42 646	63 030	17 083	23 837	1a
Mexico	27 200	26 000	13 000	19 000	13 000	1e
Philippines	14 249	17 134	35 675	38 745	39 000	2n
Russia	45 000	45 000	45 000	45 000	45 000	2n
Slovakia	16 000	17 000	25 000	19 000	20 000	2n
South Africa	1 078	1 000	1 000	1 000	1 000	2n
Thailand	14 293	54 100	17 200	15 690	5 800	1a
Turkey	1 075 949	897 125	843 242	1 066 251	606 231	1a
United States	471 000	462 000	488 000	513 000	520 000	1e
Total	2 749 515	2 688 467	2 537 031	2 756 024	2 279 891	

Phosphates (P₂O₅-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	391 000	482 100	438 200	433 200	378 100	1e
Australia	474 790	448 500	236 375	238 494	216 670	1e
Brazil	2 504 000	2 521 000	2 167 000	2 012 500	1 705 000	1e
Burkina Faso	650	0	0	0	0	2n
Chile	4 190	6 400	5 470	1 740	1 190	1e
China	32 553 000	36 131 400	42 611 700	43 319 400	43 332 000	1e
Christmas Island	132 250	154 330	177 100	148 120	147 890	1n
Colombia	16 440	10 420	23 870	20 960	13 580	1e
Egypt	1 788 700	1 305 300	1 401 000	993 800	1 000 000	2n
Finland	315 800	340 640	344 360	338 230	352 300	1e
India	338 910	363 060	368 350	313 450	385 000	1e

Iran	113 600	36 527	65 342	77 912	88 715	1a
Iraq	63 800	25 000	0	40 000	40 000	2n
Israel	1 109 200	1 040 700	1 192 900	1 223 600	1 032 900	1n
Jordan	1 727 550	2 285 990	2 667 520	2 557 170	2 780 030	1e
Kazakhstan	410 500	349 500	387 100	348 600	400 000	2n
Korea, North	95 000	95 000	95 000	95 000	95 000	2n
Malawi	2 000	1 900	2 110	430	1 700	1e
Mexico	717 435	520 040	578 830	988 280	692 150	1e
Morocco	8 441 700	8 748 400	8 388 700	8 601 000	10 490 100	1e
Nauru	136 800	58 000	45 700	39 800	50 900	1e
Pakistan	18 890	18 350	15 230	20 730	11 100	1a
Peru	5 640 080	4 136 020	4 241 420	4 013 220	3 211 140	1e
Philippines	3 887	4 340	5 930	8 690	8 600	2n
Russia	4 095 000	4 173 000	4 485 000	4 797 000	4 875 000	1e
Saudi Arabia	364 000	382 200	1 020 000	1 080 000	1 134 000	1e
Senegal	342 120	309 820	589 110	886 500	841 020	1e
South Africa	746 100	703 900	648 300	593 800	727 800	1e
Sri Lanka	17 190	21 910	18 380	13 600	14 850	1e
Syria	270 000	370 000	225 000	100 000	100 000	2n
Tanzania	225 060	162 360	49 020	5 200	300	1e
Thailand	350	500	0	0	2 400	1a
Togo	441 164	394 600	418 100	306 600	266 260	1e
Tunisia	952 200	1 097 400	936 200	1 062 400	1 203 600	1e
Turkey	153 000	181 200	214 000	231 800	0	1e
United States	8 930 000	7 110 000	7 710 000	7 615 000	7 784 000	1e
Uzbekistan	155 000	136 510	166 800	170 000	170 000	2n
Venezuela	29 780	10 030	7 370	5 000	5 000	2n
Vietnam	796 830	741 270	877 020	942 750	971 670	3e
Total	74 517 966	74 877 617	82 823 507	83 643 976	84 529 965	

Potash (K₂O-Content)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Belarus	4 242 700	6 340 000	6 467 900	6 180 100	7 101 800	1e
Brazil	310 892	311 021	304 018	300 000	306 296	1e
Canada	10 196 090	10 817 955	11 461 530	10 789 662	12 406 609	1e
Chile	1 193 390	1 167 980	1 179 560	1 303 840	1 238 630	1e
China	4 300 000	4 400 000	5 714 000	5 783 000	5 997 000	1e
Germany	3 075 201	3 126 913	3 056 528	2 694 126	2 906 481	1e
Iran	3 600	449 700	632 100	929 400	804 900	1a
Israel	1 893 300	1 854 600	1 297 000	2 093 100	2 126 700	1n
Jordan	1 063 840	1 275 460	1 436 550	1 222 140	1 415 260	1e
Laos	82 500	189 400	255 100	198 600	307 600	1e
Russia	6 048 000	7 260 000	6 840 000	6 480 000	6 900 000	2n
Spain	711 272	706 664	667 959	672 246	557 468	3a
United Kingdom	580 000	600 000	610 000	460 000	227 000	1n
United States	960 000	850 000	740 000	500 000	480 000	1e
Uzbekistan	84 600	96 360	103 000	83 000	85 000	1n
Total	34 745 385	39 446 053	40 765 245	39 689 214	42 860 744	

Salt

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Afghanistan	40 992	87 014	88 183	56 928	75 579	1e
Albania	30 575	24 700	22 100	15 500	25 500	1e
Algeria	188 000	192 982	175 500	158 000	165 000	2e
Angola	45 000	45 000	47 845	93 000	101 000	1e
Argentina	1 669 465	1 537 605	1 400 777	1 812 285	1 930 000	3e
Armenia	135 938	149 398	142 605	68 435	137 236	1e
Australia	13 503 221	13 573 324	11 903 561	10 915 520	12 218 780	1e
Austria	1 115 410	1 154 309	974 475	1 034 003	1 156 326	1e
Azerbaijan	32 021	35 156	39 461	63 931	66 968	1e
Bahamas	956 789	1 495 158	970 393	308 007	349 710	1e
Bangladesh	1 753 000	1 627 000	1 282 000	1 620 000	1 660 000	1e
Belarus	2 600 000	1 800 000	2 050 000	2 480 000	2 500 000	2n
Benin	4 800	1 000	500	500	500	2n
Bolivia	2 262	2 419	2 216	4 534	3 358	1e
Bosnia-Herzegovina	727 894	819 327	869 750	966 177	1 029 302	1e
Botswana	521 306	515 311	404 295	399 837	369 613	1e
Brazil	7 275 453	7 501 051	7 676 015	7 600 000	7 600 000	2n
Bulgaria	2 000 000	3 300 000	3 100 000	3 300 000	3 400 000	1a
Cambodia	80 000	147 000	174 000	148 900	32 000	1e
Canada	12 209 108	14 161 562	14 286 373	10 252 161	11 385 580	1e
Cape Verde	1 000	1 000	1 000	1 000	1 000	2n
Chile	6 576 960	10 553 440	11 831 116	8 139 914	7 440 741	1e
China	73 676 000	70 497 100	66 655 400	66 201 000	66 541 700	1e
Colombia	432 410	445 840	417 438	564 194	501 499	1e
Croatia	15 700	0	20 670	15 629	19 006	1e
Cuba	222 400	243 300	284 900	248 000	246 300	1e
Denmark	600 000	600 000	600 000	600 000	600 000	1e
Dominican Republic	7 690	23 670	25 890	26 000	0	1e
Egypt	2 802 000	2 194 000	1 543 000	1 669 000	1 700 000	2n
El Salvador	100 000	100 000	100 000	100 000	100 000	2n
Eritrea	28 000	28 000	28 000	28 000	28 000	2n
Ethiopia	318 402	320 000	320 000	320 000	320 000	2n
France	7 312 200	6 932 600	6 754 200	4 266 248	4 751 174	1e
Germany	17 389 096	13 330 692	13 957 574	14 476 868	15 567 990	1e
Ghana	250 000	250 000	250 000	250 000	250 000	1e
Greece	189 500	146 402	121 537	158 020	163 802	1e
Honduras	30 000	54 400	45 400	59 000	59 000	1e
Iceland	5 000	5 000	5 000	5 000	5 000	2n
India	23 019 300	26 887 100	27 643 700	29 191 600	27 560 000	2e
Indonesia	872 710	1 877 170	2 186 600	141 000	1 110 000	1e
Iran	2 078 682	3 940 112	4 448 463	2 995 025	2 839 430	1a
Iraq	182 000	180 000	180 000	180 000	200 000	2n
Israel	442 000	459 742	333 300	389 240	400 000	2n
Italy	3 543 881	3 200 000	3 030 687	2 550 849	3 195 063	1e
Jamaica	14 166	14 169	14 379	15 354	12 565	1e
Japan	929 000	928 000	938 000	928 000	926 000	1e
Jordan	10 000	8 000	10 000	10 000	10 000	2n
Kazakhstan	531 429	596 508	608 627	730 283	814 509	1e
Kenya	8 895	18 936	21 201	23 425	43 245	1e
Korea, North	500 000	500 000	500 000	500 000	500 000	2n
Korea, South	421 259	303 510	342 844	323 470	308 844	1e
Kuwait	65 243	56 273	64 289	66 664	67 000	2n
Kyrgyzstan	3 900	5 300	4 744	7 000	6 000	1a
Laos	50 000	51 000	35 100	36 398	37 490	1e
Lebanon	20 000	15 000	15 000	3 000	3 000	1e
Libya	30 000	30 000	30 000	30 000	30 000	2n
Madagascar	75 000	80 000	80 000	80 000	80 000	2n

Malta	1 500	1 500	1 600	1 600	1 600	2n
Mauritius	3 800	3 800	1 800	500	1 000	2n
Mexico	10 126 601	10 520 508	9 718 027	9 785 053	8 671 281	1e
Mongolia	2 179	1 852	1 686	478	860	1e
Montenegro	10 000	0	0	0	0	1e
Morocco	488 300	439 160	555 760	634 610	659 263	1a
Mozambique	120 000	150 000	150 000	160 000	160 000	2n
Myanmar	169 109	187 616	129 478	221 270	138 791	1e
Namibia	826 985	797 405	732 980	835 539	866 586	1e
Netherlands	6 518 000	6 485 000	6 742 969	6 625 418	6 935 000	1e
New Zealand	60 000	65 000	101 000	102 000	102 000	2n
Nicaragua	50 000	55 200	55 000	55 000	50 000	2n
Oman	11 800	12 900	12 600	12 100	18 035	1e
Pakistan	2 159 939	2 530 507	2 404 116	3 867 325	3 806 888	1a
Panama	27 197	25 660	23 267	23 470	18 637	1e
Peru	1 205 435	1 175 157	1 471 131	1 450 415	1 481 398	1e
Philippines	992 640	1 050 000	1 000 000	1 238 610	1 250 000	2n
Poland	4 056 000	4 265 085	3 468 000	4 079 000	4 660 000	1a
Portugal	473 095	69 702	30 008	6 092	7 800	1a
Romania	2 397 398	2 058 292	2 180 000	2 100 000	2 340 000	1e
Russia	3 008 000	4 338 000	4 377 000	4 520 000	4 057 000	2e
Saudi Arabia	1 900 000	1 990 000	2 080 000	2 400 000	2 520 000	1e
Senegal	238 888	249 224	268 176	263 218	265 040	1e
Serbia	13 704	12 994	13 202	9 149	8 197	1e
Slovenia	3 360	0	2 191	2 417	2 335	1e
South Africa	477 038	493 798	517 159	473 339	492 844	1e
Spain	4 309 839	4 269 637	4 589 545	4 453 041	4 210 768	3a
Sri Lanka	36 920	102 018	29 243	106 034	74 108	1e
Sudan	20 800	37 295	20 136	22 340	21 495	1e
Switzerland	586 400	434 500	476 941	447 216	448 509	1n
Syria	34 000	30 000	30 000	20 000	10 000	2n
Taiwan	80 966	81 893	78 300	77 300	77 000	2n
Tajikistan	31 000	34 553	35 554	35 238	41 323	1e
Tanzania	36 032	54 757	168 900	178 200	124 500	1e
Thailand	1 300 156	1 381 067	1 385 911	1 390 548	1 497 223	1a
Tunisia	1 293 880	1 124 019	1 280 000	1 130 000	1 200 000	2n
Turkey	5 613 506	5 331 412	6 257 320	5 328 256	6 644 552	1e
Turkmenistan	100 000	91 651	100 000	100 000	100 000	2n
Ukraine	5 796 287	2 497 706	2 136 500	1 783 530	1 815 684	1e
United Kingdom	6 930 000	4 690 000	4 600 000	4 500 000	4 500 000	2n
United States	39 900 000	45 300 000	45 100 000	42 000 000	43 000 000	2e
Venezuela	508 000	610 000	642 000	640 000	600 000	1e
Vietnam	718 700	905 600	1 061 000	982 000	854 300	3e
Yemen	85 000	85 000	70 000	50 000	50 000	2n
Total	290 367 511	297 085 048	293 156 608	278 737 205	284 428 827	

Sulfur

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Algeria	8 400	5 800	5 000	6 000	6 000	2n
Armenia	51 000	10 300	10 400	8 500	8 100	1e
Australia	860 000	900 000	900 000	900 000	900 000	2b
Austria	9 789	8 280	8 502	5 474	7 691	1e
Bahrain	131 100	133 650	126 780	123 630	131 070	1e
Brazil	560 000	540 000	530 000	530 000	530 000	1e
Bulgaria	442 300	428 100	438 500	395 500	501 000	1e

Canada	6 301 000	5 842 000	5 745 000	5 381 000	5 464 000	1e
Chile	1 770 600	1 842 700	1 867 600	1 865 200	1 781 400	1e
China	10 500 000	12 000 000	10 000 000	9 150 000	8 940 000	1e
Colombia	52 470	48 513	76 239	76 331	77 000	2n
Denmark	3 599	4 435	93 024	6 144	4 004	1e
Egypt	80 000	60 000	60 000	60 000	80 000	2n
Finland	828 000	845 000	847 000	852 700	937 000	1n
France	400 000	400 000	380 000	380 000	500 000	2n
Germany	754 540	708 146	627 797	577 684	537 882	1e
Greece	230 000	220 000	155 000	185 000	210 000	2n
India	2 263 625	2 564 808	2 741 100	2 960 800	3 475 200	1e
Indonesia	540 000	540 000	540 000	540 000	500 000	2n
Iran	2 100 000	2 100 000	2 200 000	2 200 000	2 200 000	2b
Iraq	37 500	37 000	40 000	40 000	40 000	2n
Italy	740 000	740 000	666 600	765 200	810 000	1e
Japan	3 464 700	3 502 600	3 420 900	3 517 800	3 488 600	1n
Jordan	268 800	304 800	254 900	130 000	130 000	2n
Kazakhstan	2 900 000	2 950 000	3 150 000	2 850 000	3 789 700	1n
Korea, North	42 000	42 000	20 500	10 000	10 000	2n
Korea, South	1 750 000	1 800 000	1 960 000	2 000 000	2 000 000	1e
Kuwait	850 000	823 860	753 500	750 000	556 800	1n
Libya	70 000	97 000	90 000	75 000	75 000	1e
Lithuania	81 400	76 600	84 000	94 520	93 970	1e
Mexico	1 030 259	992 939	858 527	673 285	551 218	1e
Norway	130 000	130 000	110 000	110 000	100 000	2n
Oman	32 800	41 950	43 295	35 560	59 140	1e
Pakistan	20 610	35 672	19 730	14 869	23 740	1a
Peru	561 900	533 800	565 500	551 100	536 200	1e
Philippines	25 500	84 800	1 026 400	1 134 400	1 056 400	1e
Poland	833 900	629 620	651 420	645 000	686 210	1a
Qatar	2 000 000	2 136 000	2 377 000	2 419 000	2 000 000	1n
Russia	6 800 000	7 300 000	6 720 000	6 960 000	7 000 000	2b
Saudi Arabia	3 900 000	4 400 000	4 900 000	5 969 900	6 564 200	1n
South Africa	270 173	277 018	284 381	280 830	256 700	1e
Spain	640 000	650 000	520 000	646 600	633 000	2n
Taiwan	192 292	195 280	211 200	195 100	203 000	2n
Turkey	112 700	98 800	78 600	78 000	92 500	1e
Turkmenistan	300 000	505 905	600 000	400 000	200 000	2n
Ukraine	120 000	120 000	120 000	120 000	130 000	2n
United Arab Emirates	2 100 000	2 300 000	4 540 000	4 800 000	4 600 000	2e
United Kingdom	313 000	134 000	135 000	133 000	130 000	2n
United States	9 210 000	9 640 000	9 540 000	9 740 000	9 660 000	1e
Venezuela	800 000	800 000	700 000	700 000	700 000	2b
Zambia	310 000	300 000	300 000	363 000	679 500	1n
Total	67 793 957	70 881 376	72 093 395	72 406 127	73 646 225	

Talc

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	31 905	47 442	33 774	16 266	15 330	3e
Australia	105 000	120 000	80 000	100 000	100 000	2n
Austria	134 814	131 108	122 326	123 040	123 558	1e
Bhutan	9 584	12 601	5 807	2 261	1 293	1e
Brazil	592 844	535 229	483 611	500 000	500 000	2n
Canada	175 000	90 000	175 000	199 000	225 000	1e
China	2 200 000	2 200 000	2 200 000	2 000 000	1 800 000	1e

Colombia	90	562	55	103	59	1e
Egypt	63 358	20 000	24 360	30 000	30 000	2n
Finland	361 840	380 821	332 174	345 739	354 819	1e
France	400 000	450 000	450 000	450 000	470 000	2b
Guatemala	3 254	3 368	3 779	2 733	1 982	1e
India	1 112 602	1 921 087	1 094 101	1 375 293	1 696 300	2e
Iran	92 958	52 492	150 965	87 899	86 514	1a
Italy	162 234	165 000	165 000	165 000	165 000	2n
Japan	370 000	375 000	375 000	375 000	375 000	2n
Korea, North	50 000	50 000	50 000	40 000	40 000	2n
Korea, South	527 609	628 349	603 231	592 247	434 292	1e
Macedonia	621	483	598	729	478	1e
Mexico	846 813	752 077	20 452	11 392	1 280	1e
Nepal	5 140	5 703	5 255	1 860	7 096	1a
Nigeria			0	667	1 897	1e
Pakistan	93 214	89 022	116 223	125 985	152 279	1a
Peru	64 577	46 706	52 990	29 379	42 123	1e
Portugal	11 348	14 942	11 204	11 699	13 600	1a
Russia	160 000	150 000	150 000	150 000	150 000	2n
Saudi Arabia	6 000	7 000	40 000	42 000	44 000	1e
Slovakia	2 000	3 300	1 400	800	14 000	1a
South Africa	22 303	27 327	21 849	23 576	58 776	1e
Sudan		0	3 000	4 250	4 000	2n
Taiwan	362	133	162	250	250	2n
Thailand	34 700	57 308	52 268	103 926	61 436	1a
Turkey	103 004	114 414	182 362	203 214	474 482	1e
United Kingdom	2 947	4 907	5 430	2 997	3 000	2n
United States	542 000	609 987	615 000	536 000	550 000	1e
Uruguay	708	360	585	290	100	1e
Total	8 288 829	9 066 728	7 627 961	7 653 595	7 997 944	

Vermiculite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Argentina	120	90	90	60	0	1e
Australia	9 091	0	0	0	0	1e
Brazil	60 379	56 444	54 250	53 330	50 050	1e
China	50 000	50 000	50 000	50 000	50 000	2n
Egypt	2 750	2 700	3 000	3 000	3 000	2n
India	11 851	15 327	23 279	9 042	6 055	1e
Iran	1 200	1 200	1 000	1 000	0	2n
Kenya	400	440	410	100	0	2n
Mexico	425	226	299	310	0	1e
Russia	20 900	21 000	21 000	20 000	20 000	2b
South Africa	127 658	143 007	138 290	166 483	166 084	1e
Turkey	1 604	716	425	1 050	1 618	1e
Uganda	2 296	2 661	1 213	3 295	4 119	1e
United States	100 000	100 000	100 000	100 000	100 000	2e
Zimbabwe	28 808	30 740	30 868	29 312	23 302	1e
Total	417 482	424 551	424 124	436 982	424 228	

Zircon

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	388 000	752 826	687 326	600 000	570 000	1e
Brazil	21 154	23 659	22 647	22 000	22 000	2n
China	150 000	140 000	140 000	100 000	116 000	1e
India	20 626	23 659	18 437	29 256	30 000	2n
Indonesia	49 400	21 000	30 900	34 800	26 780	1n
Kenya	0	15 004	25 951	39 687	42 217	1e
Madagascar	31 345	27 275	11 879	15 582	25 950	1e
Malaysia	379	677	826	653	1 958	1e
Mozambique	31 400	50 800	51 800	68 200	74 000	1n
Nigeria	1 527	1 034	1 825	891	4 086	1e
Russia	8 504	7 930	8 180	7 704	7 324	1n
Senegal	0	9 040	45 248	52 627	61 563	1n
Sierra Leone	2 950	2 416	1 389	1 329	3 000	1n
South Africa	224 446	398 101	377 767	377 430	332 650	1n
Sri Lanka	228	1 335	614	7 749	24 486	1e
Turkey	0	1 100	1 500	500	1 200	1e
Ukraine	41 000	35 000	30 000	29 280	26 500	1n
United States	78 000	65 000	60 000	50 000	45 000	1e
Vietnam	26 000	15 730	8 000	9 300	5 500	1n
Total	1 074 959	1 591 586	1 524 289	1 446 988	1 420 214	

6.4.5 Mineral Fuels

Steam Coal

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Afghanistan	1 347 000	1 517 400	1 364 800	1 698 200	2 191 400	1e
Argentina	183 243	173 848	48 764	40 597	37 713	1e
Australia	236 601 000	247 956 000	256 014 000	249 568 000	253 795 000	1p
Bangladesh	854 804	947 125	675 775	1 021 638	1 160 658	1n
Bhutan	77 744	121 891	85 164	117 783	161 527	1e
Botswana	1 495 653	1 711 555	2 065 778	1 870 939	2 215 782	1e
Brazil	4 955 596	4 518 466	3 644 350	3 525 735	3 325 439	1e
Bulgaria	23 400	0	9 600	5 900	0	1a
Canada	25 876 000	27 966 000	24 785 000	26 353 000	25 257 000	1p
Chile	2 902 444	4 168 185	3 161 726	2 525 171	2 495 390	1e
China	2 984 054 000	2 847 246 000	2 812 582 000	2 510 708 000	2 619 052 000	1p
Colombia	80 600 000	83 468 235	80 716 510	86 622 000	84 795 450	1e
Czech Republic	4 042 400	3 930 280	3 884 180	3 095 300	2 337 100	1a
France	313 000	300 000	0	0	0	1e
Georgia	397 000	299 300	305 900	296 500	268 100	1e
Germany	3 209 700	3 224 800	2 626 600	1 807 100	1 409 800	1e
India	508 947 000	551 733 000	578 343 000	596 207 000	635 253 000	1e
Indonesia	489 476 000	487 291 000	452 542 000	460 137 000	461 248 184	1e
Iran	183 000	166 000	186 000	206 000	206 000	1p
Italy	62 107	86 000	73 000	59 000	47 000	1e
Kazakhstan	99 916 000	89 185 000	84 773 000	81 856 000	84 758 000	1p
Korea, North	26 600 000	27 090 000	27 490 000	31 060 000	18 893 000	1p

Korea, South	1 815 000	1 748 000	1 764 050	1 727 046	1 485 582	1e
Kyrgyzstan	251 000	291 700	345 000	248 000	248 000	2p
Laos	104 260	105 564	106 028	138 809	133 284	1e
Malawi	67 024	63 673	58 774	43 338	45 230	1e
Malaysia	2 907 463	2 687 764	2 559 444	2 414 764	2 988 211	1e
Mexico	13 065 353	13 453 540	7 492 620	8 130 459	7 279 817	1e
Mongolia	12 684 000	14 126 000	3 882 000	5 496 000	15 589 000	1p
Mozambique	2 312 973	2 546 586	1 813 717	2 214 199	4 391 833	1e
Myanmar	535 000	642 000	697 000	317 000	646 900	1e
Nepal	14 084	8 151	6 754	2 900	10 237	1a
New Zealand	2 184 000	1 901 000	1 732 000	1 386 000	1 449 000	1p
Niger	241 792	255 936	221 024	246 631	233 792	1e
Nigeria	40 360	127 467	144 880	989 155	397 214	1e
Norway	2 067 522	1 701 077	1 203 382	960 341	134 433	1e
Pakistan	2 813 079	3 340 192	3 407 659	3 749 312	3 953 992	1a
Peru	211 885	229 213	251 788	268 883	301 446	1e
Philippines	7 564 790	8 420 000	8 170 000	11 211 000	11 932 000	1e
Poland	64 601 000	60 252 000	59 191 000	57 181 000	52 999 000	1p
Romania	47 000	80 000	10 000	0	0	1p
Russia	204 900 000	211 800 000	215 500 000	226 526 100	246 751 300	1e
South Africa	252 928 000	257 016 000	252 177 000	251 567 000	252 691 000	1p
Spain	2 574 258	2 607 182	1 557 251	1 101 907	1 161 748	3a
Swaziland	257 090	177 930	141 733	158 418	202 277	1e
Tajikistan	518 000	878 131	1 042 491	1 361 575	1 760 090	1e
Tanzania	128 920	246 128	257 321	276 030	563 053	1e
Turkey	2 050 000	1 803 000	1 525 000	2 070 000	1 869 000	1p
Ukraine	44 764 000	33 634 000	23 852 700	25 121 500	18 932 900	1e
United Kingdom	12 493 000	11 549 000	8 526 000	4 124 800	3 002 400	1e
United States	743 730 000	760 930 000	689 985 000	543 539 000	572 577 000	1p
Uzbekistan	56 000	407 249	412 000	160 000	160 000	1e
Venezuela	1 229 309	800 640	801 697	749 000	450 000	1e
Vietnam	41 064 000	41 086 000	41 664 000	38 735 000	38 237 000	3e
Zambia	415 233	159 151	103 439	126 050	70 808	1e
Zimbabwe	2 598 000	5 341 000	3 886 000	1 185 000	2 462 000	1p
Total	5 895 350 486	5 823 515 359	5 669 865 899	5 252 307 080	5 444 017 090	

Coking Coal

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	159 494 200	180 295 000	191 056 000	189 302 000	190 000 000	1p
Canada	34 063 000	32 500 000	27 341 000	25 016 000	26 860 000	1p
China	600 694 000	619 764 000	593 047 000	547 017 000	539 578 000	1p
Colombia	4 893 000	5 104 123	4 823 870	4 438 000	6 078 000	1e
Czech Republic	4 567 610	4 410 720	3 755 820	2 978 700	2 532 900	1a
Germany	4 356 700	4 415 100	3 596 100	2 041 900	2 258 700	1e
India	56 818 000	57 446 000	60 887 000	61 661 000	40 147 000	1e
Indonesia	2 244 000	3 300 000	2 230 000	3 340 000	1 840 000	1p
Iran	922 000	909 000	909 000	909 000	909 000	1p
Kazakhstan	12 968 000	17 906 000	17 020 000	15 468 000	15 468 000	1p
Mexico	2 216 314	2 561 600	2 439 408	5 551 135	4 566 000	1p
Mongolia	6 933 000	6 165 000	12 613 000	19 998 000	25 773 000	1p
Mozambique	3 556 776	3 784 603	4 786 612	3 972 122	7 385 930	1e
New Zealand	2 152 000	1 760 000	1 333 000	1 171 000	1 173 000	1p
Poland	12 116 000	12 288 000	12 985 000	13 204 000	12 380 000	1p
Russia	74 400 000	76 300 000	82 900 000	83 800 000	86 200 000	1e
South Africa	3 354 000	3 524 000	3 248 000	3 742 000	4 416 000	1p

Turkey	817 000	861 000	767 000	695 000	675 000	1p
Ukraine	19 663 000	12 297 000	6 063 900	6 508 800	5 233 900	1e
United Kingdom	179 000	99 000	72 000	53 000	38 660	1e
United States	77 857 000	72 717 000	57 521 000	50 136 000	65 427 000	1p
Zimbabwe	516 000	442 000	450 000	451 000	466 000	1p
Total	1 084 780 600	1 118 849 146	1 089 844 710	1 041 453 657	1 039 406 090	

Lignite

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Albania	0	0	276 000	16 800	183 200	1e
Australia	73 000 000	60 700 000	65 361 000	61 473 000	57 261 000	1p
Bosnia-Herzegovina	10 343 680	11 750 901	12 172 292	13 481 012	14 033 504	1e
Brazil	3 638 734	3 417 779	2 709 305	3 480 217	1 488 084	1e
Bulgaria	28 631 300	31 435 100	35 938 100	31 434 200	34 587 500	1a
Canada	8 969 000	8 570 000	10 259 000	9 962 000	9 247 000	1p
Czech Republic	40 585 000	38 348 000	38 251 000	38 646 000	39 310 000	1a
Germany	182 995 000	178 155 000	178 065 000	171 552 350	171 285 700	1e
Greece	55 500 000	50 800 000	46 308 120	32 674 790	37 802 600	1a
Hungary	9 552 700	9 553 700	9 263 180	9 232 810	7 890 000	1a
India	44 271 000	48 270 000	43 842 000	45 230 000	46 255 000	1e
Kazakhstan	6 690 000	6 894 000	5 526 000	5 750 000	5 739 000	1p
Kosovo	8 219 393	7 204 211	8 240 994	8 800 848	7 574 697	1e
Kyrgyzstan	1 157 000	1 505 000	1 584 000	1 603 000	1 603 000	2p
Laos	403 925	26 320	4 464 068	13 097 121	13 439 492	1e
Macedonia	6 681 752	6 482 070	5 936 597	5 130 055	5 056 918	1e
Mongolia	6 330 000	6 073 000	5 755 000	6 672 000	6 783 000	1p
Montenegro	1 692 535	1 655 045	1 772 900	1 397 500	1 474 800	1e
Myanmar	42 000	50 000	54 000	233 000	90 000	1a
New Zealand	290 400	316 692	324 086	313 035	319 487	1e
Poland	65 849 000	64 002 000	63 135 000	60 273 000	63 060 000	1a
Romania	24 732 000	23 565 000	25 492 000	22 980 000	25 752 300	1e
Russia	73 700 000	68 900 000	73 600 000	73 500 000	74 900 000	1e
Serbia	39 513 474	29 204 294	37 029 091	38 440 527	39 774 000	1e
Slovakia	2 275 330	2 078 960	1 941 007	1 956 510	1 860 710	1a
Slovenia	3 721 188	3 108 203	3 168 001	3 348 889	3 355 664	1e
Spain	1 826 681	1 230 444	1 723 731	730 470	1 833 357	3a
Thailand	18 110 763	17 981 722	15 150 549	16 978 601	16 258 637	1a
Turkey	63 816 100	61 500 000	56 349 700	71 691 000	75 395 000	1p
United States	70 061 900	72 110 700	64 281 500	64 692 400	61 394 500	1e
Uzbekistan	4 034 000	3 989 586	3 988 000	3 717 400	3 878 670	1e
Total	856 633 855	818 877 727	821 961 221	818 488 535	828 886 820	

Natural Gas

Country	2013 Mio m ³	2014 Mio m ³	2015 Mio m ³	2016 Mio m ³	2017 Mio m ³	Rem
Afghanistan	155	142	146	165	156	1e
Albania	18	31	34	88	91	1e
Algeria	82 430	83 296	84 583	94 953	96 599	1e
Angola	910	720	770	1 710	3 100	1p
Argentina	37 740	37 830	39 190	40 760	39 740	1e

Australia	62 479	67 335	76 791	97 328	113 805	1e
Austria	1 359	1 245	1 183	1 253	1 742	1e
Azerbaijan	17 895	18 827	19 236	18 718	18 186	1e
Bahrain	14 670	15 400	15 350	15 200	15 230	1e
Bangladesh	22 670	23 223	25 264	27 558	27 513	1n
Barbados	21	21	20	20	20	2n
Belarus	228	222	225	215	205	1e
Bolivia	21 269	22 385	21 994	21 280	20 680	1e
Brazil	22 988	24 536	24 862	25 337	28 663	1e
Brunei	12 207	11 852	11 259	10 860	12 007	1p
Bulgaria	282	183	85	80	65	1a
Cameroon	150	310	370	360	436	1e
Canada	145 395	151 352	154 275	156 807	159 385	1e
Chile	893	907	1 064	1 175	1 200	1e
China	120 858	130 157	134 610	136 865	148 035	1e
Colombia	12 970	12 830	11 860	9 900	8 900	1e
Congo, Rep.	1 660	1 500	1 500	1 400	1 390	1o
Cote d'Ivoire	2 104	2 109	2 177	2 395	2 233	1e
Croatia	1 963	1 824	1 781	1 647	1 484	1e
Cuba	1 066	1 200	1 245	1 185	1 051	1e
Czech Republic	207	198	200	169	171	1a
Denmark	4 815	4 620	4 603	4 535	4 820	1e
Ecuador	515	578	497	528	463	1n
Egypt	53 960	46 960	42 590	40 250	49 020	1r
Equatorial Guinea	6 550	6 160	6 200	8 740	9 600	1e
France	340	20	30	40	51	1e
Gabon	300	330	466	530	565	1e
Georgia	9	10	11	7	9	1e
Germany	10 751	10 127	9 388	8 673	7 932	1e
Ghana	0	60	733	660	940	1e
Greece	5	5	4	9	8	1a
Hungary	2 060	1 933	1 887	1 823	1 605	1e
India	35 407	33 657	32 249	31 897	31 806	1e
Indonesia	77 230	76 110	75 740	74 670	72 420	1e
Iran	164 280	183 050	191 420	203 160	223 890	1r
Iraq	7 070	7 530	7 300	9 900	10 390	1r
Ireland	160	140	120	2 750	3 170	1e
Israel	5 710	6 760	7 410	8 250	8 720	1e
Italy	7 735	7 149	6 771	5 785	5 538	1e
Japan	2 995	2 822	2 734	2 754	3 008	1e
Jordan	150	130	122	116	102	1e
Kazakhstan	30 505	31 238	33 386	28 466	31 587	1e
Korea, South	444	308	180	148	326	1e
Kuwait	16 311	15 029	16 909	17 291	17 102	1e
Kyrgyzstan	32	34	54	30	27	1e
Libya	12 160	11 830	12 370	11 240	11 530	1r
Malaysia	64 818	65 441	63 425	67 557	70 290	1e
Mexico	45 110	44 360	40 310	34 350	30 470	1e
Morocco	92	94	87	44	44	1e
Mozambique	4 350	4 710	5 050	5 160	5 110	1e
Myanmar	13 660	18 500	19 700	18 490	18 350	1e
Netherlands	82 316	68 629	52 131	50 324	43 867	1e
New Zealand	4 526	5 016	4 596	4 843	4 759	1e
Nigeria	36 170	44 580	52 700	48 640	50 630	1e
Norway	108 746	108 824	117 117	116 766	124 157	1e
Oman	34 718	33 207	34 668	35 401	36 288	1e
Pakistan	42 646	42 302	41 511	41 958	41 684	1a
Papua New Guinea	156	1 639	2 941	3 128	3 286	1e
Peru	12 192	12 924	12 495	14 001	12 942	1e
Philippines	3 510	3 691	3 470	3 976	3 922	1e
Poland	5 886	5 258	5 214	5 073	5 009	1a
Qatar	163 253	159 994	166 785	168 918	169 087	1p

Romania	10 854	11 056	11 092	9 811	10 582	1e
Russia	668 200	641 900	635 500	641 000	691 800	1e
Saudi Arabia	100 030	102 380	104 450	110 860	115 000	1e
Senegal	41	35	23	21	17	1e
Serbia	468	467	432	399	377	1e
Slovakia	100	91	91	93	90	1a
Slovenia	3	3	3	5	9	1e
South Africa	824	1 061	1 312	807	737	1e
Spain	62	26	16	8	13	3a
Syria	5 120	4 740	4 160	3 630	3 620	1o
Taiwan	381	379	374	321	266	1e
Tajikistan	4	3	4	3	2	1e
Tanzania	1 018	958	1 053	1 368	1 344	1e
Thailand	41 799	42 096	39 793	39 037	37 383	1e
Trinidad and Tobago	42 841	42 077	39 617	34 418	34 789	1e
Tunisia	2 859	2 611	2 529	2 236	2 094	1e
Turkey	562	502	399	382	364	1e
Turkmenistan	62 350	72 739	71 900	66 940	62 030	1r
Ukraine	21 300	20 100	19 900	20 052	20 510	1e
United Arab Emirates	54 600	54 240	58 680	59 560	60 450	1r
United Kingdom	37 308	37 680	40 466	41 607	42 094	1e
United States	685 430	733 120	766 410	753 010	772 810	1e
Uzbekistan	59 630	61 740	62 196	56 136	56 417	1e
Venezuela	30 590	31 790	36 070	38 040	37 440	1r
Vietnam	9 751	10 210	10 660	10 610	9 866	3e
Yemen	9 544	9 741	2 850	500	500	1p
Total	3 491 899	3 557 139	3 615 428	3 639 163	3 777 215	

Petroleum

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Albania	1 206 600	1 368 200	1 279 220	1 055 730	958 940	1e
Algeria	64 784 000	68 582 000	67 064 000	68 417 000	66 667 000	1e
Angola	86 455 000	84 104 000	89 457 000	85 152 000	82 077 000	1p
Argentina	26 881 400	26 492 600	26 508 000	25 487 500	23 878 900	1e
Australia	19 574 100	20 990 900	18 484 300	17 188 300	16 524 800	1e
Austria	917 148	944 832	905 931	809 189	741 890	1e
Azerbaijan	43 457 000	42 076 000	41 628 300	41 050 400	38 688 400	1e
Bahrain	2 384 100	2 428 600	2 518 200	2 422 200	2 202 200	1e
Bangladesh	264 600	321 000	417 400	559 240	592 650	1n
Barbados	34 710	31 960	34 030	34 000	32 000	2n
Belarus	1 645 000	1 645 000	1 645 000	1 645 000	1 650 000	1e
Bolivia	2 940 200	3 141 700	3 027 200	2 817 500	2 711 300	1e
Brazil	105 253 200	116 813 400	125 806 800	130 144 400	136 052 700	1e
Brunei	6 644 000	6 218 000	6 557 000	5 944 000	5 539 000	1p
Bulgaria	26 900	26 200	23 700	22 600	21 930	1a
Cameroon	3 311 200	3 751 100	4 770 500	4 595 300	3 781 000	1e
Canada	174 117 000	187 908 500	193 191 900	194 142 500	210 514 300	1e
Chad	4 830 600	4 980 000	5 976 000	5 478 000	6 374 400	1e
Chile	361 290	357 540	257 100	215 080	177 760	1e
China	209 919 000	211 429 000	214 555 800	199 685 200	191 506 100	1e
Colombia	49 895 120	49 308 600	50 058 800	44 226 200	42 519 290	1e
Congo, D.R.	1 139 120	1 140 580	1 124 940	1 068 970	1 027 850	1e
Congo, Rep.	12 057 800	12 483 600	12 139 600	12 838 700	14 442 000	1e
Cote d'Ivoire	1 246 700	941 400	1 464 300	2 104 100	1 696 900	1e
Croatia	573 100	575 960	657 550	737 100	744 500	1e

Cuba	2 897 100	2 905 300	2 822 000	2 619 000	2 400 000	2n
Czech Republic	152 000	148 000	126 000	116 000	106 000	1a
Denmark	8 697 319	8 131 039	7 689 812	6 924 374	6 735 436	1e
Ecuador	26 205 000	27 699 000	27 038 000	27 377 000	26 452 000	1e
Egypt	34 361 000	35 140 200	35 431 000	33 835 000	32 178 000	1r
Equatorial Guinea	13 297 000	13 994 000	13 744 800	11 503 800	10 557 600	1o
France	793 000	766 000	835 000	816 000	758 000	1e
Gabon	11 010 000	10 980 000	11 920 000	11 480 000	11 060 000	1e
Georgia	51 017	42 600	40 200	38 600	32 000	1e
Germany	2 638 379	2 429 789	2 412 643	2 355 028	2 218 406	1e
Ghana	5 266 500	5 328 400	5 351 200	4 614 000	8 379 700	1e
Greece	83 121	70 139	72 649	173 486	139 551	1a
Guatemala	497 200	500 400	499 800	448 100	480 000	1e
Hungary	610 000	594 000	633 072	732 702	705 274	1a
India	37 778 000	37 461 000	36 951 000	36 009 000	35 684 000	1e
Indonesia	41 033 200	39 269 800	39 121 400	41 488 400	39 879 800	1e
Iran	169 862 470	174 272 970	180 460 470	216 801 550	234 191 690	1r
Iraq	152 030 440	158 809 600	195 614 960	217 606 460	221 497 210	1r
Israel	63 220	81 960	76 170	115 040	76 290	1e
Italy	5 502 000	5 765 000	5 470 000	3 746 000	4 140 000	1e
Japan	618 500	579 700	536 700	494 000	505 400	1e
Jordan	1 100	800	500	400	300	1e
Kazakhstan	81 786 700	80 825 600	79 456 300	78 031 800	86 194 400	1e
Korea, South	39 500	26 960	15 630	14 130	29 610	1e
Kuwait	145 650 100	142 766 600	142 322 500	147 074 800	134 671 200	1e
Kyrgyzstan	83 000	81 000	173 000	148 000	169 200	1e
Libya	46 563 390	23 379 620	20 284 420	20 061 740	40 756 440	1r
Lithuania	86 030	81 920	73 100	63 500	55 830	1e
Malaysia	28 249 000	30 023 000	32 580 100	33 193 400	32 871 700	1e
Mauritania	334 800	296 000	263 700	235 600	165 600	1e
Mexico	141 190 150	136 500 500	126 917 250	120 452 130	109 117 210	1e
Mongolia	699 600	1 010 100	1 183 000	1 125 300	1 039 900	1e
Morocco	6 000	5 200	4 998	4 850	4 350	1e
Mozambique	56 810	40 690	63 720	65 080	55 790	1e
Myanmar	847 600	810 500	654 900	598 400	553 300	1e
Netherlands	1 558 700	1 943 700	1 844 700	1 273 800	1 222 000	1e
New Zealand	1 605 500	1 788 300	1 869 700	1 584 650	1 404 490	1e
Niger	886 300	853 400	744 600	820 300	909 200	1e
Nigeria	109 187 000	95 410 000	106 050 000	89 588 000	94 081 000	1e
Norway	84 299 800	86 345 500	88 922 900	91 439 900	89 769 200	1e
Oman	46 894 300	46 972 000	48 844 500	50 135 200	48 326 500	1e
Pakistan	3 663 100	4 155 885	4 627 053	4 246 335	4 329 141	1a
Papua New Guinea	1 490 500	2 395 600	2 951 500	2 907 400	2 656 600	1e
Peru	8 339 900	8 599 600	7 438 300	6 744 300	6 688 300	1e
Philippines	814 000	988 200	839 700	838 800	750 300	1e
Poland	962 000	918 750	898 870	957 050	939 240	1a
Qatar	80 155 000	79 898 000	77 337 000	79 505 000	79 061 000	1p
Romania	4 131 000	4 052 000	4 003 000	3 801 000	3 635 000	1e
Russia	523 300 000	526 650 000	533 551 300	547 306 140	546 742 200	1e
Saudi Arabia	538 426 000	543 441 000	567 931 400	586 597 800	561 715 720	1r
Senegal	15 800	30 100	22 900	3 320	12 960	1e
Serbia	1 234 000	1 310 000	1 050 000	960 000	921 000	1e
Slovakia	13 310	11 740	12 010	9 490	8 160	1a
Slovenia	412	461	359	379	481	1e
South Africa	80 154	88 803	70 978	38 796	31 145	1e
South Sudan	4 912 400	7 652 300	7 277 200	5 792 100	5 347 200	1r
Spain	367 568	305 253	229 568	139 176	118 809	3a
Sudan	6 151 600	3 951 500	3 914 700	4 733 100	4 310 200	1e
Suriname	815 700	836 100	842 950	815 700	811 600	1e
Syria	2 686 500	1 460 000	1 197 800	1 101 250	1 078 300	1r
Taiwan	9 000	7 800	7 900	7 200	4 600	1e
Tajikistan	27 000	24 508	24 630	25 134	23 482	1e

Thailand	11 980 493	11 592 740	12 347 720	12 858 470	11 939 690	1e
Trinidad and Tobago	4 039 477	4 046 848	3 917 069	3 560 000	3 576 835	1e
Tunisia	3 194 275	2 850 325	2 584 915	2 438 315	2 063 960	1e
Turkey	2 398 454	2 455 893	2 515 662	2 571 928	2 551 929	1e
Turkmenistan	11 384 500	11 588 800	12 723 740	12 297 080	12 447 590	1r
Ukraine	3 100 000	2 762 000	2 533 300	2 272 100	2 169 900	1e
United Arab Emirates	165 102 700	166 197 200	174 982 830	181 607 920	176 318 690	1r
United Kingdom	41 100 800	40 327 750	45 698 100	47 872 100	46 915 800	1e
United States	446 955 940	522 513 040	565 287 940	543 068 290	571 034 890	1r
Uzbekistan	3 146 000	2 961 000	2 750 000	2 538 000	2 437 000	1p
Venezuela	137 781 400	138 510 300	135 364 100	123 118 900	108 297 200	1r
Vietnam	16 705 000	17 392 000	18 746 000	17 230 000	15 518 000	3e
Yemen	9 387 600	7 582 000	1 520 000	933 000	1 854 000	1p
Total	4 057 262 317	4 139 748 455	4 283 869 459	4 301 940 302	4 307 007 309	

Oil Sands (part of Petroleum)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Canada	96 561 400	107 547 300	117 897 700	120 401 300	132 970 300	1e
Venezuela	29 880 000	30 100 000	29 980 000	29 000 000	25 000 000	2n
Total	126 441 400	137 647 300	147 877 700	149 401 300	157 970 300	

Oil Shales

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Austria	173	203	68	169	170	2n
Estonia	20 511 000	20 995 000	19 616 000	15 764 000	21 625 000	1e
France	2 000	2 000	2 000	2 000	2 000	2n
Germany	441 580	506 693	468 470	492 777	481 803	1e
Israel	420 900	395 600	420 100	423 100	449 100	1e
Total	21 375 653	21 899 496	20 506 638	16 682 046	22 558 073	

Uranium (U₃O₈)

Country	2013 metr. t	2014 metr. t	2015 metr. t	2016 metr. t	2017 metr. t	Rem
Australia	7 538	6 014	6 668	7 352	6 302	1e
Brazil	234	67	51	0	0	1d
Canada	11 003	11 533	15 659	16 666	13 378	1e
China	1 769	1 769	1 906	1 906	2 223	1d
Czech Republic	274	195	158	151	66	1a
France	0	4	2	0	0	1d
Germany	32	39	0	53	40	1e
India	472	454	454	454	496	2d
Kazakhstan	26 533	26 920	28 072	29 113	27 583	1e
Malawi	1 335	435	0	0	0	1e

Namibia	4 878	3 839	3 473	4 308	4 981	1e
Niger	4 994	4 901	4 852	4 101	4 066	1n
Pakistan	48	53	53	53	53	1d
Romania	94	91	91	59	0	2d
Russia	3 697	3 526	3 602	3 543	3 440	1n
South Africa	626	668	528	450	304	1e
Ukraine	1 087	1 092	1 156	1 185	986	1e
United States	2 113	2 219	1 516	1 323	1 108	1e
Uzbekistan	3 909	4 010	4 100	4 090	4 000	1e
Total	70 636	67 829	72 341	74 807	69 026	

6.5 Share of World Mineral Production 2017, by Countries

6.5.1 Iron and Ferro-Alloy Metals

Iron (Fe-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	548 297 062	34.35	34.35	1 179.95
2	(2)	China	331 931 000	20.80	55.15	432.44
3	(3)	Brazil	273 695 000	17.15	72.29	294.01
4	(4)	India	124 592 100	7.81	80.10	60.93
5	(5)	Russia	59 400 000	3.72	83.82	13.85
6	(6)	South Africa	48 657 340	3.05	86.87	9.29
7	(7)	Ukraine	38 767 600	2.43	89.30	5.90
8	(9)	United States	29 988 000	1.88	91.18	3.53
9	(8)	Canada	26 709 500	1.67	92.85	2.80
10	(10)	Iran	21 884 000	1.37	94.22	1.88
11	(11)	Sweden	17 408 000	1.09	95.31	1.19
12	(12)	Kazakhstan	11 705 660	0.73	96.04	0.54
13	(13)	Chile	9 549 327	0.60	96.64	0.36
14	(14)	Mauritania	7 678 500	0.48	97.12	0.23
15	(15)	Mexico	7 027 520	0.44	97.56	0.19
16	(18)	Turkey	6 095 400	0.38	97.94	0.15
17	(16)	Peru	5 988 390	0.38	98.32	0.14
18	(17)	Venezuela	4 615 000	0.29	98.61	0.08
19	(20)	Mongolia	4 309 030	0.27	98.88	0.07
20	(19)	Sierra Leone	3 194 930	0.20	99.08	0.04
21	(23)	Vietnam	3 044 400	0.19	99.27	0.04
22	(25)	Malaysia	2 439 130	0.15	99.42	0.02
23	(22)	New Zealand	2 020 000	0.13	99.55	0.02
24	(28)	Liberia	1 160 500	0.07	99.62	0.01
25	(24)	Norway	992 700	0.06	99.68	0.00
26	(27)	Austria	954 156	0.06	99.74	0.00
27	(26)	Bosnia-Herzegovina	827 170	0.05	99.80	0.00
28	(21)	Indonesia	700 000	0.04	99.84	0.00
29	(29)	Korea, North	630 000	0.04	99.88	0.00
30	(31)	Colombia	320 630	0.02	99.90	0.00
31	(30)	Algeria	268 400	0.02	99.92	0.00
32	(33)	Saudi Arabia	266 800	0.02	99.93	0.00
33	(34)	Egypt	200 000	0.01	99.95	0.00
34	(35)	Pakistan	190 630	0.01	99.96	0.00
35	(32)	Korea, South	186 330	0.01	99.97	0.00
36	(36)	Tunisia	152 100	0.01	99.98	0.00
37	(39)	Laos	150 000	0.01	99.99	0.00
38	(38)	Germany	75 100	0.00	99.99	0.00
39	(45)	Morocco	36 120	0.00	99.99	0.00
40	(37)	Argentina	28 400	0.00	100.00	0.00
41	(47)	Bolivia	22 230	0.00	100.00	0.00
42	(40)	Bhutan	21 100	0.00	100.00	0.00
43	(46)	Malawi	3 000	0.00	100.00	0.00
44	(43)	Guatemala	2 670	0.00	100.00	0.00

45	(44)	Namibia	1 640	0.00	100.00	0.00
46	(48)	Uganda	1 390	0.00	100.00	0.00
47	(49)	Uruguay	1 010	0.00	100.00	0.00
48	(**)	Thailand	85	0.00	100.00	0.00
Total			1 596 189 050	100.00		HHI 2 008

Chromium (Cr₂O₃ - Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	7 039 300	48.26	48.26	2 328.91
2	(2)	Kazakhstan	2 193 500	15.04	63.30	226.14
3	(4)	Turkey	1 779 900	12.20	75.50	148.90
4	(3)	India	1 601 200	10.98	86.48	120.50
5	(5)	Finland	416 285	2.85	89.33	8.14
6	(6)	Albania	317 600	2.18	91.51	4.74
7	(11)	Zimbabwe	309 980	2.13	93.63	4.52
8	(8)	Russia	234 000	1.60	95.24	2.57
9	(9)	Brazil	200 000	1.37	96.61	1.88
10	(7)	Oman	181 090	1.24	97.85	1.54
11	(12)	Madagascar	102 000	0.70	98.55	0.49
12	(10)	Iran	92 850	0.64	99.19	0.41
13	(13)	Pakistan	42 100	0.29	99.47	0.08
14	(14)	Papua New Guinea	34 470	0.24	99.71	0.06
15	(16)	Cuba	14 400	0.10	99.81	0.01
16	(15)	China	12 000	0.08	99.89	0.01
17	(17)	Philippines	8 340	0.06	99.95	0.00
18	(19)	Sudan	5 560	0.04	99.99	0.00
19	(18)	Afghanistan	2 000	0.01	100.00	0.00
Total			14 586 575	100.00		HHI 2 849

Cobalt

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Congo, D.R.	82 461	60.85	60.85	3 702.19
2	(2)	China	9 000	6.64	67.49	44.10
3	(3)	Canada	6 503	4.80	72.28	23.02
4	(5)	Cuba	5 407	3.99	76.27	15.92
5	(4)	New Caledonia	5 080	3.75	80.02	14.05
6	(7)	Australia	5 034	3.71	83.74	13.80
7	(9)	Philippines	3 700	2.73	86.47	7.45
8	(12)	Papua New Guinea	3 307	2.44	88.91	5.95
9	(6)	Zambia	3 240	2.39	91.30	5.72
10	(8)	Madagascar	2 967	2.19	93.49	4.79
11	(11)	Finland	2 300	1.70	95.18	2.88
12	(10)	Russia	2 077	1.53	96.72	2.35
13	(13)	Morocco	1 924	1.42	98.14	2.02
14	(14)	South Africa	1 062	0.78	98.92	0.61
15	(16)	United States	640	0.47	99.39	0.22

16	(17)	Zimbabwe	445	0.33	99.72	0.11
17	(18)	Indonesia	350	0.26	99.98	0.07
18	(15)	Brazil	28	0.02	100.00	0.00
Total			135 525	100.00		HHI 3 845

Manganese

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	5 323 500	29.07	29.07	845.20
2	(2)	Australia	2 774 560	15.15	44.22	229.59
3	(3)	China	2 508 000	13.70	57.92	187.60
4	(4)	Gabon	2 369 900	12.94	70.86	167.50
5	(5)	Brazil	1 200 000	6.55	77.42	42.95
6	(7)	Ghana	1 051 250	5.74	83.16	32.96
7	(6)	India	867 400	4.74	87.89	22.44
8	(8)	Ukraine	650 500	3.55	91.45	12.62
9	(9)	Malaysia	340 000	1.86	93.30	3.45
10	(10)	Kazakhstan	294 900	1.61	94.91	2.59
11	(13)	Cote d'Ivoire	232 030	1.27	96.18	1.61
12	(11)	Mexico	211 510	1.16	97.34	1.33
13	(12)	Myanmar	136 600	0.75	98.08	0.56
14	(14)	Georgia	90 000	0.49	98.57	0.24
15	(18)	Zambia	50 000	0.27	98.85	0.07
16	(15)	Morocco	49 500	0.27	99.12	0.07
17	(16)	Iran	33 915	0.19	99.30	0.03
18	(17)	Vietnam	28 650	0.16	99.46	0.02
19	(21)	Turkey	27 300	0.15	99.61	0.02
20	(19)	Indonesia	27 000	0.15	99.76	0.02
21	(20)	Nigeria	13 550	0.07	99.83	0.01
22	(23)	Namibia	9 820	0.05	99.88	0.00
23	(29)	Romania	5 660	0.03	99.91	0.00
24	(27)	Sudan	4 000	0.02	99.94	0.00
25	(26)	Thailand	3 850	0.02	99.96	0.00
26	(28)	Oman	3 400	0.02	99.98	0.00
27	(**)	Kenya	2 700	0.01	99.99	0.00
28	(30)	Peru	1 133	0.01	100.00	0.00
29	(22)	Bulgaria	574	0.00	100.00	0.00
Total			18 311 202	100.00		HHI 1 551

Molybdenum

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	117 090	40.47	40.47	1 637.69
2	(2)	Chile	62 746	21.69	62.15	470.29
3	(3)	United States	44 600	15.41	77.57	237.61
4	(4)	Peru	28 141	9.73	87.30	94.60
5	(5)	Mexico	13 985	4.83	92.13	23.36
6	(9)	Canada	5 385	1.86	93.99	3.46
7	(6)	Armenia	5 038	1.74	95.73	3.03

8	(8)	Iran	4 280	1.48	97.21	2.19
9	(7)	Russia	2 806	0.97	98.18	0.94
10	(10)	Mongolia	2 640	0.91	99.09	0.83
11	(**)	Turkey	900	0.31	99.40	0.10
12	(12)	Uzbekistan	700	0.24	99.65	0.06
13	(13)	Argentina	651	0.22	99.87	0.05
14	(14)	Korea, North	340	0.12	99.99	0.01
15	(11)	Kazakhstan	35	0.01	100.00	0.00
		Total	289 337	100.00		HHI 2 474

Nickel

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Philippines	365 981	16.86	16.86	284.35
2	(6)	Indonesia	363 000	16.73	33.59	279.73
3	(3)	Russia	221 000	10.18	43.77	103.68
4	(4)	New Caledonia	215 382	9.92	53.69	98.48
5	(2)	Canada	211 166	9.73	63.42	94.66
6	(5)	Australia	178 853	8.24	71.66	67.91
7	(7)	China	94 890	4.37	76.04	19.11
8	(8)	Brazil	87 600	4.04	80.07	16.29
9	(13)	Guatemala	54 500	2.51	82.58	6.31
10	(10)	Cuba	48 500	2.23	84.82	4.99
11	(9)	South Africa	48 383	2.23	87.05	4.97
12	(12)	Colombia	40 606	1.87	88.92	3.50
13	(16)	Papua New Guinea	34 664	1.60	90.52	2.55
14	(18)	Finland	34 641	1.60	92.11	2.55
15	(11)	Madagascar	34 123	1.57	93.68	2.47
16	(14)	Myanmar	29 250	1.35	95.03	1.82
17	(15)	United States	22 100	1.02	96.05	1.04
18	(17)	Greece	21 090	0.97	97.02	0.94
19	(19)	Zimbabwe	16 617	0.77	97.79	0.59
20	(21)	Dominican Republic	15 632	0.72	98.51	0.52
21	(22)	Turkey	14 770	0.68	99.19	0.46
22	(24)	Kosovo	7 120	0.33	99.52	0.11
23	(**)	Cote d'Ivoire	7 000	0.32	99.84	0.10
24	(23)	Albania	2 400	0.11	99.95	0.01
25	(26)	Poland	720	0.03	99.98	0.00
26	(**)	Morocco	196	0.01	99.99	0.00
27	(27)	Norway	190	0.01	100.00	0.00
		Total	2 170 374	100.00		HHI 997

Niobium (Nb₂O₅-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Brazil	73 000	89.33	89.33	7 979.35
2	(2)	Canada	6 981	8.54	97.87	72.97
3	(3)	Cong, D.R.	717	0.88	98.75	0.77
4	(4)	Russia	648	0.79	99.54	0.63

5	(5)	Rwanda	260	0.32	99.86	0.10
6	(8)	Nigeria	30	0.04	99.89	0.00
7	(6)	China	30	0.04	99.93	0.00
8	(7)	Ethiopia	25	0.03	99.96	0.00
9	(9)	Burundi	18	0.02	99.98	0.00
10	(10)	Mozambique	10	0.01	100.00	0.00
11	(11)	Uganda	3	0.00	100.00	0.00
Total			81 722	100.00		HHI 8 054

Tantalum (Ta₂O₅-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Congo, D.R.	761	43.04	43.04	1 852.70
2	(2)	Rwanda	395	22.34	65.38	499.15
3	(3)	China	110	6.22	71.61	38.71
4	(4)	Brazil	100	5.66	77.26	31.99
5	(10)	Australia	100	5.66	82.92	31.99
6	(5)	Ethiopia	90	5.09	88.01	25.91
7	(6)	Nigeria	75	4.24	92.25	18.00
8	(8)	Mozambique	57	3.22	95.48	10.39
9	(7)	Russia	45	2.55	98.02	6.48
10	(9)	Burundi	26	1.47	99.49	2.16
11	(11)	Malaysia	6	0.34	99.83	0.12
12	(**)	Bolivia	3	0.17	100.00	0.03
Total			1 768	100.00		HHI 2 518

Titanium (TiO₂-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 242 000	17.67	17.67	312.35
2	(3)	South Africa	1 070 000	15.23	32.90	231.83
3	(2)	Australia	993 000	14.13	47.03	199.67
4	(4)	Canada	750 000	10.67	57.70	113.90
5	(5)	Mozambique	557 700	7.94	65.64	62.98
6	(7)	Ukraine	430 800	6.13	71.77	37.58
7	(8)	Kenya	345 560	4.92	76.69	24.18
8	(10)	Senegal	280 320	3.99	80.67	15.91
9	(9)	Norway	238 200	3.39	84.06	11.49
10	(12)	Madagascar	230 700	3.28	87.35	10.78
11	(6)	India	200 100	2.85	90.19	8.11
12	(11)	Sierra Leone	190 480	2.71	92.91	7.35
13	(14)	Korea, South	122 670	1.75	94.65	3.05
14	(13)	Vietnam	117 000	1.66	96.32	2.77
15	(16)	United States	66 000	0.94	97.25	0.88
16	(15)	Kazakhstan	65 000	0.92	98.18	0.86
17	(17)	Brazil	48 000	0.68	98.86	0.47
18	(19)	Sri Lanka	31 620	0.45	99.31	0.20

19	(22)	Iran	30 630	0.44	99.75	0.19
20	(20)	Malaysia	7 300	0.10	99.85	0.01
21	(21)	Turkey	6 370	0.09	99.94	0.01
22	(18)	Russia	4 000	0.06	100.00	0.00
		Total	7 027 450	100.00		HHI 1 045

Tungsten (W-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	71 800	83.20	83.20	6 922.09
2	(2)	Vietnam	5 141	5.96	89.16	35.49
3	(3)	Russia	2 094	2.43	91.58	5.89
4	(8)	United Kingdom	1 086	1.26	92.84	1.58
5	(4)	Bolivia	1 015	1.18	94.02	1.38
6	(6)	Austria	975	1.13	95.15	1.28
7	(5)	Rwanda	905	1.05	96.20	1.10
8	(10)	Portugal	669	0.78	96.97	0.60
9	(9)	Spain	564	0.65	97.62	0.43
10	(7)	Mongolia	523	0.61	98.23	0.37
11	(11)	Brazil	400	0.46	98.69	0.21
12	(12)	Myanmar	330	0.38	99.08	0.15
13	(18)	Korea, North	310	0.36	99.44	0.13
14	(17)	Burundi	144	0.17	99.60	0.03
15	(16)	Congo, D.R.	130	0.15	99.75	0.02
16	(15)	Uzbekistan	103	0.12	99.87	0.01
17	(19)	Uganda	62	0.07	99.94	0.01
18	(20)	Thailand	43	0.05	99.99	0.00
19	(14)	Australia	5	0.01	100.00	0.00
		Total	86 299	100.00		HHI 6 971

Vanadium (V₂O₅-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	48 500	53.50	53.50	2 862.20
2	(2)	Russia	18 636	20.56	74.06	422.59
3	(3)	South Africa	14 222	15.69	89.74	246.11
4	(4)	Brazil	9 297	10.26	100.00	105.17
		Total	90 655	100.00		HHI 3 636

6.5.2 Non-Ferrous Metals

Aluminium

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	33 329 580	55.06	55.06	3 031.25
2	(2)	Russia	3 583 000	5.92	60.98	35.03
3	(4)	India	3 400 618	5.62	66.59	31.56
4	(3)	Canada	3 212 124	5.31	71.90	28.15
5	(5)	United Arab Emirates	2 533 000	4.18	76.08	17.51
6	(6)	Australia	1 487 555	2.46	78.54	6.04
7	(7)	Norway	1 253 000	2.07	80.61	4.28
8	(8)	Bahrain	981 016	1.62	82.23	2.63
9	(11)	Brazil	801 700	1.32	83.56	1.75
10	(12)	Iceland	794 830	1.31	84.87	1.72
11	(9)	Saudi Arabia	762 068	1.26	86.13	1.58
12	(14)	Malaysia	760 000	1.26	87.38	1.58
13	(10)	United States	740 884	1.22	88.61	1.50
14	(13)	South Africa	716 000	1.18	89.79	1.40
15	(15)	Qatar	620 000	1.02	90.81	1.05
16	(16)	Mozambique	577 495	0.95	91.77	0.91
17	(17)	Germany	550 000	0.91	92.68	0.83
18	(18)	Argentina	428 238	0.71	93.38	0.50
19	(19)	France	426 730	0.70	94.09	0.50
20	(21)	Spain	360 000	0.59	94.68	0.35
21	(22)	Iran	337 608	0.56	95.24	0.31
22	(23)	New Zealand	337 016	0.56	95.80	0.31
23	(25)	Romania	282 074	0.47	96.26	0.22
24	(24)	Egypt	279 100	0.46	96.72	0.21
25	(27)	Kazakhstan	254 000	0.42	97.14	0.18
26	(20)	Oman	252 714	0.42	97.56	0.17
27	(26)	Indonesia	218 816	0.36	97.92	0.13
28	(28)	Greece	181 700	0.30	98.22	0.09
29	(29)	Slovakia	173 492	0.29	98.51	0.08
30	(30)	Venezuela	136 000	0.22	98.73	0.05
31	(33)	Bosnia-Herzegovina	126 715	0.21	98.94	0.04
32	(32)	Sweden	123 000	0.20	99.15	0.04
33	(31)	Tajikistan	103 000	0.17	99.32	0.03
34	(34)	Slovenia	84 424	0.14	99.46	0.02
35	(36)	Turkey	82 000	0.14	99.59	0.02
36	(35)	Cameroon	60 000	0.10	99.69	0.01
37	(37)	United Kingdom	48 000	0.08	99.77	0.01
38	(41)	Ghana	40 500	0.07	99.84	0.00
39	(38)	Montenegro	39 379	0.07	99.90	0.00
40	(40)	Netherlands	30 900	0.05	99.95	0.00
41	(39)	Azerbaijan	28 500	0.05	100.00	0.00
		Total	60 536 776	100.00		HHI 3 172

Antimony

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	79 130	60.52	60.52	3 662.62
2	(2)	Tajikistan	26 370	20.17	80.69	406.75
3	(3)	Russia	6 120	4.68	85.37	21.91
4	(6)	Turkey	4 840	3.70	89.07	13.70
5	(8)	Myanmar	4 500	3.44	92.51	11.84
6	(4)	Australia	3 130	2.39	94.91	5.73
7	(7)	Bolivia	2 881	2.20	97.11	4.86
8	(9)	Kyrgyzstan	1 380	1.06	98.16	1.11
9	(5)	Iran	620	0.47	98.64	0.22
10	(10)	Kazakhstan	350	0.27	98.91	0.07
11	(11)	South Africa	350	0.27	99.17	0.07
12	(12)	Laos	320	0.24	99.42	0.06
13	(18)	Ecuador	260	0.20	99.62	0.04
14	(13)	Vietnam	245	0.19	99.80	0.04
15	(14)	Mexico	240	0.18	99.99	0.03
16	(17)	Pakistan	15	0.01	100.00	0.00
		Total	130 751	100.00		HHI 4 129

Arsenic

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	25 000	70.34	70.34	4 947.06
2	(2)	Morocco	6 879	19.35	89.69	374.56
3	(4)	Russia	1 500	4.22	93.91	17.81
4	(5)	Belgium	1 000	2.81	96.72	7.92
5	(3)	Namibia	700	1.97	98.69	3.88
6	(**)	Iran	400	1.13	99.82	1.27
7	(6)	Japan	45	0.13	99.94	0.02
8	(7)	Bolivia	20	0.06	100.00	0.00
		Total	35 544	100.00		HHI 5 353

Bauxite (crude ore)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	89 420 589	28.73	28.73	825.60
2	(2)	China	69 017 000	22.18	50.91	491.82
3	(4)	Guinea	49 731 590	15.98	66.89	255.36
4	(3)	Brazil	38 122 500	12.25	79.14	150.06
5	(5)	India	22 312 681	7.17	86.31	51.40
6	(6)	Jamaica	8 244 628	2.65	88.96	7.02
7	(8)	Russia	6 100 000	1.96	90.92	3.84
8	(10)	Saudi Arabia	5 006 000	1.61	92.53	2.59

9	(9)	Kazakhstan	4 846 100	1.56	94.09	2.42
10	(12)	Vietnam	2 565 000	0.82	94.91	0.68
11	(11)	Greece	1 927 150	0.62	95.53	0.38
12	(14)	Sierra Leone	1 787 716	0.57	96.10	0.33
13	(20)	Indonesia	1 733 380	0.56	96.66	0.31
14	(16)	Turkey	1 719 144	0.55	97.21	0.31
15	(23)	Solomon Islands	1 559 200	0.50	97.71	0.25
16	(15)	Ghana	1 477 000	0.47	98.19	0.23
17	(13)	Guyana	1 459 223	0.47	98.66	0.22
18	(19)	Montenegro	927 847	0.30	98.96	0.09
19	(7)	Malaysia	830 000	0.27	99.22	0.07
20	(17)	Iran	804 510	0.26	99.48	0.07
21	(18)	Bosnia-Herzegovina	740 384	0.24	99.72	0.06
22	(22)	United States	352 100	0.11	99.83	0.01
23	(21)	Venezuela	242 000	0.08	99.91	0.01
24	(26)	Fiji	118 540	0.04	99.95	0.00
25	(27)	Pakistan	75 375	0.02	99.97	0.00
26	(25)	France	70 000	0.02	99.99	0.00
27	(29)	Croatia	12 215	0.00	100.00	0.00
28	(31)	Mozambique	3 182	0.00	100.00	0.00
29	(32)	Colombia	2 400	0.00	100.00	0.00
30	(28)	Hungary	1 300	0.00	100.00	0.00
31	(33)	Tanzania	12	0.00	100.00	0.00
		Total	311 208 766	100.00		HHI 1 793

Beryllium (concentrates)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	3 700	70.45	70.45	4 963.11
2	(2)	China	1 250	23.80	94.25	566.46
3	(4)	Madagascar	140	2.67	96.92	7.11
4	(5)	Brazil	75	1.43	98.34	2.04
5	(3)	Mozambique	53	1.01	99.35	1.02
6	(6)	Rwanda	30	0.57	99.92	0.33
7	(7)	Zambia	4	0.08	100.00	0.01
		Total	5 252	100.00		HHI 5 540

Bismuth

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	6 800	64.63	64.63	4 177.38
2	(2)	Vietnam	2 450	23.29	87.92	542.27
3	(4)	Japan	525	4.99	92.91	24.90
4	(3)	Mexico	513	4.88	97.79	23.78
5	(5)	Peru	123	1.17	98.95	1.37

6	(6)	Bolivia	77	0.73	99.69	0.54
7	(7)	Russia	30	0.29	99.97	0.08
8	(8)	Canada	2	0.02	99.99	0.00
9	(9)	Armenia	1	0.01	100.00	0.00
		Total	10 521	100.00		HHI 4 770

Cadmium

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	8 200	31.07	31.07	965.42
2	(2)	Korea, South	4 960	18.79	49.87	353.23
3	(3)	Kazakhstan	2 690	10.19	60.06	103.89
4	(5)	Japan	2 142	8.12	68.17	65.88
5	(4)	Canada	1 802	6.83	75.00	46.62
6	(7)	Russia	1 200	4.55	79.55	20.68
7	(6)	Mexico	1 142	4.33	83.88	18.72
8	(8)	Peru	797	3.02	86.90	9.12
9	(9)	Germany	730	2.77	89.66	7.65
10	(10)	Netherlands	620	2.35	92.01	5.52
11	(13)	Norway	416	1.58	93.59	2.48
12	(11)	United States	400	1.52	95.10	2.30
13	(12)	Bulgaria	333	1.26	96.37	1.59
14	(14)	Uzbekistan	306	1.16	97.53	1.34
15	(15)	Korea, North	200	0.76	98.28	0.57
16	(17)	Brazil	180	0.68	98.97	0.47
17	(16)	Poland	130	0.49	99.46	0.24
18	(18)	Argentina	96	0.36	99.82	0.13
19	(19)	India	47	0.18	100.00	0.03
		Total	26 391	100.00		HHI 1 606

Copper

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Chile	5 503 500	27.60	27.60	761.79
2	(2)	Peru	2 445 585	12.26	39.87	150.43
3	(3)	China	1 656 400	8.31	48.17	69.01
4	(4)	United States	1 260 000	6.32	54.49	39.93
5	(5)	Congo, D.R.	1 094 638	5.49	59.98	30.14
6	(6)	Australia	859 811	4.31	64.29	18.59
7	(7)	Zambia	797 266	4.00	68.29	15.99
8	(8)	Mexico	742 246	3.72	72.01	13.86
9	(10)	Russia	705 400	3.54	75.55	12.51
10	(9)	Indonesia	622 216	3.12	78.67	9.74
11	(11)	Canada	605 731	3.04	81.71	9.23
12	(12)	Kazakhstan	540 700	2.71	84.42	7.35
13	(13)	Poland	419 300	2.10	86.52	4.42
14	(15)	Brazil	384 400	1.93	88.45	3.72
15	(14)	Mongolia	314 920	1.58	90.03	2.49
16	(16)	Iran	295 653	1.48	91.51	2.20

17	(17)	Spain	204 606	1.03	92.54	1.05
18	(18)	Laos	153 304	0.77	93.31	0.59
19	(19)	Bulgaria	110 290	0.55	93.86	0.31
20	(25)	Papua New Guinea	105 448	0.53	94.39	0.28
21	(26)	Sweden	104 594	0.52	94.92	0.28
22	(21)	Uzbekistan	100 000	0.50	95.42	0.25
23	(22)	Armenia	95 793	0.48	95.90	0.23
24	(20)	Turkey	85 200	0.43	96.32	0.18
25	(23)	Philippines	68 156	0.34	96.67	0.12
26	(28)	Myanmar	66 960	0.34	97.00	0.11
27	(29)	South Africa	65 503	0.33	97.33	0.11
28	(27)	Portugal	63 812	0.32	97.65	0.10
29	(36)	Saudi Arabia	59 870	0.30	97.95	0.09
30	(30)	Finland	53 144	0.27	98.22	0.07
31	(32)	Serbia	45 115	0.23	98.44	0.05
32	(35)	Morocco	35 420	0.18	98.62	0.03
33	(34)	India	33 680	0.17	98.79	0.03
34	(24)	Argentina	33 303	0.17	98.96	0.03
35	(33)	Mauritania	28 791	0.14	99.10	0.02
36	(38)	Vietnam	21 100	0.11	99.21	0.01
37	(40)	Tanzania	15 800	0.08	99.29	0.01
38	(41)	Namibia	15 466	0.08	99.36	0.01
39	(39)	Korea, North	15 000	0.08	99.44	0.01
40	(44)	Georgia	14 700	0.07	99.51	0.01
41	(42)	Pakistan	10 052	0.05	99.56	0.00
42	(46)	Dominican Republic	9 618	0.05	99.61	0.00
43	(49)	Colombia	9 356	0.05	99.66	0.00
44	(45)	Macedonia	8 966	0.04	99.70	0.00
45	(47)	Zimbabwe	8 839	0.04	99.75	0.00
46	(31)	Ecuador	8 200	0.04	99.79	0.00
47	(50)	Romania	8 160	0.04	99.83	0.00
48	(51)	Kyrgyzstan	8 000	0.04	99.87	0.00
49	(37)	Eritrea	7 900	0.04	99.91	0.00
50	(48)	Bolivia	7 219	0.04	99.95	0.00
51	(52)	Tajikistan	6 060	0.03	99.98	0.00
52	(54)	Azerbaijan	2 063	0.01	99.99	0.00
53	(55)	Cyprus	1 293	0.01	99.99	0.00
54	(43)	Botswana	1 239	0.01	100.00	0.00
55	(57)	Slovakia	32	0.00	100.00	0.00
56	(56)	Korea, South	7	0.00	100.00	0.00
Total			19 939 825	100.00		HHI 1 155

Gallium

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	290	93.55	93.55	8 751.30
2	(2)	Ukraine	9	2.90	96.45	8.43
3	(4)	Russia	5	1.61	98.06	2.60
4	(5)	Korea, South	3	0.97	99.03	0.94
5	(6)	Japan	3	0.97	100.00	0.94
Total			310	100.00		HHI 8 764

Germanium

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	87	88.78	88.78	7 881.09
2	(2)	Russia	6	6.12	94.90	37.48
3	(3)	United States	2	2.04	96.94	4.16
4	(4)	Japan	2	2.04	98.98	4.16
5	(5)	Ukraine	1	1.02	100.00	1.04
		Total	98	100.00		HHI 7 928

Indium

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	355	44.94	44.94	2 019.31
2	(2)	Korea, South	215	27.22	72.15	740.67
3	(3)	Canada	70	8.86	81.01	78.51
4	(4)	Japan	70	8.86	89.87	78.51
5	(**)	France	30	3.80	93.67	14.42
6	(5)	Belgium	20	2.53	96.20	6.41
7	(6)	Germany	10	1.27	97.47	1.60
8	(8)	Peru	5	0.63	98.10	0.40
9	(10)	Brazil	5	0.63	98.73	0.40
10	(7)	Russia	5	0.63	99.37	0.40
11	(9)	Italy	5	0.63	100.00	0.40
		Total	790	100.00		HHI 2 941

Lead

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	2 442 700	48.28	48.28	2 331.25
2	(2)	Australia	459 487	9.08	57.37	82.49
3	(3)	United States	313 000	6.19	63.55	38.28
4	(4)	Peru	306 784	6.06	69.62	36.77
5	(5)	Mexico	243 022	4.80	74.42	23.07
6	(6)	Russia	199 000	3.93	78.35	15.47
7	(7)	India	168 150	3.32	81.68	11.05
8	(8)	Bolivia	113 286	2.24	83.92	5.01
9	(10)	Kazakhstan	111 200	2.20	86.11	4.83
10	(11)	Turkey	74 990	1.48	87.60	2.20
11	(9)	Sweden	71 112	1.41	89.00	1.98
12	(12)	Tajikistan	61 090	1.21	90.21	1.46
13	(15)	South Africa	48 150	0.95	91.16	0.91
14	(13)	Iran	48 000	0.95	92.11	0.90
15	(19)	Argentina	40 135	0.79	92.90	0.63
16	(17)	Macedonia	39 850	0.79	93.69	0.62

17	(14)	Poland	39 000	0.77	94.46	0.59
18	(18)	Morocco	38 040	0.75	95.21	0.57
19	(16)	Korea, North	31 600	0.62	95.84	0.39
20	(21)	Myanmar	29 800	0.59	96.43	0.35
21	(23)	Nigeria	24 260	0.48	96.91	0.23
22	(20)	Bulgaria	22 860	0.45	97.36	0.20
23	(22)	Ireland	17 100	0.34	97.70	0.11
24	(25)	Canada	14 100	0.28	97.98	0.08
25	(24)	Serbia	13 890	0.27	98.25	0.08
26	(26)	Greece	8 746	0.17	98.42	0.03
27	(32)	Indonesia	7 635	0.15	98.57	0.02
28	(34)	Mongolia	7 390	0.15	98.72	0.02
29	(28)	Brazil	6 959	0.14	98.86	0.02
30	(36)	Honduras	6 761	0.13	98.99	0.02
31	(30)	Bosnia-Herzegovina	6 740	0.13	99.12	0.02
32	(29)	Namibia	5 805	0.11	99.24	0.01
33	(35)	Portugal	5 164	0.10	99.34	0.01
34	(31)	Kosovo	5 100	0.10	99.44	0.01
35	(42)	Vietnam	4 500	0.09	99.53	0.01
36	(27)	Guatemala	4 200	0.08	99.61	0.01
37	(37)	Korea, South	3 760	0.07	99.69	0.01
38	(33)	Spain	3 268	0.06	99.75	0.00
39	(40)	Pakistan	3 050	0.06	99.81	0.00
40	(38)	Montenegro	2 540	0.05	99.86	0.00
41	(39)	Uzbekistan	2 000	0.04	99.90	0.00
42	(41)	Chile	1 562	0.03	99.93	0.00
43	(**)	Cuba	1 500	0.03	99.96	0.00
44	(45)	Romania	940	0.02	99.98	0.00
45	(43)	Laos	660	0.01	100.00	0.00
46	(44)	Slovakia	147	0.00	100.00	0.00
47	(47)	United Kingdom	100	0.00	100.00	0.00
Total			5 059 133	100.00		HHI 2 560

Lithium (Li₂O-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(2)	Australia	52 910	49.30	49.30	2 430.51
2	(1)	Chile	32 520	30.30	79.60	918.17
3	(3)	Argentina	12 360	11.52	91.12	132.64
4	(4)	China	4 900	4.57	95.68	20.85
5	(5)	Zimbabwe	1 750	1.63	97.31	2.66
6	(6)	United States	1 420	1.32	98.64	1.75
7	(8)	Portugal	782	0.73	99.37	0.53
8	(7)	Brazil	560	0.52	99.89	0.27
9	(9)	Bolivia	120	0.11	100.00	0.01
Total			107 322	100.00		HHI 3 507

Mercury

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1949	80.01	80.01	6 401.31
2	(2)	Mexico	200	8.21	88.22	67.41
3	(4)	Tajikistan	100	4.11	92.32	16.85
4	(3)	Argentina	54	2.22	94.54	4.91
5	(5)	Russia	50	2.05	96.59	4.21
6	(6)	Kyrgyzstan	50	2.05	98.65	4.21
7	(8)	United States	15	0.62	99.26	0.38
8	(7)	Morocco	10	0.41	99.67	0.17
9	(10)	Chile	5	0.21	99.88	0.04
10	(9)	Iran	3	0.12	100.00	0.02
		Total	2 436	100.00		HHI 6 500

Rare Earths Concentrates (REO-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	105 000	82.61	82.61	6 825.08
2	(2)	Australia	17 264	13.58	96.20	184.51
3	(3)	Russia	2 500	1.97	98.16	3.87
4	(4)	Brazil	2 000	1.57	99.74	2.48
5	(5)	Malaysia	302	0.24	99.98	0.06
6	(**)	Burundi	31	0.02	100.00	0.00
		Total	127 097	100.00		HHI 7 016

Rhenium

Rank 2017	Rank 2016	Country	Production 2017 kg	Share in %	Share cum. %	Share HHI
1	(1)	Chile	20 451	45.26	45.26	2 048.07
2	(2)	United States	8 500	18.81	64.07	353.80
3	(3)	Poland	7 564	16.74	80.80	280.17
4	(4)	Kazakhstan	3 300	7.30	88.11	53.33
5	(5)	China	2 500	5.53	93.64	30.61
6	(6)	Russia	1 500	3.32	96.96	11.02
7	(7)	Uzbekistan	1 000	2.21	99.17	4.90
8	(8)	Armenia	375	0.83	100.00	0.69
		Total	45 190	100.00		HHI 2 783

Selenium

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(2)	Japan	792	23.81	23.81	567.03
2	(1)	China	720	21.65	45.46	468.62
3	(3)	Germany	710	21.35	66.81	455.69
4	(4)	Belgium	200	6.01	72.82	36.16
5	(5)	Russia	194	5.83	78.65	34.02
6	(7)	Mexico	112	3.37	82.02	11.34
7	(9)	Philippines	100	3.01	85.03	9.04
8	(8)	Finland	100	3.01	88.03	9.04
9	(11)	Sweden	90	2.71	90.74	7.32
10	(10)	Poland	74	2.22	92.96	4.95
11	(16)	Uzbekistan	50	1.50	94.47	2.26
12	(12)	Peru	50	1.50	95.97	2.26
13	(6)	Canada	49	1.47	97.44	2.17
14	(15)	Kazakhstan	40	1.20	98.65	1.45
15	(13)	Serbia	27	0.81	99.46	0.66
16	(14)	India	17	0.51	99.97	0.26
17	(17)	Armenia	1	0.03	100.00	0.00
		Total	3 326	100.00		HHI 1 612

Tellurium

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	470	71.32	71.32	5 086.57
2	(2)	United States	50	7.59	78.91	57.57
3	(3)	Russia	44	6.68	85.58	44.58
4	(5)	Japan	38	5.77	91.35	33.25
5	(4)	Sweden	35	5.31	96.66	28.21
6	(6)	Canada	17	2.58	99.24	6.65
7	(7)	Bulgaria	5	0.76	100.00	0.58
		Total	659	100.00		HHI 5 257

Tin

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	74 800	24.85	24.85	617.76
2	(2)	Indonesia	68 702	22.83	47.68	521.15
3	(3)	Myanmar	67 300	22.36	70.05	500.09
4	(5)	Bolivia	18 386	6.11	76.16	37.32
5	(4)	Peru	17 790	5.91	82.07	34.94
6	(6)	Brazil	13 900	4.62	86.69	21.33
7	(8)	Congo, D.R.	10 391	3.45	90.14	11.92

8	(7)	Australia	7 402	2.46	92.60	6.05
9	(11)	Nigeria	6 550	2.18	94.77	4.74
10	(10)	Malaysia	4 819	1.60	96.38	2.56
11	(9)	Vietnam	4 500	1.50	97.87	2.24
12	(12)	Rwanda	3 430	1.14	99.01	1.30
13	(14)	Russia	1 011	0.34	99.35	0.11
14	(13)	Laos	975	0.32	99.67	0.10
15	(18)	Thailand	341	0.11	99.78	0.01
16	(15)	United Kingdom	255	0.08	99.87	0.01
17	(20)	Burundi	123	0.04	99.91	0.00
18	(19)	Portugal	81	0.03	99.94	0.00
19	(16)	Tanzania	68	0.02	99.96	0.00
20	(17)	Uganda	66	0.02	99.98	0.00
21	(23)	Spain	24	0.01	99.99	0.00
22	(21)	Mongolia	20	0.01	100.00	0.00
23	(22)	India	13	0.00	100.00	0.00
		Total	300 947	100.00		HHI 1 762

Zinc

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	4 300 000	34.32	34.32	1 178.17
2	(2)	Peru	1 473 073	11.76	46.08	138.27
3	(3)	Australia	840 989	6.71	52.80	45.07
4	(5)	India	773 830	6.18	58.97	38.16
5	(4)	United States	773 800	6.18	65.15	38.15
6	(6)	Mexico	671 444	5.36	70.51	28.73
7	(7)	Bolivia	527 206	4.21	74.72	17.71
8	(12)	Turkey	365 000	2.91	77.63	8.49
9	(9)	Canada	344 294	2.75	80.38	7.55
10	(8)	Kazakhstan	315 900	2.52	82.90	6.36
11	(11)	Russia	258 000	2.06	84.96	4.24
12	(10)	Sweden	251 244	2.01	86.97	4.02
13	(13)	Iran	196 000	1.56	88.53	2.45
14	(14)	Brazil	156 348	1.25	89.78	1.56
15	(16)	Namibia	131 920	1.05	90.83	1.11
16	(15)	Ireland	130 600	1.04	91.88	1.09
17	(27)	Eritrea	95 400	0.76	92.64	0.58
18	(19)	Tajikistan	92 940	0.74	93.38	0.55
19	(17)	Burkina Faso	91 530	0.73	94.11	0.53
20	(20)	Portugal	71 357	0.57	94.68	0.32
21	(18)	Spain	70 451	0.56	95.24	0.32
22	(24)	Finland	66 284	0.53	95.77	0.28
23	(25)	Morocco	51 700	0.41	96.18	0.17
24	(22)	Poland	50 000	0.40	96.58	0.16
25	(23)	Mongolia	41 350	0.33	96.91	0.11
26	(29)	South Africa	30 778	0.25	97.16	0.06
27	(26)	Chile	29 008	0.23	97.39	0.05
28	(30)	Macedonia	27 510	0.22	97.61	0.05
29	(31)	Argentina	23 392	0.19	97.80	0.03
30	(36)	Nigeria	22 130	0.18	97.97	0.03
31	(48)	Saudi Arabia	21 787	0.17	98.15	0.03
32	(35)	Honduras	20 437	0.16	98.31	0.03
33	(21)	Korea, North	20 000	0.16	98.47	0.03
34	(38)	Uzbekistan	20 000	0.16	98.63	0.03

35	(44)	Pakistan	19 460	0.16	98.78	0.02
36	(33)	Bulgaria	19 250	0.15	98.94	0.02
37	(32)	Greece	14 211	0.11	99.05	0.01
38	(42)	Indonesia	13 800	0.11	99.16	0.01
39	(45)	Myanmar	13 150	0.10	99.27	0.01
40	(37)	Congo, D.R.	12 337	0.10	99.36	0.01
41	(39)	Vietnam	12 000	0.10	99.46	0.01
42	(40)	Serbia	11 900	0.09	99.56	0.01
43	(41)	Bosnia-Herzegovina	9 180	0.07	99.63	0.01
44	(43)	Montenegro	8 820	0.07	99.70	0.00
45	(51)	Congo, Rep.	8 000	0.06	99.76	0.00
46	(34)	Guatemala	6 100	0.05	99.81	0.00
47	(46)	Armenia	6 070	0.05	99.86	0.00
48	(47)	Kosovo	4 500	0.04	99.90	0.00
49	(49)	Dominican Republic	3 920	0.03	99.93	0.00
50	(50)	Korea, South	3 320	0.03	99.95	0.00
51	(**)	Cuba	2 900	0.02	99.98	0.00
52	(28)	Thailand	1 580	0.01	99.99	0.00
53	(52)	Romania	770	0.01	100.00	0.00
54	(54)	Algeria	350	0.00	100.00	0.00
55	(55)	Slovakia	166	0.00	100.00	0.00
Total			12 527 486	100.00		HHI 1 525

6.5.3 Precious Metals

Gold

Rank 2017	Rank 2016	Country	Production 2017 kg	Share in %	Share cum. %	Share HHI
1	(1)	China	426 142	12.76	12.76	162.83
2	(2)	Australia	294 075	8.81	21.57	77.54
3	(3)	Russia	270 300	8.09	29.66	65.51
4	(4)	United States	236 778	7.09	36.75	50.27
5	(5)	Canada	175 611	5.26	42.01	27.65
6	(6)	Peru	151 964	4.55	46.56	20.71
7	(9)	Ghana	143 419	4.29	50.85	18.44
8	(7)	South Africa	137 133	4.11	54.96	16.86
9	(8)	Mexico	126 820	3.80	58.76	14.42
10	(12)	Sudan	107 300	3.21	61.97	10.32
11	(10)	Uzbekistan	100 000	2.99	64.97	8.97
12	(13)	Indonesia	90 700	2.72	67.68	7.38
13	(14)	Kazakhstan	85 339	2.56	70.24	6.53
14	(11)	Brazil	85 000	2.55	72.78	6.48
15	(17)	Argentina	73 187	2.19	74.97	4.80
16	(16)	Papua New Guinea	61 678	1.85	76.82	3.41
17	(18)	Mali	49 622	1.49	78.31	2.21
18	(24)	Guinea	46 847	1.40	79.71	1.97
19	(21)	Burkina Faso	45 582	1.36	81.07	1.86
20	(20)	Tanzania	43 490	1.30	82.38	1.70
21	(15)	Colombia	42 702	1.28	83.65	1.64
22	(19)	Chile	37 911	1.14	84.79	1.29
23	(22)	Dominican Republic	35 221	1.05	85.84	1.11
24	(23)	Congo, D.R.	31 586	0.95	86.79	0.89
25	(29)	Bolivia	29 524	0.88	87.67	0.78

26	(35)	Suriname	25 844	0.77	88.45	0.60
27	(25)	Cote d'Ivoire	25 396	0.76	89.21	0.58
28	(28)	Zimbabwe	23 929	0.72	89.93	0.51
29	(26)	Turkey	23 090	0.69	90.62	0.48
30	(27)	Philippines	22 699	0.68	91.30	0.46
31	(31)	Kyrgyzstan	21 306	0.64	91.93	0.41
32	(30)	Guyana	20 334	0.61	92.54	0.37
33	(34)	Togo	19 960	0.60	93.14	0.36
34	(32)	Mongolia	19 849	0.59	93.74	0.35
35	(33)	Egypt	16 941	0.51	94.24	0.26
36	(42)	Saudi Arabia	10 465	0.31	94.56	0.10
37	(36)	New Zealand	10 288	0.31	94.86	0.09
38	(37)	Finland	9 102	0.27	95.14	0.07
39	(40)	Mauritania	9 096	0.27	95.41	0.07
40	(39)	Bulgaria	8 670	0.26	95.67	0.07
41	(74)	Venezuela	8 100	0.24	95.91	0.06
42	(48)	Sweden	7 858	0.24	96.15	0.06
43	(41)	Namibia	7 800	0.23	96.38	0.05
44	(38)	Nicaragua	7 367	0.22	96.60	0.05
45	(47)	Senegal	7 255	0.22	96.82	0.05
46	(53)	Iran	7 100	0.21	97.03	0.05
47	(43)	Nigeria	7 000	0.21	97.24	0.04
48	(61)	Azerbaijan	6 617	0.20	97.44	0.04
49	(49)	Japan	6 369	0.19	97.63	0.04
50	(51)	Liberia	6 356	0.19	97.82	0.04
51	(46)	Ecuador	6 176	0.18	98.00	0.03
52	(45)	Laos	5 988	0.18	98.18	0.03
53	(50)	Tajikistan	5 500	0.16	98.35	0.03
54	(56)	Armenia	4 670	0.14	98.49	0.02
55	(44)	Ethiopia	4 600	0.14	98.63	0.02
56	(52)	Zambia	4 373	0.13	98.76	0.02
57	(75)	Costa Rica	4 255	0.13	98.88	0.02
58	(57)	Georgia	3 032	0.09	98.97	0.01
59	(77)	Madagascar	2 834	0.08	99.06	0.01
60	(59)	Honduras	2 656	0.08	99.14	0.01
61	(58)	Mozambique	2 394	0.07	99.21	0.01
62	(60)	Malaysia	2 129	0.06	99.27	0.00
63	(62)	Rwanda	2 000	0.06	99.33	0.00
64	(66)	Spain	1 825	0.05	99.39	0.00
65	(63)	India	1 648	0.05	99.44	0.00
66	(55)	Guatemala	1 646	0.05	99.49	0.00
67	(65)	Myanmar	1 620	0.05	99.54	0.00
68	(64)	Fiji	1 425	0.04	99.58	0.00
69	(67)	French Guiana	1 300	0.04	99.62	0.00
70	(73)	Serbia	1 199	0.04	99.65	0.00
71	(69)	Uruguay	1 055	0.03	99.69	0.00
72	(85)	Eritrea	1 000	0.03	99.72	0.00
73	(76)	Macedonia	972	0.03	99.74	0.00
74	(83)	Burundi	953	0.03	99.77	0.00
75	(70)	Niger	914	0.03	99.80	0.00
76	(72)	Botswana	913	0.03	99.83	0.00
77	(71)	Greece	823	0.02	99.85	0.00
78	(79)	Cameroon	689	0.02	99.87	0.00
79	(68)	Gabon	620	0.02	99.89	0.00
80	(82)	Poland	572	0.02	99.91	0.00
81	(78)	Vietnam	557	0.02	99.93	0.00
82	(87)	Kenya	503	0.02	99.94	0.00
83	(80)	Romania	500	0.01	99.96	0.00
84	(81)	Slovakia	447	0.01	99.97	0.00
85	(86)	Korea, South	287	0.01	99.98	0.00
86	(84)	Morocco	220	0.01	99.98	0.00
87	(88)	Sierra Leone	142	0.00	99.99	0.00

88	(89)	Algeria	137	0.00	99.99	0.00
89	(91)	Central African Republic	118	0.00	100.00	0.00
90	(90)	Congo, Rep.	100	0.00	100.00	0.00
91	(92)	Benin	30	0.00	100.00	0.00
92	(94)	Taiwan	4	0.00	100.00	0.00
93	(93)	Uganda	4	0.00	100.00	0.00
Total			3 339 552	100.00		HHI 521

Palladium

Rank 2017	Rank 2016	Country	Production 2017 kg	Share in %	Share cum. %	Share HHI
1	(1)	Russia	83 765	40.35	40.35	1 627.95
2	(2)	South Africa	80 132	38.60	78.95	1 489.80
3	(3)	Canada	17 800	8.57	87.52	73.51
4	(4)	United States	12 400	5.97	93.49	35.67
5	(5)	Zimbabwe	11 822	5.69	99.19	32.43
6	(6)	Finland	1 021	0.49	99.68	0.24
7	(7)	Australia	610	0.29	99.97	0.09
8	(9)	Serbia	50	0.02	100.00	0.00
9	(8)	Poland	7	0.00	100.00	0.00
Total			207 607	100.00		HHI 3 260

Platinum

Rank 2017	Rank 2016	Country	Production 2017 kg	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	131 242	72.07	72.07	5 193.54
2	(2)	Russia	21 860	12.00	84.07	144.08
3	(3)	Zimbabwe	14 257	7.83	91.90	61.29
4	(4)	Canada	9 000	4.94	96.84	24.42
5	(5)	United States	3 600	1.98	98.82	3.91
6	(6)	Finland	1 418	0.78	99.60	0.61
7	(7)	Colombia	567	0.31	99.91	0.10
8	(8)	Australia	155	0.09	99.99	0.01
9	(9)	Poland	11	0.01	100.00	0.00
10	(10)	Serbia	3	0.00	100.00	0.00
Total			182 113	100.00		HHI 5 428

Rhodium

Rank 2017	Rank 2016	Country	Production 2017 kg	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	18 431	80.70	80.70	6 511.87
2	(2)	Russia	2 426	10.62	91.32	112.82

3	(3)	Zimbabwe	1 283	5.62	96.94	31.55
4	(4)	Canada	600	2.63	99.56	6.90
5	(5)	United States	100	0.44	100.00	0.19
Total			22 840	100.00		HHI 6 663

Silver

Rank 2017	Rank 2016	Country	Production 2017 kg	Share in %	Share cum. %	Share HHI
1	(1)	Mexico	5 815 034	21.97	21.97	482.63
2	(2)	Peru	4 417 987	16.69	38.66	278.59
3	(3)	China	3 502 254	13.23	51.89	175.07
4	(4)	Chile	1 318 582	4.98	56.87	24.82
5	(5)	Russia	1 306 347	4.94	61.81	24.36
6	(8)	Poland	1 290 000	4.87	66.68	23.75
7	(7)	Bolivia	1 222 371	4.62	71.30	21.33
8	(6)	Australia	1 120 175	4.23	75.53	17.91
9	(9)	Kazakhstan	1 041 838	3.94	79.47	15.49
10	(10)	United States	1 018 000	3.85	83.31	14.79
11	(11)	Argentina	997 961	3.77	87.08	14.21
12	(14)	India	557 691	2.11	89.19	4.44
13	(13)	Sweden	467 500	1.77	90.96	3.12
14	(15)	Canada	393 483	1.49	92.44	2.21
15	(12)	Guatemala	336 944	1.27	93.72	1.62
16	(17)	Indonesia	243 310	0.92	94.64	0.84
17	(16)	Morocco	238 530	0.90	95.54	0.81
18	(18)	Turkey	151 490	0.57	96.11	0.33
19	(19)	Dominican Republic	147 047	0.56	96.66	0.31
20	(22)	Spain	70 000	0.26	96.93	0.07
21	(20)	Papua New Guinea	69 650	0.26	97.19	0.07
22	(21)	Mongolia	67 190	0.25	97.45	0.06
23	(23)	South Africa	62 536	0.24	97.68	0.06
24	(24)	Bulgaria	53 053	0.20	97.88	0.04
25	(26)	Uzbekistan	50 000	0.19	98.07	0.04
26	(28)	Korea, North	50 000	0.19	98.26	0.04
27	(27)	Iran	50 000	0.19	98.45	0.04
28	(29)	Brazil	46 400	0.18	98.62	0.03
29	(25)	Laos	42 841	0.16	98.79	0.03
30	(30)	Portugal	40 186	0.15	98.94	0.02
31	(32)	Philippines	31 748	0.12	99.06	0.01
32	(33)	Greece	23 283	0.09	99.15	0.01
33	(41)	Kyrgyzstan	21 946	0.08	99.23	0.01
34	(37)	Honduras	21 785	0.08	99.31	0.01
35	(35)	Romania	18 000	0.07	99.38	0.00
36	(40)	Macedonia	17 630	0.07	99.45	0.00
37	(39)	Armenia	17 200	0.06	99.51	0.00
38	(34)	Nicaragua	15 419	0.06	99.57	0.00
39	(38)	Finland	13 654	0.05	99.62	0.00
40	(44)	Serbia	12 340	0.05	99.67	0.00
41	(43)	Colombia	11 968	0.05	99.71	0.00
42	(36)	Tanzania	10 911	0.04	99.75	0.00
43	(46)	Korea, South	8 863	0.03	99.79	0.00
44	(45)	New Zealand	8 022	0.03	99.82	0.00
45	(47)	Azerbaijan	6 949	0.03	99.84	0.00
46	(51)	Tajikistan	6 550	0.02	99.87	0.00
47	(49)	Namibia	6 490	0.02	99.89	0.00

48	(50)	Saudi Arabia	5 133	0.02	99.91	0.00
49	(52)	Ghana	4 000	0.02	99.93	0.00
50	(48)	Japan	3 408	0.01	99.94	0.00
51	(59)	Congo, D.R.	3 376	0.01	99.95	0.00
52	(53)	Mali	2 900	0.01	99.96	0.00
53	(55)	Malaysia	2 078	0.01	99.97	0.00
54	(56)	Sudan	2 000	0.01	99.98	0.00
55	(54)	Ireland	1 344	0.01	99.98	0.00
56	(42)	Eritrea	1 192	0.00	99.99	0.00
57	(58)	Ethiopia	750	0.00	99.99	0.00
58	(60)	Senegal	660	0.00	99.99	0.00
59	(61)	Cote d'Ivoire	493	0.00	100.00	0.00
60	(62)	Slovakia	410	0.00	100.00	0.00
61	(63)	Fiji	350	0.00	100.00	0.00
62	(64)	Niger	100	0.00	100.00	0.00
63	(57)	Ecuador	68	0.00	100.00	0.00
64	(65)	Algeria	25	0.00	100.00	0.00
Total			26 469 445	100.00		HHI 1 107

6.5.4 Industrial Minerals

Asbestos

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Russia	710 250	61.38	61.38	3 767.93
2	(3)	Kazakhstan	192 700	16.65	78.04	277.36
3	(4)	Brazil	129 094	11.16	89.19	124.48
4	(2)	China	125 000	10.80	100.00	116.71
5	(**)	Argentina	26	0.00	100.00	0.00
Total			1 157 070	100.00		HHI 4 286

Baryte

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	3 100 000	38.37	38.37	1 471.95
2	(3)	India	1 261 300	15.61	53.98	243.67
3	(4)	Morocco	818 016	10.12	64.10	102.49
4	(5)	Kazakhstan	612 000	7.57	71.67	57.37
5	(2)	Iran	514 711	6.37	78.04	40.58
6	(11)	Mexico	359 912	4.45	82.50	19.84
7	(7)	Turkey	292 447	3.62	86.12	13.10
8	(8)	United States	250 000	3.09	89.21	9.57
9	(6)	Russia	221 000	2.74	91.95	7.48
10	(9)	Thailand	147 954	1.83	93.78	3.35
11	(10)	Pakistan	91 711	1.14	94.91	1.29
12	(12)	Vietnam	70 000	0.87	95.78	0.75

13	(14)	Bulgaria	64 000	0.79	96.57	0.63
14	(13)	United Kingdom	56 000	0.69	97.26	0.48
15	(15)	Germany	34 177	0.42	97.69	0.18
16	(17)	Laos	33 325	0.41	98.10	0.17
17	(16)	Algeria	29 159	0.36	98.46	0.13
18	(19)	Bolivia	29 114	0.36	98.82	0.13
19	(18)	Slovakia	15 700	0.19	99.02	0.04
20	(20)	Argentina	15 553	0.19	99.21	0.04
21	(22)	Tunisia	10 000	0.12	99.33	0.02
22	(23)	Canada	10 000	0.12	99.46	0.02
23	(21)	Brazil	9 981	0.12	99.58	0.02
24	(25)	Peru	9 182	0.11	99.69	0.01
25	(26)	Australia	8 958	0.11	99.80	0.01
26	(27)	Egypt	7 000	0.09	99.89	0.01
27	(24)	Korea, North	4 200	0.05	99.94	0.00
28	(28)	Myanmar	2 186	0.03	99.97	0.00
29	(29)	Colombia	1 721	0.02	99.99	0.00
30	(30)	Nigeria	717	0.01	100.00	0.00
31	(31)	Guatemala	43	0.00	100.00	0.00
Total			8 080 067	100.00		HHI 1 973

Bentonite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	5 600 000	29.93	29.93	895.53
2	(2)	United States	3 700 000	19.77	49.70	390.94
3	(3)	India	1 750 000	9.35	59.05	87.45
4	(4)	Turkey	1 481 617	7.92	66.97	62.69
5	(5)	Greece	1 087 800	5.81	72.78	33.79
6	(6)	Russia	669 700	3.58	76.36	12.81
7	(11)	Iran	517 524	2.77	79.12	7.65
8	(8)	Brazil	500 000	2.67	81.80	7.14
9	(7)	Japan	500 000	2.67	84.47	7.14
10	(9)	Germany	416 000	2.22	86.69	4.94
11	(10)	Czech Republic	254 000	1.36	88.05	1.84
12	(25)	Azerbaijan	235 617	1.26	89.31	1.59
13	(14)	Slovakia	209 800	1.12	90.43	1.26
14	(13)	Spain	177 565	0.95	91.38	0.90
15	(20)	Morocco	174 546	0.93	92.31	0.87
16	(15)	South Africa	165 141	0.88	93.19	0.78
17	(16)	Argentina	156 750	0.84	94.03	0.70
18	(19)	Mexico	148 475	0.79	94.82	0.63
19	(17)	Kazakhstan	120 000	0.64	95.46	0.41
20	(12)	Ukraine	113 200	0.60	96.07	0.37
21	(18)	Cyprus	95 593	0.51	96.58	0.26
22	(21)	Bosnia-Herzegovina	92 344	0.49	97.07	0.24
23	(26)	Italy	72 756	0.39	97.46	0.15
24	(22)	Denmark	69 594	0.37	97.83	0.14
25	(24)	Australia	68 000	0.36	98.20	0.13
26	(29)	Bulgaria	54 100	0.29	98.49	0.08
27	(23)	Korea, South	47 306	0.25	98.74	0.06
28	(28)	Pakistan	41 635	0.22	98.96	0.05
29	(30)	Algeria	35 600	0.19	99.15	0.04
30	(31)	Romania	28 005	0.15	99.30	0.02
31	(35)	Armenia	24 712	0.13	99.43	0.02

32	(34)	Hungary	24 630	0.13	99.57	0.02
33	(27)	France	24 497	0.13	99.70	0.02
34	(33)	Guatemala	20 542	0.11	99.81	0.01
35	(36)	Turkmenistan	10 000	0.05	99.86	0.00
36	(37)	Indonesia	7 000	0.04	99.90	0.00
37	(38)	Uruguay	6 640	0.04	99.93	0.00
38	(39)	Egypt	3 600	0.02	99.95	0.00
39	(40)	Philippines	3 300	0.02	99.97	0.00
40	(42)	Chile	1 584	0.01	99.98	0.00
41	(41)	Macedonia	912	0.00	99.98	0.00
42	(32)	Peru	756	0.00	99.99	0.00
43	(44)	New Zealand	700	0.00	99.99	0.00
44	(45)	Myanmar	600	0.00	99.99	0.00
45	(47)	Cuba	589	0.00	100.00	0.00
46	(48)	Mozambique	285	0.00	100.00	0.00
47	(49)	Slovenia	147	0.00	100.00	0.00
48	(46)	Bolivia	68	0.00	100.00	0.00
Total			18 713 230	100.00		HHI 1 521

Boron

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Turkey	2 025 000	46.97	46.97	2 206.21
2	(2)	United States	1 075 000	24.93	71.91	621.75
3	(3)	Chile	607 076	14.08	85.99	198.28
4	(4)	Bolivia	208 388	4.83	90.82	23.36
5	(5)	China	150 000	3.48	94.30	12.11
6	(6)	Argentina	129 918	3.01	97.31	9.08
7	(7)	Russia	85 000	1.97	99.28	3.89
8	(9)	Kazakhstan	30 000	0.70	99.98	0.48
9	(10)	Iran	850	0.02	100.00	0.00
Total			4 311 232	100.00		HHI 3 075

Diamonds (Gem)

Rank 2017	Rank 2016	Country	Production 2017 ct	Share in %	Share cum. %	Share HHI
1	(1)	Russia	26 168 400	28.44	28.44	808.73
2	(3)	Canada	23 200 226	25.21	53.65	635.67
3	(2)	Botswana	16 058 700	17.45	71.10	304.56
4	(4)	Angola	8 494 920	9.23	80.33	85.23
5	(5)	Australia	8 396 150	9.12	89.46	83.25
6	(6)	South Africa	3 879 220	4.22	93.67	17.77
7	(7)	Congo, D.R.	2 268 332	2.47	96.14	6.08
8	(8)	Namibia	1 713 800	1.86	98.00	3.47
9	(9)	Zimbabwe	752 360	0.82	98.82	0.67
10	(11)	Tanzania	258 785	0.28	99.10	0.08
11	(15)	Lesotho	225 280	0.24	99.35	0.06
12	(10)	Sierra Leone	165 894	0.18	99.53	0.03
13	(14)	Guinea	136 090	0.15	99.67	0.02

14	(16)	Brazil	84 115	0.09	99.76	0.01
15	(12)	Ghana	69 540	0.08	99.84	0.01
16	(20)	Central African Republic	47 840	0.05	99.89	0.00
17	(13)	Guyana	39 120	0.04	99.93	0.00
18	(17)	Liberia	35 970	0.04	99.97	0.00
19	(19)	India	14 690	0.02	99.99	0.00
20	(18)	Cote d'Ivoire	8 925	0.01	100.00	0.00
21	(21)	China	230	0.00	100.00	0.00
		Total	92 018 587	100.00		HHI 1 946

Diamonds (Ind)

Rank 2017	Rank 2016	Country	Production 2017 ct	Share in %	Share cum. %	Share HHI
1	(1)	Russia	17 445 600	29.19	29.19	851.90
2	(2)	Congo, D.R.	16 634 432	27.83	57.02	774.52
3	(3)	Australia	8 738 850	14.62	71.64	213.76
4	(4)	Botswana	6 882 300	11.51	83.15	132.58
5	(5)	South Africa	5 818 820	9.74	92.89	94.77
6	(6)	Zimbabwe	1 755 500	2.94	95.82	8.63
7	(7)	Angola	943 880	1.58	97.40	2.49
8	(8)	Lesotho	901 130	1.51	98.91	2.27
9	(10)	Brazil	170 780	0.29	99.20	0.08
10	(9)	Sierra Leone	156 664	0.26	99.46	0.07
11	(11)	Namibia	90 200	0.15	99.61	0.02
12	(18)	Congo, Rep.	46 758	0.08	99.69	0.01
13	(12)	Tanzania	45 670	0.08	99.76	0.01
14	(15)	Guinea	45 360	0.08	99.84	0.01
15	(17)	India	25 010	0.04	99.88	0.00
16	(16)	Liberia	23 980	0.04	99.92	0.00
17	(14)	Ghana	17 385	0.03	99.95	0.00
18	(13)	Guyana	13 040	0.02	99.97	0.00
19	(20)	Central African Republic	11 960	0.02	99.99	0.00
20	(19)	Cote d'Ivoire	2 231	0.00	100.00	0.00
21	(21)	Cameroon	1 757	0.00	100.00	0.00
		Total	59 771 307	100.00		HHI 2 081

Diatomite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	700 000	34.30	34.30	1 176.51
2	(2)	China	400 000	19.60	53.90	384.17
3	(7)	Turkey	169 584	8.31	62.21	69.05
4	(13)	Korea, South	133 741	6.55	68.76	42.95
5	(3)	Denmark	110 000	5.39	74.15	29.05
6	(4)	Peru	96 590	4.73	78.89	22.40
7	(5)	Mexico	96 374	4.72	83.61	22.30
8	(6)	France	90 000	4.41	88.02	19.45
9	(9)	Spain	70 550	3.46	91.48	11.95
10	(8)	Argentina	70 419	3.45	94.93	11.91

11	(11)	Czech Republic	34 000	1.67	96.59	2.78
12	(10)	Chile	27 557	1.35	97.94	1.82
13	(12)	Armenia	23 465	1.15	99.09	1.32
14	(15)	Brazil	5 000	0.25	99.34	0.06
15	(14)	Costa Rica	4 218	0.21	99.54	0.04
16	(16)	Ethiopia	4 000	0.20	99.74	0.04
17	(17)	Algeria	2 439	0.12	99.86	0.01
18	(18)	Kenya	1 278	0.06	99.92	0.00
19	(19)	Australia	1 085	0.05	99.98	0.00
20	(20)	Poland	500	0.02	100.00	0.00
		Total	2 040 800	100.00		HHI 1 796

Feldspar

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Turkey	10 273 573	29.38	29.38	863.16
2	(3)	Germany	5 300 000	15.16	44.54	229.72
3	(2)	India	4 189 560	11.98	56.52	143.54
4	(4)	China	2 500 000	7.15	63.67	51.11
5	(5)	Italy	2 200 000	6.29	69.96	39.58
6	(7)	Thailand	1 385 925	3.96	73.92	15.71
7	(6)	Indonesia	1 346 700	3.85	77.77	14.83
8	(8)	Iran	1 128 585	3.23	81.00	10.42
9	(9)	Korea, South	717 177	2.05	83.05	4.21
10	(10)	Spain	595 666	1.70	84.75	2.90
11	(11)	France	550 000	1.57	86.33	2.47
12	(12)	United States	530 000	1.52	87.84	2.30
13	(13)	Brazil	460 000	1.32	89.16	1.73
14	(15)	Malaysia	442 000	1.26	90.42	1.60
15	(16)	Egypt	400 000	1.14	91.57	1.31
16	(14)	Czech Republic	368 000	1.05	92.62	1.11
17	(18)	Russia	293 300	0.84	93.46	0.70
18	(17)	Pakistan	273 468	0.78	94.24	0.61
19	(26)	Mexico	241 480	0.69	94.93	0.48
20	(19)	Saudi Arabia	197 000	0.56	95.49	0.32
21	(21)	Algeria	170 000	0.49	95.98	0.24
22	(21)	Argentina	154 770	0.44	96.42	0.20
23	(24)	Portugal	126 211	0.36	96.78	0.13
24	(25)	South Africa	116 705	0.33	97.12	0.11
25	(23)	Colombia	116 348	0.33	97.45	0.11
26	(27)	Japan	105 000	0.30	97.75	0.09
27	(36)	Morocco	101 064	0.29	98.04	0.08
28	(28)	Sri Lanka	96 000	0.27	98.31	0.08
29	(22)	Ecuador	92 871	0.27	98.58	0.07
30	(29)	Poland	91 200	0.26	98.84	0.07
31	(30)	Venezuela	75 000	0.21	99.05	0.05
32	(31)	Sudan	60 000	0.17	99.23	0.03
33	(32)	Philippines	47 000	0.13	99.36	0.02
34	(35)	Ukraine	35 000	0.10	99.46	0.01
35	(33)	Austria	35 000	0.10	99.56	0.01
36	(38)	Guatemala	29 145	0.08	99.64	0.01
37	(34)	Nigeria	27 660	0.08	99.72	0.01
38	(39)	Sweden	22 000	0.06	99.79	0.00
39	(40)	Macedonia	21 237	0.06	99.85	0.00
40	(42)	Peru	14 930	0.04	99.89	0.00

41	(41)	Finland	14 926	0.04	99.93	0.00
42	(44)	Cuba	8 715	0.02	99.96	0.00
43	(45)	Dominican Republic	5 000	0.01	99.97	0.00
44	(46)	Romania	5 000	0.01	99.99	0.00
45	(43)	Chile	4 421	0.01	100.00	0.00
46	(47)	Uruguay	370	0.00	100.00	0.00
47	(37)	Australia	329	0.00	100.00	0.00
Total			34 968 336	100.00		HHI 1 389

Fluorspar

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	4 000 000	66.85	66.85	4 469.25
2	(2)	Mexico	772 100	12.90	79.76	166.52
3	(3)	Mongolia	319 330	5.34	85.09	28.48
4	(5)	South Africa	255 000	4.26	89.36	18.16
5	(4)	Vietnam	234 420	3.92	93.27	15.35
6	(6)	Spain	125 870	2.10	95.38	4.43
7	(7)	Morocco	75 509	1.26	96.64	1.59
8	(8)	Iran	55 297	0.92	97.56	0.85
9	(9)	Germany	45 375	0.76	98.32	0.58
10	(11)	Brazil	27 000	0.45	98.77	0.20
11	(15)	Turkey	20 150	0.34	99.11	0.11
12	(13)	Argentina	13 696	0.23	99.34	0.05
13	(14)	United Kingdom	12 000	0.20	99.54	0.04
14	(10)	Kenya	6 945	0.12	99.66	0.01
15	(18)	Russia	6 000	0.10	99.76	0.01
16	(12)	Thailand	5 500	0.09	99.85	0.01
17	(19)	Afghanistan	3 000	0.05	99.90	0.00
18	(**)	Korea, North	2 500	0.04	99.94	0.00
19	(16)	Pakistan	2 263	0.04	99.98	0.00
20	(20)	India	1 313	0.02	100.00	0.00
21	(21)	Colombia	57	0.00	100.00	0.00
Total			5 983 325	100.00		HHI 4 706

Graphite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	670 000	71.04	71.04	5 046.63
2	(3)	Brazil	85 000	9.01	80.05	81.23
3	(4)	Korea, North	50 000	5.30	85.35	28.11
4	(2)	India	33 558	3.56	88.91	12.66
5	(6)	Russia	25 400	2.69	91.60	7.25
6	(5)	Canada	20 000	2.12	93.73	4.50
7	(10)	Madagascar	13 300	1.41	95.14	1.99
8	(8)	Ukraine	13 000	1.38	96.51	1.90
9	(7)	Mexico	10 310	1.09	97.61	1.20
10	(9)	Norway	9 600	1.02	98.63	1.04
11	(**)	Turkey	4 000	0.42	99.05	0.18

12	(12)	Sri Lanka	3 800	0.40	99.45	0.16
13	(**)	Namibia	2 216	0.23	99.69	0.06
14	(11)	Zimbabwe	1 577	0.17	99.85	0.03
15	(**)	Mozambique	802	0.09	99.94	0.01
16	(13)	Germany	422	0.04	99.98	0.00
17	(14)	Austria	150	0.02	100.00	0.00
Total			943 135	100.00		HHI 5 187

Gypsum and Anhydrite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	25 000 000	16.53	16.53	273.19
2	(2)	United States	17 500 000	11.57	28.10	133.86
3	(3)	Iran	13 942 092	9.22	37.32	84.96
4	(4)	Thailand	10 646 644	7.04	44.35	49.55
5	(5)	Turkey	10 223 112	6.76	51.11	45.68
6	(6)	Spain	9 428 782	6.23	57.35	38.86
7	(7)	Oman	8 438 286	5.58	62.93	31.12
8	(8)	Mexico	7 609 704	5.03	67.96	25.31
9	(11)	Germany	4 450 000	2.94	70.90	8.66
10	(9)	Russia	4 400 000	2.91	73.81	8.46
11	(12)	Australia	3 381 670	2.24	76.04	5.00
12	(13)	Saudi Arabia	3 150 000	2.08	78.13	4.34
13	(10)	France	3 013 543	1.99	80.12	3.97
14	(15)	India	3 000 000	1.98	82.10	3.93
15	(18)	Canada	2 888 509	1.91	84.01	3.65
16	(16)	Algeria	2 200 000	1.45	85.47	2.12
17	(14)	Brazil	2 150 000	1.42	86.89	2.02
18	(17)	Pakistan	2 079 629	1.37	88.26	1.89
19	(20)	Ukraine	1 528 900	1.01	89.27	1.02
20	(19)	Argentina	1 275 608	0.84	90.12	0.71
21	(21)	United Kingdom	1 200 000	0.79	90.91	0.63
22	(24)	Chile	1 157 466	0.77	91.68	0.59
23	(22)	Poland	1 108 000	0.73	92.41	0.54
24	(23)	Iraq	1 000 000	0.66	93.07	0.44
25	(30)	Tunisia	800 000	0.53	93.60	0.28
26	(27)	Romania	764 786	0.51	94.10	0.26
27	(26)	Egypt	742 000	0.49	94.59	0.24
28	(29)	Austria	712 469	0.47	95.07	0.22
29	(28)	Cyprus	647 108	0.43	95.49	0.18
30	(25)	Greece	547 140	0.36	95.86	0.13
31	(31)	Italy	476 471	0.32	96.17	0.10
32	(33)	Laos	463 039	0.31	96.48	0.09
33	(32)	Colombia	405 802	0.27	96.74	0.07
34	(44)	Moldova	358 500	0.24	96.98	0.06
35	(34)	Switzerland	340 000	0.22	97.21	0.05
36	(36)	Bhutan	328 128	0.22	97.42	0.05
37	(38)	South Africa	320 685	0.21	97.64	0.04
38	(35)	Myanmar	297 339	0.20	97.83	0.04
39	(39)	Peru	286 657	0.19	98.02	0.04
40	(42)	Latvia	278 260	0.18	98.21	0.03
41	(45)	Macedonia	217 491	0.14	98.35	0.02
42	(41)	Ireland	200 000	0.13	98.48	0.02
43	(37)	Dominican Republic	158 020	0.10	98.59	0.01
44	(40)	Portugal	152 059	0.10	98.69	0.01

45	(48)	Libya	150 000	0.10	98.79	0.01
46	(49)	Israel	150 000	0.10	98.88	0.01
47	(47)	Croatia	147 934	0.10	98.98	0.01
48	(51)	Guatemala	135 154	0.09	99.07	0.01
49	(43)	Tanzania	123 645	0.08	99.15	0.01
50	(53)	Kyrgyzstan	100 000	0.07	99.22	0.00
51	(57)	Bosnia-Herzegovina	99 001	0.07	99.29	0.00
52	(58)	Bulgaria	88 000	0.06	99.34	0.00
53	(54)	Norway	87 891	0.06	99.40	0.00
54	(56)	Cuba	85 400	0.06	99.46	0.00
55	(46)	Azerbaijan	85 076	0.06	99.51	0.00
56	(59)	Mauritania	80 000	0.05	99.57	0.00
57	(55)	Jordan	80 000	0.05	99.62	0.00
58	(50)	Albania	70 000	0.05	99.67	0.00
59	(65)	Nicaragua	66 740	0.04	99.71	0.00
60	(52)	Yemen	50 000	0.03	99.74	0.00
61	(62)	Jamaica	46 000	0.03	99.77	0.00
62	(61)	Slovakia	45 600	0.03	99.80	0.00
63	(64)	Ethiopia	45 000	0.03	99.83	0.00
64	(70)	Tajikistan	43 066	0.03	99.86	0.00
65	(60)	Afghanistan	40 000	0.03	99.89	0.00
66	(67)	Nigeria	39 939	0.03	99.92	0.00
67	(**)	Angola	32 000	0.02	99.94	0.00
68	(66)	Sudan	30 100	0.02	99.96	0.00
69	(63)	Syria	20 000	0.01	99.97	0.00
70	(68)	Armenia	14 336	0.01	99.98	0.00
71	(71)	Indonesia	8 000	0.01	99.98	0.00
72	(69)	Czech Republic	7 000	0.00	99.99	0.00
73	(72)	Kenya	5 700	0.00	99.99	0.00
74	(73)	Honduras	5 000	0.00	100.00	0.00
75	(74)	Paraguay	4 500	0.00	100.00	0.00
76	(76)	Eritrea	1 000	0.00	100.00	0.00
77	(75)	Bolivia	473	0.00	100.00	0.00
		Total	151 254 454	100.00		HHI 733

Kaolin

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	7 430 000	18.32	18.32	335.49
2	(2)	United States	5 500 000	13.56	31.87	183.83
3	(3)	Germany	5 168 000	12.74	44.61	162.31
4	(4)	India	4 100 000	10.11	54.72	102.16
5	(5)	Czech Republic	3 669 000	9.04	63.77	81.81
6	(6)	Ukraine	2 379 636	5.87	69.63	34.41
7	(7)	Brazil	1 880 000	4.63	74.27	21.48
8	(8)	Turkey	1 362 799	3.36	77.63	11.29
9	(9)	Russia	1 173 400	2.89	80.52	8.37
10	(11)	Iran	861 938	2.12	82.64	4.51
11	(10)	United Kingdom	750 230	1.85	84.49	3.42
12	(12)	Indonesia	736 600	1.82	86.31	3.30
13	(14)	Italy	561 887	1.39	87.70	1.92
14	(17)	Spain	475 074	1.17	88.87	1.37
15	(16)	Korea, South	416 648	1.03	89.89	1.05
16	(15)	Malaysia	336 290	0.83	90.72	0.69
17	(18)	Bulgaria	322 800	0.80	91.52	0.63

18	(21)	Portugal	307 982	0.76	92.28	0.58
19	(13)	Mexico	294 055	0.72	93.00	0.53
20	(20)	Poland	284 650	0.70	93.70	0.49
21	(23)	France	279 120	0.69	94.39	0.47
22	(19)	Uzbekistan	269 906	0.67	95.06	0.44
23	(22)	Bosnia-Herzegovina	252 959	0.62	95.68	0.39
24	(24)	Egypt	230 000	0.57	96.25	0.32
25	(27)	Oman	218 600	0.54	96.79	0.29
26	(26)	Saudi Arabia	206 000	0.51	97.29	0.26
27	(25)	Australia	192 150	0.47	97.77	0.22
28	(28)	Serbia	110 000	0.27	98.04	0.07
29	(29)	Thailand	103 079	0.25	98.29	0.06
30	(31)	Algeria	100 000	0.25	98.54	0.06
31	(30)	Vietnam	100 000	0.25	98.79	0.06
32	(33)	Chile	60 000	0.15	98.93	0.02
33	(34)	Uganda	55 317	0.14	99.07	0.02
34	(32)	New Zealand	50 424	0.12	99.20	0.02
35	(37)	Nigeria	46 935	0.12	99.31	0.01
36	(**)	Kyrgyzstan	40 000	0.10	99.41	0.01
37	(39)	South Africa	31 295	0.08	99.49	0.01
38	(35)	Romania	31 000	0.08	99.56	0.01
39	(38)	Pakistan	28 670	0.07	99.63	0.00
40	(36)	Argentina	19 940	0.05	99.68	0.00
41	(40)	Peru	17 700	0.04	99.73	0.00
42	(55)	Tanzania	13 816	0.03	99.76	0.00
43	(45)	Slovakia	13 584	0.03	99.79	0.00
44	(41)	Austria	13 500	0.03	99.83	0.00
45	(42)	Sri Lanka	13 000	0.03	99.86	0.00
46	(43)	Japan	12 000	0.03	99.89	0.00
47	(44)	Jordan	11 000	0.03	99.92	0.00
48	(46)	Philippines	10 000	0.02	99.94	0.00
49	(48)	Paraguay	6 000	0.01	99.96	0.00
50	(47)	Sudan	5 446	0.01	99.97	0.00
51	(49)	Ethiopia	4 600	0.01	99.98	0.00
52	(51)	Taiwan	4 000	0.01	99.99	0.00
53	(52)	Cuba	1 500	0.00	99.99	0.00
54	(53)	Kenya	1 000	0.00	100.00	0.00
55	(54)	Guatemala	657	0.00	100.00	0.00
56	(50)	Ecuador	548	0.00	100.00	0.00
57	(56)	Eritrea	200	0.00	100.00	0.00
		Total	40 564 935	100.00		HHI 962

Magnesite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	16 500 000	64.79	64.79	4 197.12
2	(2)	Turkey	1 694 071	6.65	71.44	44.24
3	(3)	Brazil	1 600 000	6.28	77.72	39.47
4	(4)	Russia	1 397 000	5.49	83.20	30.09
5	(5)	Slovakia	975 100	3.83	87.03	14.66
6	(7)	Spain	788 991	3.10	90.13	9.60
7	(6)	Austria	730 482	2.87	93.00	8.23
8	(9)	Greece	442 680	1.74	94.74	3.02
9	(8)	Australia	210 844	0.83	95.56	0.69
10	(10)	India	195 033	0.77	96.33	0.59

11	(11)	Korea, North	181 700	0.71	97.04	0.51
12	(13)	Iran	166 636	0.65	97.70	0.43
13	(12)	Canada	150 000	0.59	98.29	0.35
14	(15)	Saudi Arabia	104 132	0.41	98.70	0.17
15	(16)	Poland	101 920	0.40	99.10	0.16
16	(14)	Mexico	101 000	0.40	99.49	0.16
17	(17)	Finland	63 850	0.25	99.74	0.06
18	(18)	Pakistan	19 656	0.08	99.82	0.01
19	(19)	Guatemala	16 298	0.06	99.88	0.00
20	(20)	Philippines	10 000	0.04	99.92	0.00
21	(21)	South Africa	9 000	0.04	99.96	0.00
22	(22)	Bosnia-Herzegovina	8 500	0.03	99.99	0.00
23	(23)	Colombia	1 883	0.01	100.00	0.00
Total			25 468 776	100.00		HHI 4 350

Perlite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(2)	Greece	932 950	40.92	40.92	1 674.51
2	(1)	Turkey	606 231	26.59	67.51	707.05
3	(3)	United States	520 000	22.81	90.32	520.21
4	(4)	Russia	45 000	1.97	92.29	3.90
5	(6)	Philippines	39 000	1.71	94.00	2.93
6	(7)	Hungary	34 628	1.52	95.52	2.31
7	(11)	Iran	23 837	1.05	96.57	1.09
8	(8)	Slovakia	20 000	0.88	97.45	0.77
9	(10)	Argentina	19 924	0.87	98.32	0.76
10	(5)	Armenia	14 036	0.62	98.93	0.38
11	(9)	Mexico	13 000	0.57	99.51	0.33
12	(12)	Thailand	5 800	0.25	99.76	0.06
13	(13)	Chile	4 210	0.18	99.94	0.03
14	(14)	South Africa	1 000	0.04	99.99	0.00
15	(15)	Australia	275	0.01	100.00	0.00
Total			2 279 891	100.00		HHI 2 914

Phosphates (P₂O₅-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	43 332 000	51.26	51.26	2 627.82
2	(2)	Morocco	10 490 100	12.41	63.67	154.01
3	(3)	United States	7 784 000	9.21	72.88	84.80
4	(4)	Russia	4 875 000	5.77	78.65	33.26
5	(5)	Peru	3 211 140	3.80	82.45	14.43
6	(6)	Jordan	2 780 030	3.29	85.74	10.82
7	(7)	Brazil	1 705 000	2.02	87.75	4.07
8	(10)	Tunisia	1 203 600	1.42	89.18	2.03
9	(9)	Saudi Arabia	1 134 000	1.34	90.52	1.80
10	(8)	Israel	1 032 900	1.22	91.74	1.49
11	(11)	Egypt	1 000 000	1.18	92.92	1.40

12	(13)	Vietnam	971 670	1.15	94.07	1.32
13	(14)	Senegal	841 020	0.99	95.07	0.99
14	(15)	South Africa	727 800	0.86	95.93	0.74
15	(12)	Mexico	692 150	0.82	96.75	0.67
16	(17)	Kazakhstan	400 000	0.47	97.22	0.22
17	(19)	India	385 000	0.46	97.68	0.21
18	(16)	Algeria	378 100	0.45	98.12	0.20
19	(18)	Finland	352 300	0.42	98.54	0.17
20	(20)	Togo	266 260	0.31	98.85	0.10
21	(21)	Australia	216 670	0.26	99.11	0.07
22	(23)	Uzbekistan	170 000	0.20	99.31	0.04
23	(24)	Christmas Island	147 890	0.17	99.49	0.03
24	(25)	Syria	100 000	0.12	99.61	0.01
25	(26)	Korea, North	95 000	0.11	99.72	0.01
26	(27)	Iran	88 715	0.10	99.82	0.01
27	(29)	Nauru	50 900	0.06	99.88	0.00
28	(28)	Iraq	40 000	0.05	99.93	0.00
29	(32)	Sri Lanka	14 850	0.02	99.95	0.00
30	(30)	Colombia	13 580	0.02	99.96	0.00
31	(31)	Pakistan	11 100	0.01	99.98	0.00
32	(33)	Philippines	8 600	0.01	99.99	0.00
33	(35)	Venezuela	5 000	0.01	99.99	0.00
34	(**)	Thailand	2 400	0.00	100.00	0.00
35	(37)	Malawi	1 700	0.00	100.00	0.00
36	(36)	Chile	1 190	0.00	100.00	0.00
37	(34)	Tanzania	300	0.00	100.00	0.00
Total			84 529 965	100.00		HHI 2 941

Potash (K₂O-Content)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Canada	12 406 609	28.95	28.95	837.89
2	(3)	Belarus	7 101 800	16.57	45.52	274.55
3	(2)	Russia	6 900 000	16.10	61.61	259.17
4	(4)	China	5 997 000	13.99	75.61	195.77
5	(5)	Germany	2 906 481	6.78	82.39	45.98
6	(6)	Israel	2 126 700	4.96	87.35	24.62
7	(8)	Jordan	1 415 260	3.30	90.65	10.90
8	(7)	Chile	1 238 630	2.89	93.54	8.35
9	(9)	Iran	804 900	1.88	95.42	3.53
10	(10)	Spain	557 468	1.30	96.72	1.69
11	(11)	United States	480 000	1.12	97.84	1.25
12	(14)	Laos	307 600	0.72	98.56	0.52
13	(13)	Brazil	306 296	0.71	99.27	0.51
14	(12)	United Kingdom	227 000	0.53	99.80	0.28
15	(15)	Uzbekistan	85 000	0.20	100.00	0.04
Total			42 860 744	100.00		HHI 1 665

Salt

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	66 541 700	23.39	23.39	547.32
2	(2)	United States	43 000 000	15.12	38.51	228.55
3	(3)	India	27 560 000	9.69	48.20	93.89
4	(4)	Germany	15 567 990	5.47	53.68	29.96
5	(5)	Australia	12 218 780	4.30	57.97	18.45
6	(6)	Canada	11 385 580	4.00	61.97	16.02
7	(7)	Mexico	8 671 281	3.05	65.02	9.29
8	(9)	Brazil	7 600 000	2.67	67.70	7.14
9	(8)	Chile	7 440 741	2.62	70.31	6.84
10	(10)	Netherlands	6 935 000	2.44	72.75	5.94
11	(11)	Turkey	6 644 552	2.34	75.09	5.46
12	(15)	France	4 751 174	1.67	76.76	2.79
13	(16)	Poland	4 660 000	1.64	78.39	2.68
14	(13)	United Kingdom	4 500 000	1.58	79.98	2.50
15	(14)	Spain	4 210 768	1.48	81.46	2.19
16	(12)	Russia	4 057 000	1.43	82.88	2.03
17	(17)	Pakistan	3 806 888	1.34	84.22	1.79
18	(18)	Bulgaria	3 400 000	1.20	85.42	1.43
19	(20)	Italy	3 195 063	1.12	86.54	1.26
20	(19)	Iran	2 839 430	1.00	87.54	1.00
21	(22)	Saudi Arabia	2 520 000	0.89	88.42	0.78
22	(21)	Belarus	2 500 000	0.88	89.30	0.77
23	(23)	Romania	2 340 000	0.82	90.13	0.68
24	(24)	Argentina	1 930 000	0.68	90.81	0.46
25	(25)	Ukraine	1 815 684	0.64	91.44	0.41
26	(26)	Egypt	1 700 000	0.60	92.04	0.36
27	(27)	Bangladesh	1 660 000	0.58	92.62	0.34
28	(29)	Thailand	1 497 223	0.53	93.15	0.28
29	(28)	Peru	1 481 398	0.52	93.67	0.27
30	(30)	Philippines	1 250 000	0.44	94.11	0.19
31	(31)	Tunisia	1 200 000	0.42	94.53	0.18
32	(32)	Austria	1 156 326	0.41	94.94	0.17
33	(60)	Indonesia	1 110 000	0.39	95.33	0.15
34	(34)	Bosnia-Herzegovina	1 029 302	0.36	95.69	0.13
35	(35)	Japan	926 000	0.33	96.02	0.11
36	(36)	Namibia	866 586	0.30	96.32	0.09
37	(33)	Vietnam	854 300	0.30	96.62	0.09
38	(37)	Kazakhstan	814 509	0.29	96.91	0.08
39	(39)	Morocco	659 263	0.23	97.14	0.05
40	(38)	Venezuela	600 000	0.21	97.35	0.04
41	(40)	Denmark	600 000	0.21	97.56	0.04
42	(41)	Colombia	501 499	0.18	97.74	0.03
43	(42)	Korea, North	500 000	0.18	97.91	0.03
44	(43)	South Africa	492 844	0.17	98.09	0.03
45	(44)	Switzerland	448 509	0.16	98.25	0.02
46	(46)	Israel	400 000	0.14	98.39	0.02
47	(45)	Botswana	369 613	0.13	98.52	0.02
48	(49)	Bahamas	349 710	0.12	98.64	0.02
49	(48)	Ethiopia	320 000	0.11	98.75	0.01
50	(47)	Korea, South	308 844	0.11	98.86	0.01
51	(50)	Senegal	265 040	0.09	98.95	0.01
52	(51)	Ghana	250 000	0.09	99.04	0.01
53	(52)	Cuba	246 300	0.09	99.13	0.01
54	(54)	Iraq	200 000	0.07	99.20	0.00
55	(58)	Algeria	165 000	0.06	99.26	0.00
56	(57)	Greece	163 802	0.06	99.31	0.00

57	(56)	Mozambique	160 000	0.06	99.37	0.00
58	(53)	Myanmar	138 791	0.05	99.42	0.00
59	(68)	Armenia	137 236	0.05	99.47	0.00
60	(55)	Tanzania	124 500	0.04	99.51	0.00
61	(62)	New Zealand	102 000	0.04	99.55	0.00
62	(65)	Angola	101 000	0.04	99.58	0.00
63	(64)	El Salvador	100 000	0.04	99.62	0.00
64	(63)	Turkmenistan	100 000	0.04	99.65	0.00
65	(66)	Madagascar	80 000	0.03	99.68	0.00
66	(67)	Taiwan	77 000	0.03	99.71	0.00
67	(72)	Afghanistan	75 579	0.03	99.73	0.00
68	(61)	Sri Lanka	74 108	0.03	99.76	0.00
69	(69)	Kuwait	67 000	0.02	99.78	0.00
70	(70)	Azerbaijan	66 968	0.02	99.81	0.00
71	(71)	Honduras	59 000	0.02	99.83	0.00
72	(74)	Yemen	50 000	0.02	99.85	0.00
73	(73)	Nicaragua	50 000	0.02	99.86	0.00
74	(81)	Kenya	43 245	0.02	99.88	0.00
75	(76)	Tajikistan	41 323	0.01	99.89	0.00
76	(75)	Laos	37 490	0.01	99.91	0.00
77	(59)	Cambodia	32 000	0.01	99.92	0.00
78	(77)	Libya	30 000	0.01	99.93	0.00
79	(78)	Eritrea	28 000	0.01	99.94	0.00
80	(85)	Albania	25 500	0.01	99.95	0.00
81	(82)	Sudan	21 495	0.01	99.95	0.00
82	(84)	Croatia	19 006	0.01	99.96	0.00
83	(80)	Panama	18 637	0.01	99.97	0.00
84	(87)	Oman	18 035	0.01	99.97	0.00
85	(86)	Jamaica	12 565	0.00	99.98	0.00
86	(88)	Jordan	10 000	0.00	99.98	0.00
87	(83)	Syria	10 000	0.00	99.99	0.00
88	(89)	Serbia	8 197	0.00	99.99	0.00
89	(91)	Portugal	7 800	0.00	99.99	0.00
90	(90)	Kyrgyzstan	6 000	0.00	99.99	0.00
91	(92)	Iceland	5 000	0.00	100.00	0.00
92	(93)	Bolivia	3 358	0.00	100.00	0.00
93	(94)	Lebanon	3 000	0.00	100.00	0.00
94	(95)	Slovenia	2 335	0.00	100.00	0.00
95	(96)	Malta	1 600	0.00	100.00	0.00
96	(98)	Mauritius	1 000	0.00	100.00	0.00
97	(97)	Cape Verde	1 000	0.00	100.00	0.00
98	(100)	Mongolia	860	0.00	100.00	0.00
99	(99)	Benin	500	0.00	100.00	0.00
		Total	284 428 827	100.00		HHI 992

Sulfur

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	9 660 000	13.12	13.12	172.05
2	(2)	China	8 940 000	12.14	25.26	147.36
3	(3)	Russia	7 000 000	9.50	34.76	90.34
4	(4)	Saudi Arabia	6 564 200	8.91	43.67	79.44
5	(5)	Canada	5 464 000	7.42	51.09	55.05
6	(6)	United Arab Emirates	4 600 000	6.25	57.34	39.01
7	(9)	Kazakhstan	3 789 700	5.15	62.49	26.48

8	(7)	Japan	3 488 600	4.74	67.22	22.44
9	(8)	India	3 475 200	4.72	71.94	22.27
10	(11)	Iran	2 200 000	2.99	74.93	8.92
11	(10)	Qatar	2 000 000	2.72	77.64	7.37
12	(12)	Korea, South	2 000 000	2.72	80.36	7.37
13	(13)	Chile	1 781 400	2.42	82.78	5.85
14	(14)	Philippines	1 056 400	1.43	84.21	2.06
15	(16)	Finland	937 000	1.27	85.49	1.62
16	(15)	Australia	900 000	1.22	86.71	1.49
17	(17)	Italy	810 000	1.10	87.81	1.21
18	(19)	Venezuela	700 000	0.95	88.76	0.90
19	(22)	Poland	686 210	0.93	89.69	0.87
20	(30)	Zambia	679 500	0.92	90.61	0.85
21	(21)	Spain	633 000	0.86	91.47	0.74
22	(18)	Kuwait	556 800	0.76	92.23	0.57
23	(20)	Mexico	551 218	0.75	92.98	0.56
24	(23)	Germany	537 882	0.73	93.71	0.53
25	(24)	Peru	536 200	0.73	94.43	0.53
26	(26)	Brazil	530 000	0.72	95.15	0.52
27	(28)	Bulgaria	501 000	0.68	95.83	0.46
28	(25)	Indonesia	500 000	0.68	96.51	0.46
29	(29)	France	500 000	0.68	97.19	0.46
30	(31)	South Africa	256 700	0.35	97.54	0.12
31	(33)	Greece	210 000	0.29	97.83	0.08
32	(32)	Taiwan	203 000	0.28	98.10	0.08
33	(27)	Turkmenistan	200 000	0.27	98.37	0.07
34	(36)	Bahrain	131 070	0.18	98.55	0.03
35	(34)	United Kingdom	130 000	0.18	98.73	0.03
36	(37)	Ukraine	130 000	0.18	98.90	0.03
37	(35)	Jordan	130 000	0.18	99.08	0.03
38	(38)	Norway	100 000	0.14	99.22	0.02
39	(39)	Lithuania	93 970	0.13	99.34	0.02
40	(40)	Turkey	92 500	0.13	99.47	0.02
41	(43)	Egypt	80 000	0.11	99.58	0.01
42	(41)	Colombia	77 000	0.10	99.68	0.01
43	(42)	Libya	75 000	0.10	99.78	0.01
44	(45)	Oman	59 140	0.08	99.86	0.01
45	(44)	Iraq	40 000	0.05	99.92	0.00
46	(46)	Pakistan	23 740	0.03	99.95	0.00
47	(47)	Korea, North	10 000	0.01	99.96	0.00
48	(48)	Armenia	8 100	0.01	99.98	0.00
49	(51)	Austria	7 691	0.01	99.99	0.00
50	(50)	Algeria	6 000	0.01	99.99	0.00
51	(49)	Denmark	4 004	0.01	100.00	0.00
		Total	73 646 225	100.00		HHI 698

Talc

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 800 000	22.51	22.51	506.51
2	(2)	India	1 696 300	21.21	43.71	449.83
3	(4)	United States	550 000	6.88	50.59	47.29
4	(5)	Brazil	500 000	6.25	56.84	39.08
5	(9)	Turkey	474 482	5.93	62.78	35.20
6	(6)	France	470 000	5.88	68.65	34.53

7	(3)	Korea, South	434 292	5.43	74.08	29.49
8	(7)	Japan	375 000	4.69	78.77	21.98
9	(8)	Finland	354 819	4.44	83.21	19.68
10	(10)	Canada	225 000	2.81	86.02	7.91
11	(11)	Italy	165 000	2.06	88.08	4.26
12	(13)	Pakistan	152 279	1.90	89.99	3.63
13	(12)	Russia	150 000	1.88	91.86	3.52
14	(14)	Austria	123 558	1.54	93.41	2.39
15	(16)	Australia	100 000	1.25	94.66	1.56
16	(17)	Iran	86 514	1.08	95.74	1.17
17	(15)	Thailand	61 436	0.77	96.51	0.59
18	(22)	South Africa	58 776	0.73	97.24	0.54
19	(18)	Saudi Arabia	44 000	0.55	97.79	0.30
20	(21)	Peru	42 123	0.53	98.32	0.28
21	(19)	Korea, North	40 000	0.50	98.82	0.25
22	(20)	Egypt	30 000	0.38	99.20	0.14
23	(23)	Argentina	15 330	0.19	99.39	0.04
24	(31)	Slovakia	14 000	0.18	99.56	0.03
25	(24)	Portugal	13 600	0.17	99.73	0.03
26	(30)	Nepal	7 096	0.09	99.82	0.01
27	(26)	Sudan	4 000	0.05	99.87	0.00
28	(27)	United Kingdom	3 000	0.04	99.91	0.00
29	(28)	Guatemala	1 982	0.02	99.93	0.00
30	(33)	Nigeria	1 897	0.02	99.96	0.00
31	(29)	Bhutan	1 293	0.02	99.97	0.00
32	(25)	Mexico	1 280	0.02	99.99	0.00
33	(32)	Macedonia	478	0.01	99.99	0.00
34	(35)	Taiwan	250	0.00	100.00	0.00
35	(34)	Uruguay	100	0.00	100.00	0.00
36	(36)	Colombia	59	0.00	100.00	0.00
Total			7 997 944	100.00		HHI 1 210

Vermiculite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	166 084	39.15	39.15	1 532.70
2	(2)	United States	100 000	23.57	62.72	555.65
3	(3)	Brazil	50 050	11.80	74.52	139.19
4	(4)	China	50 000	11.79	86.31	138.91
5	(5)	Zimbabwe	23 302	5.49	91.80	30.17
6	(6)	Russia	20 000	4.71	96.51	22.23
7	(7)	India	6 055	1.43	97.94	2.04
8	(8)	Uganda	4 119	0.97	98.91	0.94
9	(9)	Egypt	3 000	0.71	99.62	0.50
10	(10)	Turkey	1 618	0.38	100.00	0.15
Total			424 228	100.00		HHI 2 422

Zircon

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	570 000	40.13	40.13	1 610.80
2	(2)	South Africa	332 650	23.42	63.56	548.61
3	(3)	China	116 000	8.17	71.73	66.71
4	(4)	Mozambique	74 000	5.21	76.94	27.15
5	(5)	Senegal	61 563	4.33	81.27	18.79
6	(6)	United States	45 000	3.17	84.44	10.04
7	(7)	Kenya	42 217	2.97	87.41	8.84
8	(10)	India	30 000	2.11	89.52	4.46
9	(8)	Indonesia	26 780	1.89	91.41	3.56
10	(9)	Ukraine	26 500	1.87	93.28	3.48
11	(12)	Madagascar	25 950	1.83	95.10	3.34
12	(14)	Sri Lanka	24 486	1.72	96.83	2.97
13	(11)	Brazil	22 000	1.55	98.38	2.40
14	(15)	Russia	7 324	0.52	98.89	0.27
15	(13)	Vietnam	5 500	0.39	99.28	0.15
16	(17)	Nigeria	4 086	0.29	99.57	0.08
17	(16)	Sierra Leone	3 000	0.21	99.78	0.04
18	(18)	Malaysia	1 958	0.14	99.92	0.02
19	(19)	Turkey	1 200	0.08	100.00	0.01
Total			1 420 214	100.00		HHI 2 312

6.5.5 Mineral Fuels

Steam Coal

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	2 619 052 000	48.11	48.11	2 314.46
2	(2)	India	635 253 000	11.67	59.78	136.16
3	(3)	United States	572 577 000	10.52	70.30	110.62
4	(4)	Indonesia	461 248 184	8.47	78.77	71.78
5	(6)	Australia	253 795 000	4.66	83.43	21.73
6	(5)	South Africa	252 691 000	4.64	88.07	21.54
7	(7)	Russia	246 751 300	4.53	92.60	20.54
8	(8)	Colombia	84 795 450	1.56	94.16	2.43
9	(9)	Kazakhstan	84 758 000	1.56	95.72	2.42
10	(10)	Poland	52 999 000	0.97	96.69	0.95
11	(11)	Vietnam	38 237 000	0.70	97.39	0.49
12	(13)	Canada	25 257 000	0.46	97.86	0.22
13	(14)	Ukraine	18 932 900	0.35	98.21	0.12
14	(12)	Korea, North	18 893 000	0.35	98.55	0.12
15	(17)	Mongolia	15 589 000	0.29	98.84	0.08
16	(15)	Philippines	11 932 000	0.22	99.06	0.05
17	(16)	Mexico	7 279 817	0.13	99.19	0.02
18	(24)	Mozambique	4 391 833	0.08	99.27	0.01
19	(19)	Pakistan	3 953 992	0.07	99.35	0.01
20	(20)	Brazil	3 325 439	0.06	99.41	0.00

21	(18)	United Kingdom	3 002 400	0.06	99.46	0.00
22	(23)	Malaysia	2 988 211	0.05	99.52	0.00
23	(22)	Chile	2 495 390	0.05	99.56	0.00
24	(32)	Zimbabwe	2 462 000	0.05	99.61	0.00
25	(21)	Czech Republic	2 337 100	0.04	99.65	0.00
26	(26)	Botswana	2 215 782	0.04	99.69	0.00
27	(29)	Afghanistan	2 191 400	0.04	99.73	0.00
28	(25)	Turkey	1 869 000	0.03	99.77	0.00
29	(31)	Tajikistan	1 760 090	0.03	99.80	0.00
30	(28)	Korea, South	1 485 582	0.03	99.83	0.00
31	(30)	New Zealand	1 449 000	0.03	99.85	0.00
32	(27)	Germany	1 409 800	0.03	99.88	0.00
33	(33)	Spain	1 161 748	0.02	99.90	0.00
34	(34)	Bangladesh	1 160 658	0.02	99.92	0.00
35	(38)	Myanmar	646 900	0.01	99.93	0.00
36	(40)	Tanzania	563 053	0.01	99.94	0.00
37	(37)	Venezuela	450 000	0.01	99.95	0.00
38	(35)	Nigeria	397 214	0.01	99.96	0.00
39	(41)	Peru	301 446	0.01	99.96	0.00
40	(39)	Georgia	268 100	0.00	99.97	0.00
41	(42)	Kyrgyzstan	248 000	0.00	99.97	0.00
42	(43)	Niger	233 792	0.00	99.98	0.00
43	(44)	Iran	206 000	0.00	99.98	0.00
44	(46)	Swaziland	202 277	0.00	99.99	0.00
45	(49)	Bhutan	161 527	0.00	99.99	0.00
46	(45)	Uzbekistan	160 000	0.00	99.99	0.00
47	(36)	Norway	134 433	0.00	99.99	0.00
48	(47)	Laos	133 284	0.00	100.00	0.00
49	(48)	Zambia	70 808	0.00	100.00	0.00
50	(50)	Italy	47 000	0.00	100.00	0.00
51	(51)	Malawi	45 230	0.00	100.00	0.00
52	(52)	Argentina	37 713	0.00	100.00	0.00
53	(54)	Nepal	10 237	0.00	100.00	0.00
		Total	5 444 017 090	100.00		HHI 2 704

Coking Coal

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	539 578 000	51.91	51.91	2 694.87
2	(2)	Australia	190 000 000	18.28	70.19	334.15
3	(3)	Russia	86 200 000	8.29	78.49	68.78
4	(5)	United States	65 427 000	6.29	84.78	39.62
5	(4)	India	40 147 000	3.86	88.64	14.92
6	(6)	Canada	26 860 000	2.58	91.23	6.68
7	(7)	Mongolia	25 773 000	2.48	93.71	6.15
8	(8)	Kazakhstan	15 468 000	1.49	95.19	2.21
9	(9)	Poland	12 380 000	1.19	96.39	1.42
10	(13)	Mozambique	7 385 930	0.71	97.10	0.50
11	(12)	Colombia	6 078 000	0.58	97.68	0.34
12	(10)	Ukraine	5 233 900	0.50	98.18	0.25
13	(11)	Mexico	4 566 000	0.44	98.62	0.19
14	(14)	South Africa	4 416 000	0.42	99.05	0.18
15	(16)	Czech Republic	2 532 900	0.24	99.29	0.06
16	(17)	Germany	2 258 700	0.22	99.51	0.05
17	(15)	Indonesia	1 840 000	0.18	99.69	0.03

18	(18)	New Zealand	1 173 000	0.11	99.80	0.01
19	(19)	Iran	909 000	0.09	99.89	0.01
20	(20)	Turkey	675 000	0.06	99.95	0.00
21	(21)	Zimbabwe	466 000	0.04	100.00	0.00
22	(22)	United Kingdom	38 660	0.00	100.00	0.00
Total			1 039 406 090	100.00		HHI 3 170

Lignite

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Germany	171 285 700	20.66	20.66	427.02
2	(3)	Turkey	75 395 000	9.10	29.76	82.74
3	(2)	Russia	74 900 000	9.04	38.80	81.65
4	(6)	Poland	63 060 000	7.61	46.40	57.88
5	(4)	United States	61 394 500	7.41	53.81	54.86
6	(5)	Australia	57 261 000	6.91	60.72	47.72
7	(7)	India	46 255 000	5.58	66.30	31.14
8	(9)	Serbia	39 774 000	4.80	71.10	23.03
9	(8)	Czech Republic	39 310 000	4.74	75.84	22.49
10	(10)	Greece	37 802 600	4.56	80.40	20.80
11	(11)	Bulgaria	34 587 500	4.17	84.57	17.41
12	(12)	Romania	25 752 300	3.11	87.68	9.65
13	(13)	Thailand	16 258 637	1.96	89.64	3.85
14	(14)	Bosnia-Herzegovina	14 033 504	1.69	91.34	2.87
15	(15)	Laos	13 439 492	1.62	92.96	2.63
16	(16)	Canada	9 247 000	1.12	94.07	1.24
17	(17)	Hungary	7 890 000	0.95	95.02	0.91
18	(18)	Kosovo	7 574 697	0.91	95.94	0.84
19	(19)	Mongolia	6 783 000	0.82	96.76	0.67
20	(20)	Kazakhstan	5 739 000	0.69	97.45	0.48
21	(21)	Macedonia	5 056 918	0.61	98.06	0.37
22	(22)	Uzbekistan	3 878 670	0.47	98.53	0.22
23	(24)	Slovenia	3 355 664	0.40	98.93	0.16
24	(25)	Slovakia	1 860 710	0.22	99.16	0.05
25	(28)	Spain	1 833 357	0.22	99.38	0.05
26	(26)	Kyrgyzstan	1 603 000	0.19	99.57	0.04
27	(23)	Brazil	1 488 084	0.18	99.75	0.03
28	(27)	Montenegro	1 474 800	0.18	99.93	0.03
29	(29)	New Zealand	319 487	0.04	99.97	0.00
30	(31)	Albania	183 200	0.02	99.99	0.00
31	(30)	Myanmar	90 000	0.01	100.00	0.00
Total			828 886 820	100.00		HHI 891

Natural Gas

Rank 2017	Rank 2016	Country	Production 2017 Mio m ³	Share in %	Share cum. %	Share HHI
1	(1)	United States	772 810	20.46	20.46	418.60
2	(2)	Russia	691 800	18.32	38.77	335.44
3	(3)	Iran	223 890	5.93	44.70	35.13

4	(4)	Qatar	169 087	4.48	49.18	20.04
5	(5)	Canada	159 385	4.22	53.40	17.81
6	(6)	China	148 035	3.92	57.32	15.36
7	(7)	Norway	124 157	3.29	60.60	10.80
8	(8)	Saudi Arabia	115 000	3.04	63.65	9.27
9	(9)	Australia	113 805	3.01	66.66	9.08
10	(10)	Algeria	96 599	2.56	69.22	6.54
11	(11)	Indonesia	72 420	1.92	71.14	3.68
12	(12)	Malaysia	70 290	1.86	73.00	3.46
13	(13)	Turkmenistan	62 030	1.64	74.64	2.70
14	(14)	United Arab Emirates	60 450	1.60	76.24	2.56
15	(15)	Uzbekistan	56 417	1.49	77.73	2.23
16	(17)	Nigeria	50 630	1.34	79.07	1.80
17	(21)	Egypt	49 020	1.30	80.37	1.68
18	(16)	Netherlands	43 867	1.16	81.53	1.35
19	(19)	United Kingdom	42 094	1.11	82.65	1.24
20	(18)	Pakistan	41 684	1.10	83.75	1.22
21	(20)	Argentina	39 740	1.05	84.80	1.11
22	(23)	Venezuela	37 440	0.99	85.79	0.98
23	(22)	Thailand	37 383	0.99	86.78	0.98
24	(24)	Oman	36 288	0.96	87.75	0.92
25	(25)	Trinidad and Tobago	34 789	0.92	88.67	0.85
26	(27)	India	31 806	0.84	89.51	0.71
27	(28)	Kazakhstan	31 587	0.84	90.34	0.70
28	(26)	Mexico	30 470	0.81	91.15	0.65
29	(30)	Brazil	28 663	0.76	91.91	0.58
30	(29)	Bangladesh	27 513	0.73	92.64	0.53
31	(31)	Bolivia	20 680	0.55	93.19	0.30
32	(32)	Ukraine	20 510	0.54	93.73	0.29
33	(34)	Myanmar	18 350	0.49	94.21	0.24
34	(33)	Azerbaijan	18 186	0.48	94.70	0.23
35	(35)	Kuwait	17 102	0.45	95.15	0.20
36	(36)	Bahrain	15 230	0.40	95.55	0.16
37	(37)	Peru	12 942	0.34	95.89	0.12
38	(39)	Brunei	12 007	0.32	96.21	0.10
39	(38)	Libya	11 530	0.31	96.52	0.09
40	(43)	Romania	10 582	0.28	96.80	0.08
41	(41)	Iraq	10 390	0.28	97.07	0.08
42	(40)	Vietnam	9 866	0.26	97.33	0.07
43	(44)	Equatorial Guinea	9 600	0.25	97.59	0.06
44	(42)	Colombia	8 900	0.24	97.82	0.06
45	(46)	Israel	8 720	0.23	98.05	0.05
46	(45)	Germany	7 932	0.21	98.26	0.04
47	(47)	Italy	5 538	0.15	98.41	0.02
48	(48)	Mozambique	5 110	0.14	98.55	0.02
49	(49)	Poland	5 009	0.13	98.68	0.02
50	(51)	Denmark	4 820	0.13	98.81	0.02
51	(50)	New Zealand	4 759	0.13	98.93	0.02
52	(52)	Philippines	3 922	0.10	99.04	0.01
53	(53)	Syria	3 620	0.10	99.13	0.01
54	(54)	Papua New Guinea	3 286	0.09	99.22	0.01
55	(56)	Ireland	3 170	0.08	99.30	0.01
56	(60)	Angola	3 100	0.08	99.39	0.01
57	(55)	Japan	3 008	0.08	99.47	0.01
58	(57)	Cote d'Ivoire	2 233	0.06	99.52	0.00
59	(58)	Tunisia	2 094	0.06	99.58	0.00
60	(64)	Austria	1 742	0.05	99.63	0.00
61	(59)	Hungary	1 605	0.04	99.67	0.00
62	(61)	Croatia	1 484	0.04	99.71	0.00
63	(62)	Congo, Rep.	1 390	0.04	99.74	0.00
64	(63)	Tanzania	1 344	0.04	99.78	0.00
65	(66)	Chile	1 200	0.03	99.81	0.00

66	(65)	Cuba	1 051	0.03	99.84	0.00
67	(68)	Ghana	940	0.02	99.86	0.00
68	(67)	South Africa	737	0.02	99.88	0.00
69	(69)	Gabon	565	0.01	99.90	0.00
70	(71)	Yemen	500	0.01	99.91	0.00
71	(70)	Ecuador	463	0.01	99.92	0.00
72	(74)	Cameroon	436	0.01	99.94	0.00
73	(72)	Serbia	377	0.01	99.95	0.00
74	(73)	Turkey	364	0.01	99.96	0.00
75	(79)	Korea, South	326	0.01	99.96	0.00
76	(75)	Taiwan	266	0.01	99.97	0.00
77	(76)	Belarus	205	0.01	99.98	0.00
78	(77)	Czech Republic	171	0.00	99.98	0.00
79	(78)	Afghanistan	156	0.00	99.99	0.00
80	(80)	Jordan	102	0.00	99.99	0.00
81	(82)	Albania	91	0.00	99.99	0.00
82	(81)	Slovakia	90	0.00	99.99	0.00
83	(83)	Bulgaria	65	0.00	99.99	0.00
84	(85)	France	51	0.00	100.00	0.00
85	(84)	Morocco	44	0.00	100.00	0.00
86	(86)	Kyrgyzstan	27	0.00	100.00	0.00
87	(88)	Barbados	20	0.00	100.00	0.00
88	(87)	Senegal	17	0.00	100.00	0.00
89	(90)	Spain	13	0.00	100.00	0.00
90	(92)	Slovenia	9	0.00	100.00	0.00
91	(91)	Georgia	9	0.00	100.00	0.00
92	(89)	Greece	8	0.00	100.00	0.00
93	(93)	Tajikistan	2	0.00	100.00	0.00
Total			3 777 215	100.00		HHI 910

Petroleum

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(3)	United States	571 034 890	13.26	13.26	175.78
2	(1)	Saudi Arabia	561 715 720	13.04	26.30	170.09
3	(2)	Russia	546 742 200	12.69	38.99	161.14
4	(5)	Iran	234 191 690	5.44	44.43	29.57
5	(4)	Iraq	221 497 210	5.14	49.57	26.45
6	(7)	Canada	210 514 300	4.89	54.46	23.89
7	(6)	China	191 506 100	4.45	58.91	19.77
8	(8)	United Arab Emirates	176 318 690	4.09	63.00	16.76
9	(10)	Brazil	136 052 700	3.16	66.16	9.98
10	(9)	Kuwait	134 671 200	3.13	69.29	9.78
11	(12)	Mexico	109 117 210	2.53	71.82	6.42
12	(11)	Venezuela	108 297 200	2.51	74.34	6.32
13	(14)	Nigeria	94 081 000	2.18	76.52	4.77
14	(13)	Norway	89 769 200	2.08	78.60	4.34
15	(17)	Kazakhstan	86 194 400	2.00	80.61	4.01
16	(15)	Angola	82 077 000	1.91	82.51	3.63
17	(16)	Qatar	79 061 000	1.84	84.35	3.37
18	(18)	Algeria	66 667 000	1.55	85.90	2.40
19	(19)	Oman	48 326 500	1.12	87.02	1.26
20	(20)	United Kingdom	46 915 800	1.09	88.11	1.19
21	(21)	Colombia	42 519 290	0.99	89.09	0.97
22	(29)	Libya	40 756 440	0.95	90.04	0.90

23	(22)	Indonesia	39 879 800	0.93	90.97	0.86
24	(23)	Azerbaijan	38 688 400	0.90	91.86	0.81
25	(24)	India	35 684 000	0.83	92.69	0.69
26	(26)	Malaysia	32 871 700	0.76	93.46	0.58
27	(25)	Egypt	32 178 000	0.75	94.20	0.56
28	(27)	Ecuador	26 452 000	0.61	94.82	0.38
29	(28)	Argentina	23 878 900	0.55	95.37	0.31
30	(31)	Australia	16 524 800	0.38	95.76	0.15
31	(30)	Vietnam	15 518 000	0.36	96.12	0.13
32	(33)	Congo, Rep.	14 442 000	0.34	96.45	0.11
33	(34)	Turkmenistan	12 447 590	0.29	96.74	0.08
34	(32)	Thailand	11 939 690	0.28	97.02	0.08
35	(36)	Gabon	11 060 000	0.26	97.27	0.07
36	(35)	Equatorial Guinea	10 557 600	0.25	97.52	0.06
37	(43)	Ghana	8 379 700	0.19	97.71	0.04
38	(37)	Denmark	6 735 436	0.16	97.87	0.02
39	(38)	Peru	6 688 300	0.16	98.03	0.02
40	(41)	Chad	6 374 400	0.15	98.17	0.02
41	(39)	Brunei	5 539 000	0.13	98.30	0.02
42	(40)	South Sudan	5 347 200	0.12	98.43	0.02
43	(45)	Pakistan	4 329 141	0.10	98.53	0.01
44	(42)	Sudan	4 310 200	0.10	98.63	0.01
45	(47)	Italy	4 140 000	0.10	98.72	0.01
46	(44)	Cameroon	3 781 000	0.09	98.81	0.01
47	(46)	Romania	3 635 000	0.08	98.89	0.01
48	(48)	Trinidad and Tobago	3 576 835	0.08	98.98	0.01
49	(50)	Bolivia	2 711 300	0.06	99.04	0.00
50	(49)	Papua New Guinea	2 656 600	0.06	99.10	0.00
51	(52)	Turkey	2 551 929	0.06	99.16	0.00
52	(53)	Uzbekistan	2 437 000	0.06	99.22	0.00
53	(51)	Cuba	2 400 000	0.06	99.27	0.00
54	(56)	Germany	2 218 406	0.05	99.33	0.00
55	(55)	Bahrain	2 202 200	0.05	99.38	0.00
56	(57)	Ukraine	2 169 900	0.05	99.43	0.00
57	(54)	Tunisia	2 063 960	0.05	99.48	0.00
58	(68)	Yemen	1 854 000	0.04	99.52	0.00
59	(58)	Cote d'Ivoire	1 696 900	0.04	99.56	0.00
60	(59)	Belarus	1 650 000	0.04	99.60	0.00
61	(60)	New Zealand	1 404 490	0.03	99.63	0.00
62	(61)	Netherlands	1 222 000	0.03	99.66	0.00
63	(63)	Syria	1 078 300	0.03	99.68	0.00
64	(62)	Mongolia	1 039 900	0.02	99.71	0.00
65	(64)	Congo, D.R.	1 027 850	0.02	99.73	0.00
66	(65)	Albania	958 940	0.02	99.75	0.00
67	(67)	Poland	939 240	0.02	99.77	0.00
68	(66)	Serbia	921 000	0.02	99.80	0.00
69	(70)	Niger	909 200	0.02	99.82	0.00
70	(72)	Suriname	811 600	0.02	99.84	0.00
71	(71)	France	758 000	0.02	99.85	0.00
72	(69)	Philippines	750 300	0.02	99.87	0.00
73	(74)	Croatia	744 500	0.02	99.89	0.00
74	(73)	Austria	741 890	0.02	99.90	0.00
75	(75)	Hungary	705 274	0.02	99.92	0.00
76	(77)	Bangladesh	592 650	0.01	99.93	0.00
77	(76)	Myanmar	553 300	0.01	99.95	0.00
78	(78)	Japan	505 400	0.01	99.96	0.00
79	(79)	Guatemala	480 000	0.01	99.97	0.00
80	(81)	Chile	177 760	0.00	99.97	0.00
81	(83)	Kyrgyzstan	169 200	0.00	99.98	0.00
82	(80)	Mauritania	165 600	0.00	99.98	0.00
83	(82)	Greece	139 551	0.00	99.99	0.00
84	(84)	Spain	118 809	0.00	99.99	0.00

85	(85)	Czech Republic	106 000	0.00	99.99	0.00
86	(86)	Israel	76 290	0.00	99.99	0.00
87	(88)	Lithuania	55 830	0.00	99.99	0.00
88	(87)	Mozambique	55 790	0.00	100.00	0.00
89	(90)	Georgia	32 000	0.00	100.00	0.00
90	(91)	Barbados	32 000	0.00	100.00	0.00
91	(89)	South Africa	31 145	0.00	100.00	0.00
92	(94)	Korea, South	29 610	0.00	100.00	0.00
93	(92)	Tajikistan	23 482	0.00	100.00	0.00
94	(93)	Bulgaria	21 930	0.00	100.00	0.00
95	(98)	Senegal	12 960	0.00	100.00	0.00
96	(95)	Slovakia	8 160	0.00	100.00	0.00
97	(96)	Taiwan	4 600	0.00	100.00	0.00
98	(97)	Morocco	4 350	0.00	100.00	0.00
99	(100)	Slovenia	481	0.00	100.00	0.00
100	(99)	Jordan	300	0.00	100.00	0.00
Total			4 307 007 309	100.00		HHI 688

Oil Sands (part of Petroleum)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Canada	132 970 300	84.17	84.17	7 085.30
2	(2)	Venezuela	25 000 000	15.83	100.00	250.45
Total			157 970 300	100.00		HHI 7 336

Oil Shales

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Estonia	21 625 000	95.86	95.86	9 189.85
2	(2)	Germany	481 803	2.14	98.00	4.56
3	(3)	Israel	449 100	1.99	99.99	3.96
4	(4)	France	2 000	0.01	100.00	0.00
5	(5)	Austria	170	0.00	100.00	0.00
Total			22 558 073	100.00		HHI 9 198

Uranium (U₃O₈)

Rank 2017	Rank 2016	Country	Production 2017 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Kazakhstan	27 583	39.96	39.96	1 596.83
2	(2)	Canada	13 378	19.38	59.34	375.63
3	(3)	Australia	6 302	9.13	68.47	83.35
4	(4)	Namibia	4 981	7.22	75.69	52.07

5	(5)	Niger	4 066	5.89	81.58	34.70
6	(6)	Uzbekistan	4 000	5.79	87.37	33.58
7	(7)	Russia	3 440	4.98	92.36	24.84
8	(8)	China	2 223	3.22	95.58	10.37
9	(9)	United States	1 108	1.61	97.18	2.58
10	(10)	Ukraine	986	1.43	98.61	2.04
11	(11)	India	496	0.72	99.33	0.52
12	(12)	South Africa	304	0.44	99.77	0.19
13	(13)	Czech R epublic	66	0.10	99.87	0.01
14	(16)	Paki stan	53	0.08	99.94	0.01
15	(15)	Germany	40	0.06	100.00	0.00
		Total	69 026	100.00		HHI 2 217

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

Afghanistan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	2 500	2 200	2 500	2 000	2 000	-20.00	0.00
Fluorspar	(t)	4 700	4 108	2 000	2 000	3 000	-36.17	50.00
Gypsum	(t)	65 000	57 000	57 000	57 000	40 000	-38.46	-29.82
Salt	(t)	40 992	87 014	88 183	56 928	75 579	84.38	32.76
Steam Coal	(t)	1 347 000	1 517 400	1 364 800	1 698 200	2 191 400	62.69	29.04
Nat. Gas (Mio m3)		155	142	146	165	156	0.65	-5.45
Total	(t)	1 584 192	1 781 322	1 631 283	1 948 128	2 436 779		

Albania

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	228 900	309 900	284 100	317 500	317 600	38.75	0.03
Nickel	(t)	2 020	5 350	7 460	4 400	2 400	18.81	-45.45
Copper	(t)	5 920	3 690	2 190	2 020	0	-100.00	-100.00
Gypsum	(t)	126 350	108 733	85 863	131 924	70 000	-44.60	-46.94
Salt	(t)	30 575	24 700	22 100	15 500	25 500	-16.60	64.52
Lignite	(t)	0	0	276 000	16 800	183 200	.	990.48
Nat. Gas (Mio m3)		18	31	34	88	91	405.56	3.41
Petroleum	(t)	1 206 600	1 368 200	1 279 220	1 055 730	958 940	-20.53	-9.17
Total	(t)	1 614 765	1 845 373	1 984 133	1 614 274	1 630 440		

Algeria

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	594 000	492 010	509 800	328 300	268 400	-54.81	-18.25
Zinc	(t)		0	50	330	350	.	6.06
Gold	(kg)	140	85	106	102	137	-2.14	34.31
Silver	(kg)	27	16	20	20	25	-7.41	25.00

Baryte	(t)	23 686	56 829	32 020	39 980	29 159	23.11	-27.07
Bentonite	(t)	27 670	31 510	34 400	37 100	35 600	28.66	-4.04
Diatomite	(t)	2 124	2 426	2 360	2 535	2 439	14.83	-3.79
Feldspar	(t)	290 000	230 372	154 500	168 000	170 000	-41.38	1.19
Gypsum	(t)	2 100 000	2 130 459	2 207 000	2 200 000	2 200 000	4.76	0.00
Kaolin	(t)	42 504	181 068	51 000	96 000	100 000	135.27	4.17
Phosphates	(t)	391 000	482 100	438 200	433 200	378 100	-3.30	-12.72
Salt	(t)	188 000	192 982	175 500	158 000	165 000	-12.23	4.43
Sulfur	(t)	8 400	5 800	5 000	6 000	6 000	-28.57	0.00
Nat. Gas (Mio m3)		82 430	83 296	84 583	94 953	96 599	17.19	1.73
Petroleum	(t)	64 784 000	68 582 000	67 064 000	68 417 000	66 667 000	2.91	-2.56
Total	(t)	134 395 384	139 024 356	138 340 230	147 848 845	147 301 248		

Angola

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Diam. (Gem)	(ct)	7 741 527	7 875 803	8 117 048	8 119 320	8 494 920	9.73	4.63
Diam. (Ind)	(ct)	860 170	875 089	901 894	902 147	943 880	9.73	4.63
Gypsum	(t)	189 240	328 130	127 910	0	32 000	-83.09	.
Salt	(t)	45 000	45 000	47 845	93 000	101 000	124.44	8.60
Nat. Gas (Mio m3)		910	720	770	1 710	3 100	240.66	81.29
Petroleum	(t)	86 455 000	84 104 000	89 457 000	85 152 000	82 077 000	-5.06	-3.61
Total	(t)	87 417 242	85 053 132	90 248 757	86 613 002	84 690 002		

Argentina

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	298 190	224 840	206 060	107 280	28 400	-90.48	-73.53
Molybdenum	(t)	1 915	954	869	479	651	-66.01	35.91
Aluminium	(t)	440 176	441 893	428 206	424 785	428 238	-2.71	0.81
Cadmium	(t)	111	115	107	91	96	-13.51	5.49
Copper	(t)	109 631	97 556	61 765	81 902	33 303	-69.62	-59.34
Lead	(t)	28 673	29 911	29 834	28 016	40 135	39.97	43.26
Lithium	(t)	5 600	7 390	10 650	12 200	12 360	120.71	1.31
Mercury	(t)	55	52	59	135	54	-1.82	-60.00
Zinc	(t)	39 424	28 038	30 498	22 792	23 392	-40.67	2.63
Gold	(kg)	52 486	60 170	63 231	56 967	73 187	39.44	28.47
Silver	(kg)	890 152	989 950	1 175 246	1 055 700	997 961	12.11	-5.47
Asbestos	(t)	101	0	130	0	26	-74.26	.
Baryte	(t)	26 792	16 265	12 917	12 389	15 553	-41.95	25.54
Bentonite	(t)	262 799	280 407	229 715	145 723	156 750	-40.35	7.57
Boron	(t)	424 811	395 058	248 683	148 390	129 918	-69.42	-12.45
Diatomite	(t)	209 312	190 039	60 951	57 113	70 419	-66.36	23.30
Feldspar	(t)	219 666	162 854	186 974	155 217	154 770	-29.54	-0.29
Fluorspar	(t)	38 601	39 433	65 282	14 222	13 696	-64.52	-3.70
Graphite	(t)	900	900	900	0	0	-100.00	.
Gypsum	(t)	1 585 942	1 560 960	1 314 655	1 558 390	1 275 608	-19.57	-18.15

Kaolin	(t)	77 245	45 892	62 214	26 198	19 940	-74.19	-23.89
Perlite	(t)	24 737	22 680	23 282	17 905	19 924	-19.46	11.28
Salt	(t)	1 669 465	1 537 605	1 400 777	1 812 285	1 930 000	15.61	6.50
Talc	(t)	31 905	47 442	33 774	16 266	15 330	-51.95	-5.75
Vermiculite	(t)	120	90	90	60	0	-100.00	-100.00
Steam Coal	(t)	183 243	173 848	48 764	40 597	37 713	-79.42	-7.10
Nat. Gas (Mio m3)		37 740	37 830	39 190	40 760	39 740	5.30	-2.50
Petroleum	(t)	26 881 400	26 492 600	26 508 000	25 487 500	23 878 900	-11.17	-6.31
Total	(t)	62 753 756	62 061 872	62 318 394	62 779 048	60 078 247		

Armenia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Molybdenum	(t)	5 723	5 796	5 131	5 771	5 038	-11.97	-12.70
Bismuth	(t)	4	2	2	1	1	-75.00	0.00
Cadmium	(t)	41	43	0	0	0	-100.00	.
Copper	(t)	44 797	46 849	51 765	95 080	95 793	113.84	0.75
Rhenium	(kg)	298	351	104	405	375	25.84	-7.41
Selenium	(t)	20	0	1	1	1	-95.00	0.00
Zinc	(t)	9 054	8 459	7 111	4 960	6 070	-32.96	22.38
Gold	(kg)	2 324	2 845	2 805	3 732	4 670	100.95	25.13
Silver	(kg)	18 179	18 374	18 350	14 100	17 200	-5.39	21.99
Bentonite	(t)	18 456	3 640	9 228	13 956	24 712	33.90	77.07
Diatomite	(t)	19 376	20 439	18 915	25 486	23 465	21.10	-7.93
Gypsum	(t)	28 700	22 317	19 400	14 831	14 336	-50.05	-3.34
Perlite	(t)	77 784	84 904	57 657	44 820	14 036	-81.96	-68.68
Salt	(t)	135 938	149 398	142 605	68 435	137 236	0.95	100.53
Sulfur	(t)	51 000	10 300	10 400	8 500	8 100	-84.12	-4.71
Total	(t)	390 913	352 168	322 236	281 859	328 810		

Australia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	377 760 029	457 409 154	500 993 637	531 075 350	548 297 062	45.14	3.24
Chromium	(t)	94 200	10 519	0	0	0	-100.00	.
Cobalt	(t)	6 855	6 252	5 930	5 183	5 034	-26.56	-2.87
Manganese	(t)	2 975 678	3 454 430	3 250 300	2 388 500	2 774 560	-6.76	16.16
Molybdenum	(t)		28	0	0	0	.	.
Nickel	(t)	292 619	266 181	225 227	203 135	178 853	-38.88	-11.95
Tantalum	(t)	0	0	20	10	100	.	900.00
Titanium	(t)	1 107 600	997 000	1 053 300	1 070 000	993 000	-10.35	-7.20
Tungsten	(t)	320	477	348	108	5	-98.44	-95.37
Vanadium	(t)	407	0	0	0	0	-100.00	.
Aluminium	(t)	1 777 409	1 704 991	1 645 963	1 633 904	1 487 555	-16.31	-8.96
Antimony	(t)	3 275	3 828	4 213	4 285	3 130	-4.43	-26.95
Bauxite	(t)	81 119 175	78 630 996	80 909 261	83 517 148	89 420 589	10.23	7.07
Copper	(t)	1 000 999	978 534	995 881	947 555	859 811	-14.10	-9.26

Lead	(t)	711 210	727 954	653 488	441 338	459 487	-35.39	4.11
Lithium	(t)	21 000	22 200	24 140	29 640	52 910	151.95	78.51
Rare Earths	(t)	1 268	7 191	10 916	13 872	17 264	1 261.51	24.45
Tin	(t)	6 472	6 898	7 158	6 635	7 402	14.37	11.56
Zinc	(t)	1 481 135	1 505 968	1 610 004	883 747	840 989	-43.22	-4.84
Gold	(kg)	258 418	269 138	275 160	290 800	294 075	13.80	1.13
Palladium	(kg)	630	613	425	610	610	-3.17	0.00
Platinum	(kg)	156	153	108	152	155	-0.64	1.97
Silver	(kg)	1 839 783	1 846 847	1 430 298	1 418 219	1 120 175	-39.11	-21.02
Baryte	(t)	13 176	14 676	6 017	7 139	8 958	-32.01	25.48
Bentonite	(t)	90 000	70 000	75 000	59 000	68 000	-24.44	15.25
Diam. (Gem)	(ct)	5 626 057	4 551 178	6 644 790	6 839 420	8 396 150	49.24	22.76
Diam. (Ind)	(ct)	5 855 692	4 736 940	6 916 005	7 118 580	8 738 850	49.24	22.76
Diatomite	(t)	9 238	1 679	4 923	1 033	1 085	-88.26	5.03
Feldspar	(t)	63 685	46 202	40 777	31 768	329	-99.48	-98.96
Gypsum	(t)	4 616 650	3 672 100	3 715 200	3 664 700	3 381 670	-26.75	-7.72
Kaolin	(t)	207 927	169 904	153 365	222 229	192 150	-7.59	-13.54
Magnesite	(t)	507 367	590 955	663 212	469 455	210 844	-58.44	-55.09
Perlite	(t)	1 300	0	0	620	275	-78.85	-55.65
Phosphates	(t)	474 790	448 500	236 375	238 494	216 670	-54.37	-9.15
Salt	(t)	13 503 221	13 573 324	11 903 561	10 915 520	12 218 780	-9.51	11.94
Sulfur	(t)	860 000	900 000	900 000	900 000	900 000	4.65	0.00
Talc	(t)	105 000	120 000	80 000	100 000	100 000	-4.76	0.00
Vermiculite	(t)	9 091	0	0	0	0	-100.00	.
Zircon	(t)	388 000	752 826	687 326	600 000	570 000	46.91	-5.00
Steam Coal	(t)	236 601 000	247 956 000	256 014 000	249 568 000	253 795 000	7.27	1.69
Coking Coal	(t)	159 494 200	180 295 000	191 056 000	189 302 000	190 000 000	19.13	0.37
Lignite	(t)	73 000 000	60 700 000	65 361 000	61 473 000	57 261 000	-21.56	-6.85
Nat. Gas (Mio m3)		62 479	67 335	76 791	97 328	113 805	82.15	16.93
Petroleum	(t)	19 574 100	20 990 900	18 484 300	17 188 300	16 524 800	-15.58	-3.86
Uranium	(t)	7 538	6 014	6 668	7 352	6 302	-16.40	-14.28
Total	(t)	1 027 871 235	1 129 910 800	1 202 212 017	1 234 833 132	1 271 899 033		

Austria

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	743 463	779 736	890 665	888 723	954 156	28.34	7.36
Tungsten	(t)	850	819	861	954	975	14.71	2.20
Feldspar	(t)	35 000	35 000	35 000	35 000	35 000	0.00	0.00
Graphite	(t)	200	150	150	150	150	-25.00	0.00
Gypsum	(t)	635 299	729 892	715 195	674 346	712 469	12.15	5.65
Kaolin	(t)	11 558	14 343	12 894	13 558	13 500	16.80	-0.43
Magnesite	(t)	714 422	754 096	702 504	645 593	730 482	2.25	13.15
Salt	(t)	1 115 410	1 154 309	974 475	1 034 003	1 156 326	3.67	11.83
Sulfur	(t)	9 789	8 280	8 502	5 474	7 691	-21.43	40.50
Talc	(t)	134 814	131 108	122 326	123 040	123 558	-8.35	0.42
Nat. Gas (Mio m3)		1 359	1 245	1 183	1 253	1 742	28.18	39.03
Oil Shales	(t)	173	203	68	169	170	-1.73	0.59
Petroleum	(t)	917 148	944 832	905 931	809 189	741 890	-19.11	-8.32
Total	(t)	5 405 326	5 548 768	5 314 971	5 232 599	5 869 967		

Azerbaijan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	59 388	38 390	53 590	10 710	0	-100.00	-100.00
Aluminium	(t)	53 900	50 400	53 300	36 800	28 500	-47.12	-22.55
Copper	(t)	327	784	969	1 947	2 063	530.89	5.96
Gold	(kg)	1 619	1 875	2 240	2 034	6 617	308.71	225.32
Silver	(kg)	2 049	970	890	5 136	6 949	239.14	35.30
Bentonite	(t)	97 700	81 900	56 800	54 545	235 617	141.16	331.97
Gypsum	(t)	249 800	222 700	196 500	155 800	85 076	-65.94	-45.39
Salt	(t)	32 021	35 156	39 461	63 931	66 968	109.14	4.75
Nat. Gas	(Mio m3)	17 895	18 827	19 236	18 718	18 186	1.63	-2.84
Petroleum	(t)	43 457 000	42 076 000	41 628 300	41 050 400	38 688 400	-10.97	-5.75
Total	(t)	58 266 140	57 566 933	57 417 723	56 348 540	53 655 438		

Bahamas

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	956 789	1 495 158	970 393	308 007	349 710	-63.45	13.54
Total	(t)	956 789	1 495 158	970 393	308 007	349 710		

Bahrain

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	912 700	931 427	960 643	971 420	981 016	7.49	0.99
Sulfur	(t)	131 100	133 650	126 780	123 630	131 070	-0.02	6.02
Nat. Gas	(Mio m3)	14 670	15 400	15 350	15 200	15 230	3.82	0.20
Petroleum	(t)	2 384 100	2 428 600	2 518 200	2 422 200	2 202 200	-7.63	-9.08
Total	(t)	15 163 900	15 813 677	15 885 623	15 677 250	15 498 286		

Bangladesh

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	1 753 000	1 627 000	1 282 000	1 620 000	1 660 000	-5.31	2.47
Steam Coal	(t)	854 804	947 125	675 775	1 021 638	1 160 658	35.78	13.61
Nat. Gas	(Mio m3)	22 670	23 223	25 264	27 558	27 513	21.36	-0.16
Petroleum	(t)	264 600	321 000	417 400	559 240	592 650	123.98	5.97
Total	(t)	21 008 404	21 473 525	22 586 375	25 247 278	25 423 708		

Barbados

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nat. Gas (Mio m3)		21	21	20	20	20	-4.76	0.00
Petroleum	(t)	34 710	31 960	34 030	34 000	32 000	-7.81	-5.88
Total	(t)	51 510	48 760	50 030	50 000	48 000		

Belarus

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Potash	(t)	4 242 700	6 340 000	6 467 900	6 180 100	7 101 800	67.39	14.91
Salt	(t)	2 600 000	1 800 000	2 050 000	2 480 000	2 500 000	-3.85	0.81
Nat. Gas (Mio m3)		228	222	225	215	205	-10.09	-4.65
Petroleum	(t)	1 645 000	1 645 000	1 645 000	1 645 000	1 650 000	0.30	0.30
Total	(t)	8 670 100	9 962 600	10 342 900	10 477 100	11 415 800		

Belgium

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Arsenic	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Indium	(t)	30	25	20	20	20	-33.33	0.00
Selenium	(t)	200	200	200	200	200	0.00	0.00
Total	(t)	1 230	1 225	1 220	1 220	1 220		

Benin

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	30	30	30	30	30	0.00	0.00
Salt	(t)	4 800	1 000	500	500	500	-89.58	0.00
Total	(t)	4 800	1 000	500	500	500		

Bhutan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	13 100	12 200	27 650	17 960	21 100	61.07	17.48
Gypsum	(t)	351 421	414 148	389 365	317 597	328 128	-6.63	3.32
Talc	(t)	9 584	12 601	5 807	2 261	1 293	-86.51	-42.81

Steam Coal	(t)	77 744	121 891	85 164	117 783	161 527	107.77	37.14
Total	(t)	451 849	560 840	507 986	455 601	512 048		

Bolivia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	1 550	10 690	14 180	1 710	22 230	1 334.19	1 200.00
Tantalum	(t)	14	7	1	0	3	-78.57	.
Tungsten	(t)	1 253	1 251	1 461	1 109	1 015	-18.99	-8.48
Antimony	(t)	5 053	4 186	3 843	2 669	2 881	-42.98	7.94
Arsenic	(t)	120	52	38	38	20	-83.33	-47.37
Bismuth	(t)	10	11	20	43	77	670.00	79.07
Copper	(t)	7 549	10 746	9 479	8 718	7 219	-4.37	-17.19
Lead	(t)	82 131	75 572	75 273	89 906	113 286	37.93	26.00
Lithium	(t)			0	10	120	.	1 100.00
Tin	(t)	19 287	19 791	20 135	17 460	18 386	-4.67	5.30
Zinc	(t)	407 332	448 970	442 154	486 955	527 206	29.43	8.27
Gold	(kg)	18 127	24 803	19 770	22 545	29 524	62.87	30.96
Silver	(kg)	1 287 200	1 346 941	1 306 977	1 356 620	1 222 371	-5.04	-9.90
Baryte	(t)	30 476	26 240	46 732	16 632	29 114	-4.47	75.05
Bentonite	(t)	182	886	1 023	525	68	-62.64	-87.05
Boron	(t)	157 338	151 799	148 738	182 685	208 388	32.45	14.07
Gypsum	(t)	1 223	1 464	650	1 182	473	-61.32	-59.98
Salt	(t)	2 262	2 419	2 216	4 534	3 358	48.45	-25.94
Nat. Gas	(Mio m3)	21 269	22 385	21 994	21 280	20 680	-2.77	-2.82
Petroleum	(t)	2 940 200	3 141 700	3 027 200	2 817 500	2 711 300	-7.79	-3.77
Total	(t)	20 672 485	21 805 156	21 389 670	20 657 056	20 190 396		

Bosnia-Herzegovina

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	1 492 840	1 499 950	1 082 630	893 420	827 170	-44.59	-7.42
Manganese	(t)	2 330	14 176	3 200	1 000	0	-100.00	-100.00
Aluminium	(t)	157 082	131 238	118 253	106 649	126 715	-19.33	18.81
Bauxite	(t)	657 115	620 308	787 409	738 609	740 384	12.67	0.24
Lead	(t)	5 850	6 190	6 660	6 600	6 740	15.21	2.12
Zinc	(t)	8 160	8 180	8 840	8 840	9 180	12.50	3.85

Bentonite	(t)	18 808	80 952	67 261	102 858	92 344	390.98	-10.22
Gypsum	(t)	68 550	88 977	58 800	61 231	99 001	44.42	61.68
Kaolin	(t)	96 563	98 325	252 268	271 502	252 959	161.96	-6.83
Magnesite	(t)	0	0	200	7 300	8 500	.	16.44
Salt	(t)	727 894	819 327	869 750	966 177	1 029 302	41.41	6.53
Lignite	(t)	10 343 680	11 750 901	12 172 292	13 481 012	14 033 504	35.67	4.10
Total	(t)	13 578 872	15 118 524	15 427 563	16 645 198	17 225 799		

Botswana

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Cobalt	(t)	248	196	316	281	0	-100.00	-100.00
Nickel	(t)	22 848	14 958	16 789	16 878	0	-100.00	-100.00
Copper	(t)	51 300	47 700	22 284	13 120	1 239	-97.58	-90.56
Gold	(kg)	1 206	958	756	833	913	-24.30	9.60
Palladium	(kg)	1 337	560	156	0	0	-100.00	.
Platinum	(kg)	218	124	31	0	0	-100.00	.
Silver	(kg)	22 597	22 328	2 800	0	0	-100.00	.
Diam. (Gem)	(ct)	15 885 100	17 260 600	14 576 800	14 623 700	16 058 700	1.09	9.81
Diam. (Ind)	(ct)	6 807 900	7 397 400	6 247 200	6 267 300	6 882 300	1.09	9.81
Salt	(t)	521 306	515 311	404 295	399 837	369 613	-29.10	-7.56
Steam Coal	(t)	1 495 653	1 711 555	2 065 778	1 870 939	2 215 782	48.15	18.43
Total	(t)	2 091 384	2 289 748	2 509 470	2 301 060	2 586 639		

Brazil

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	245 667 800	244 754 400	253 660 900	268 183 617	273 695 000	11.41	2.06
Chromium	(t)	189 521	244 622	179 100	200 000	200 000	5.53	0.00
Cobalt	(t)	3 239	3 865	2 771	853	28	-99.14	-96.72
Manganese	(t)	1 180 000	1 094 000	1 226 458	1 198 709	1 200 000	1.69	0.11
Nickel	(t)	77 400	85 600	89 302	78 626	87 600	13.18	11.41
Niobium	(t)	76 899	88 771	84 189	72 602	73 000	-5.07	0.55
Tantalum	(t)	185	118	120	103	100	-45.95	-2.91
Titanium	(t)	44 970	46 445	45 330	46 000	48 000	6.74	4.35
Tungsten	(t)	494	510	432	400	400	-19.03	0.00
Vanadium	(t)	0	1 032	5 810	7 966	9 297	.	16.71
Aluminium	(t)	1 304 300	962 000	772 200	792 700	801 700	-38.53	1.14
Bauxite	(t)	33 896 100	36 308 000	37 057 000	39 244 200	38 122 500	12.47	-2.86
Beryllium	(t)		17	100	125	75	.	-40.00
Cadmium	(t)	200	200	200	200	180	-10.00	-10.00
Copper	(t)	270 979	301 197	359 463	337 628	384 400	41.86	13.85
Indium	(t)	5	5	5	5	5	0.00	0.00

Lead	(t)	8 020	10 978	9 441	9 015	6 959	-13.23	-22.81
Lithium	(t)	416	452	308	533	560	34.62	5.07
Rare Earths	(t)	600	0	1 625	2 200	2 000	233.33	-9.09
Tin	(t)	16 830	25 534	18 824	15 183	13 900	-17.41	-8.45
Zinc	(t)	152 147	169 766	156 926	158 197	156 348	2.76	-1.17
Gold	(kg)	79 563	81 038	83 127	94 153	85 000	6.83	-9.72
Silver	(kg)	22 427	32 300	42 142	42 300	46 400	106.89	9.69
Asbestos	(t)	290 825	311 227	232 052	177 800	129 094	-55.61	-27.39
Baryte	(t)	34 943	3 389	3 000	12 133	9 981	-71.44	-17.74
Bentonite	(t)	403 351	405 169	517 607	500 000	500 000	23.96	0.00
Diam. (Gem)	(ct)	16 225	18 785	10 503	60 560	84 115	418.43	38.90
Diam. (Ind)	(ct)	32 941	38 138	21 323	122 955	170 780	418.44	38.90
Diatomite	(t)	1 947	5 080	5 530	5 000	5 000	156.81	0.00
Feldspar	(t)	294 357	417 771	456 308	460 000	460 000	56.27	0.00
Fluorspar	(t)	27 712	23 849	27 351	27 000	27 000	-2.57	0.00
Graphite	(t)	91 908	87 026	81 762	85 000	85 000	-7.52	0.00
Gypsum	(t)	3 385 386	3 452 969	3 131 294	2 650 000	2 150 000	-36.49	-18.87
Kaolin	(t)	2 139 000	2 055 000	1 809 000	2 239 508	1 880 000	-12.11	-16.05
Magnesite	(t)	1 388 866	1 423 210	1 621 425	1 600 000	1 600 000	15.20	0.00
Phosphates	(t)	2 504 000	2 521 000	2 167 000	2 012 500	1 705 000	-31.91	-15.28
Potash	(t)	310 892	311 021	304 018	300 000	306 296	-1.48	2.10
Salt	(t)	7 275 453	7 501 051	7 676 015	7 600 000	7 600 000	4.46	0.00
Sulfur	(t)	560 000	540 000	530 000	530 000	530 000	-5.36	0.00
Talc	(t)	592 844	535 229	483 611	500 000	500 000	-15.66	0.00
Vermiculite	(t)	60 379	56 444	54 250	53 330	50 050	-17.11	-6.15
Zircon	(t)	21 154	23 659	22 647	22 000	22 000	4.00	0.00
Steam Coal	(t)	4 955 596	4 518 466	3 644 350	3 525 735	3 325 439	-32.90	-5.68
Lignite	(t)	3 638 734	3 417 779	2 709 305	3 480 217	1 488 084	-59.10	-57.24
Nat. Gas (Mio m3)		22 988	24 536	24 862	25 337	28 663	24.69	13.13
Petroleum	(t)	105 253 200	116 813 400	125 806 800	130 144 400	136 052 700	29.26	4.54
Uranium	(t)	234	67	51	0	0	-100.00	.
Total	(t)	434 511 388	448 149 231	464 843 605	486 543 221	496 158 227		

Brunei

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nat. Gas (Mio m3)		12 207	11 852	11 259	10 860	12 007	-1.64	10.56
Petroleum	(t)	6 644 000	6 218 000	6 557 000	5 944 000	5 539 000	-16.63	-6.81
Total	(t)	16 409 600	15 699 600	15 564 200	14 632 000	15 144 600		

Bulgaria

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	28 650	25 830	13 470	12 050	574	-98.00	-95.24
Cadmium	(t)	411	382	344	362	333	-18.98	-8.01
Copper	(t)	115 450	115 540	112 600	111 870	110 290	-4.47	-1.41
Lead	(t)	16 940	17 020	18 370	22 040	22 860	34.95	3.72
Tellurium	(t)	5	5	4	4	5	0.00	25.00
Zinc	(t)	13 910	13 070	16 390	18 790	19 250	38.39	2.45

Gold	(kg)	7 390	6 810	7 930	7 920	8 670	17.32	9.47
Silver	(kg)	55 637	50 200	37 955	52 526	53 053	-4.64	1.00
Baryte	(t)	1 000	20 000	60 000	50 000	64 000	6 300.00	28.00
Bentonite	(t)	0	41 100	61 600	37 100	54 100	.	45.82
Fluorspar	(t)	82 500	130 800	131 900	4 400	0	-100.00	-100.00
Gypsum	(t)	119 100	87 800	108 600	60 900	88 000	-26.11	44.50
Kaolin	(t)	281 600	321 700	314 900	338 600	322 800	14.63	-4.67
Salt	(t)	2 000 000	3 300 000	3 100 000	3 300 000	3 400 000	70.00	3.03
Sulfur	(t)	442 300	428 100	438 500	395 500	501 000	13.27	26.68
Steam Coal	(t)	23 400	0	9 600	5 900	0	-100.00	-100.00
Lignite	(t)	28 631 300	31 435 100	35 938 100	31 434 200	34 587 500	20.80	10.03
Nat. Gas (Mio m3)		282	183	85	80	65	-76.95	-18.75
Petroleum	(t)	26 900	26 200	23 700	22 600	21 930	-18.48	-2.96
Total	(t)	32 009 129	36 109 104	40 416 124	35 878 377	39 244 704		

Burkina Faso

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Lead	(t)	1 017	1 880	1 000	0	0	-100.00	.
Zinc	(t)	32 215	67 680	68 670	80 950	91 530	184.12	13.07
Gold	(kg)	32 959	36 321	36 540	38 530	45 582	38.30	18.30
Phosphates	(t)	650	0	0	0	0	-100.00	.
Total	(t)	33 915	69 596	69 707	80 989	91 576		

Burundi

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Niobium	(t)	11	25	13	8	18	63.64	125.00
Tantalum	(t)	16	37	19	11	26	62.50	136.36
Tungsten	(t)	39	27	11	77	144	269.23	87.01
Rare Earths	(t)				0	31	.	.
Tin	(t)	56	81	55	51	123	119.64	141.18
Gold	(kg)	2 823	650	549	396	953	-66.24	140.66
Total	(t)	125	171	99	147	343		

Cambodia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	80 000	147 000	174 000	148 900	32 000	-60.00	-78.51
Total	(t)	80 000	147 000	174 000	148 900	32 000		

Cameroon

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	75 000	93 000	65 000	65 300	60 000	-20.00	-8.12
Gold	(kg)	480	517	795	542	689	43.54	27.12
Diam. (Ind)	(ct)	2 723	3 718	2 245	994	1 757	-35.48	76.76
Nat. Gas	(Mio m3)	150	310	370	360	436	190.67	21.11
Petroleum	(t)	3 311 200	3 751 100	4 770 500	4 595 300	3 781 000	14.19	-17.72
Total	(t)	3 506 200	4 092 101	5 131 501	4 948 600	4 189 801		

Canada

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	25 658 400	26 335 400	28 194 100	28 505 600	26 709 500	4.10	-6.30
Cobalt	(t)	7 168	6 574	6 904	7 148	6 503	-9.28	-9.02
Molybdenum	(t)	7 956	9 358	2 505	2 783	5 385	-32.32	93.50
Nickel	(t)	227 743	228 867	234 519	235 034	211 166	-7.28	-10.16
Niobium	(t)	4 916	5 774	5 385	6 099	6 981	42.01	14.46
Tantalum	(t)	40	0	0	0	0	-100.00	.
Titanium	(t)	832 000	771 000	595 000	700 000	750 000	-9.86	7.14
Tungsten	(t)	2 392	2 147	1 815	0	0	-100.00	.
Aluminium	(t)	2 969 348	2 858 237	2 880 037	3 208 888	3 212 124	8.18	0.10
Antimony	(t)	177	4	1	0	0	-100.00	.
Bismuth	(t)	35	4	2	3	2	-94.29	-33.33
Cadmium	(t)	1 313	1 187	1 159	2 305	1 802	37.24	-21.82
Copper	(t)	652 595	672 729	714 647	695 508	605 731	-7.18	-12.91
Indium	(t)	65	67	70	71	70	7.69	-1.41
Lead	(t)	20 678	3 617	3 809	12 653	14 100	-31.81	11.44
Selenium	(t)	138	142	156	175	49	-64.49	-72.00
Tellurium	(t)	12	8	10	18	17	41.67	-5.56
Zinc	(t)	426 545	352 125	289 584	321 272	344 294	-19.28	7.17
Gold	(kg)	133 636	152 460	162 504	163 923	175 611	31.41	7.13
Palladium	(kg)	16 350	22 000	22 600	21 200	17 800	8.87	-16.04
Platinum	(kg)	8 000	8 700	10 000	9 700	9 000	12.50	-7.22
Rhodium	(kg)	470	550	530	650	600	27.66	-7.69
Silver	(kg)	640 362	495 403	383 807	398 509	393 483	-38.55	-1.26
Baryte	(t)	22 000	22 000	30 000	10 000	10 000	-54.55	0.00
Diam. (Gem)	(ct)	10 599 660	12 011 619	11 677 471	13 315 319	23 200 226	118.88	74.24
Graphite	(t)	30 000	30 000	30 000	21 000	20 000	-33.33	-4.76
Gypsum	(t)	2 654 000	1 792 709	1 726 216	1 678 573	2 888 509	8.84	72.08
Magnesite	(t)	150 000	150 000	150 000	150 000	150 000	0.00	0.00
Potash	(t)	10 196 090	10 817 955	11 461 530	10 789 662	12 406 609	21.68	14.99
Salt	(t)	12 209 108	14 161 562	14 286 373	10 252 161	11 385 580	-6.75	11.06
Sulfur	(t)	6 301 000	5 842 000	5 745 000	5 381 000	5 464 000	-13.28	1.54
Talc	(t)	175 000	90 000	175 000	199 000	225 000	28.57	13.07

Steam Coal	(t)	25 876 000	27 966 000	24 785 000	26 353 000	25 257 000	-2.39	-4.16
Coking Coal	(t)	34 063 000	32 500 000	27 341 000	25 016 000	26 860 000	-21.15	7.37
Lignite	(t)	8 969 000	8 570 000	10 259 000	9 962 000	9 247 000	3.10	-7.18
Nat. Gas (Mio m3)		145 395	151 352	154 275	156 807	159 385	9.62	1.64
Oil Sands*	(t)	96 561 400	107 547 300	117 897 700	120 401 300	132 970 300	37.71	10.44
Petroleum	(t)	174 117 000	187 908 500	193 191 900	194 142 500	210 514 300	20.90	8.43
Uranium	(t)	11 003	11 533	15 659	16 666	13 378	21.59	-19.73
Total	(t)	421 901 522	442 191 780	445 546 964	443 115 316	463 817 702		

*Oil Sands as part of Petroleum

Cape Verde

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Total	(t)	1 000	1 000	1 000	1 000	1 000		

Central African Republic

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	11	7	15	33	118	972.73	257.58
Diam. (Gem)	(ct)	95 120	34 000	34 000	9 973	47 840	-49.71	379.70
Diam. (Ind)	(ct)	23 780	8 500	8 500	2 493	11 960	-49.71	379.74
Total	(t)	0	0	0	0	0		

Chad

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Petroleum	(t)	4 830 600	4 980 000	5 976 000	5 478 000	6 374 400	31.96	16.36
Total	(t)	4 830 600	4 980 000	5 976 000	5 478 000	6 374 400		

Chile

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	9 088 000	9 427 640	9 147 839	9 008 873	9 549 327	5.08	6.00
Molybdenum	(t)	38 715	48 770	52 579	55 647	62 746	62.07	12.76
Copper	(t)	5 776 000	5 761 100	5 772 100	5 552 600	5 503 500	-4.72	-0.88
Lead	(t)	1 829	2 678	2 979	1 110	1 562	-14.60	40.72
Lithium	(t)	24 130	24 820	22 500	31 240	32 520	34.77	4.10
Mercury	(t)	19	20	14	2	5	-73.68	150.00
Rhenium	(kg)	17 364	18 057	22 535	22 542	20 451	17.78	-9.28

Selenium	(t)	41	0	0	0	0	-100.00	.
Zinc	(t)	29 759	45 094	48 071	42 870	29 008	-2.52	-32.33
Gold	(kg)	51 309	46 031	42 501	46 333	37 911	-26.11	-18.18
Silver	(kg)	1 173 845	1 571 788	1 504 271	1 501 436	1 318 582	12.33	-12.18
Bentonite	(t)	3 313	1 083	1 434	1 288	1 584	-52.19	22.98
Boron	(t)	582 074	496 533	517 584	558 854	607 076	4.30	8.63
Diatomite	(t)	27 092	31 000	26 186	26 937	27 557	1.72	2.30
Feldspar	(t)	3 874	4 233	6 577	6 352	4 421	14.12	-30.40
Gypsum	(t)	1 015 158	843 490	860 075	934 033	1 157 466	14.02	23.92
Kaolin	(t)	60 000	60 000	60 000	60 000	60 000	0.00	0.00
Perlite	(t)	4 800	800	3 000	5 500	4 210	-12.29	-23.45
Phosphates	(t)	4 190	6 400	5 470	1 740	1 190	-71.60	-31.61
Potash	(t)	1 193 390	1 167 980	1 179 560	1 303 840	1 238 630	3.79	-5.00
Salt	(t)	6 576 960	10 553 440	11 831 116	8 139 914	7 440 741	13.13	-8.59
Sulfur	(t)	1 770 600	1 842 700	1 867 600	1 865 200	1 781 400	0.61	-4.49
Steam Coal	(t)	2 902 444	4 168 185	3 161 726	2 525 171	2 495 390	-14.02	-1.18
Nat. Gas (Mio m ³)		893	907	1 064	1 175	1 200	34.38	2.13
Petroleum	(t)	361 290	357 540	257 100	215 080	177 760	-50.80	-17.35
Total	(t)	30 179 320	35 570 742	35 676 280	31 277 821	31 137 470		

China

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	391 773 000	404 379 000	371 250 000	345 841 000	331 931 000	-15.27	-4.02
Chromium	(t)	50 400	14 400	17 600	12 200	12 000	-76.19	-1.64
Cobalt	(t)	8 580	9 619	10 093	9 293	9 000	4.90	-3.15
Manganese	(t)	3 730 000	3 310 000	2 484 000	2 150 000	2 508 000	-32.76	16.65
Molybdenum	(t)	124 470	131 500	135 150	112 590	117 090	-5.93	4.00
Nickel	(t)	95 000	100 000	92 900	89 890	94 890	-0.12	5.56
Niobium	(t)	15	20	30	30	30	100.00	0.00
Tantalum	(t)	60	75	110	120	110	83.33	-8.33
Titanium	(t)	1 020 000	1 118 700	1 067 200	1 196 000	1 242 000	21.76	3.85
Tungsten	(t)	71 400	67 700	72 200	70 600	71 800	0.56	1.70
Vanadium	(t)	44 800	44 800	42 000	45 000	48 500	8.26	7.78
Aluminium	(t)	26 534 000	28 316 700	31 518 000	31 775 400	33 329 580	25.61	4.89
Antimony	(t)	120 937	121 400	111 400	103 620	79 130	-34.57	-23.63
Arsenic	(t)	25 000	25 000	25 000	25 000	25 000	0.00	0.00
Bauxite	(t)	50 339 380	59 212 400	60 787 600	66 157 700	69 017 000	37.10	4.32
Beryllium	(t)	500	500	500	1 250	1 250	150.00	0.00
Bismuth	(t)	7 500	7 750	7 250	7 100	6 800	-9.33	-4.23
Cadmium	(t)	7 496	8 201	8 162	8 100	8 200	9.39	1.23
Copper	(t)	1 715 200	1 781 000	1 706 400	1 851 000	1 656 400	-3.43	-10.51
Gallium	(t)	128	262	254	171	290	126.56	69.59
Germanium	(t)	89	95	114	110	87	-2.25	-20.91
Indium	(t)	407	437	387	357	355	-12.78	-0.56
Lead	(t)	2 696 500	2 608 600	2 339 000	2 227 500	2 442 700	-9.41	9.66
Lithium	(t)	4 650	4 100	4 350	4 540	4 900	5.38	7.93
Mercury	(t)	1 613	2 260	2 800	3 433	1 949	20.83	-43.23

Rare Earths	(t)	93 800	95 000	105 000	105 000	105 000	11.94	0.00
Rhenium	(kg)	2 300	2 300	2 400	2 400	2 500	8.70	4.17
Selenium	(t)	1 000	720	729	772	720	-28.00	-6.74
Tellurium	(t)	150	180	277	279	470	213.33	68.46
Tin	(t)	101 200	102 100	110 200	91 610	74 800	-26.09	-18.35
Zinc	(t)	5 187 700	5 118 400	4 748 000	4 635 000	4 300 000	-17.11	-7.23
Gold	(kg)	428 160	451 799	450 053	453 500	426 142	-0.47	-6.03
Silver	(kg)	3 670 213	3 499 144	3 421 385	3 570 682	3 502 254	-4.58	-1.92
Asbestos	(t)	420 000	400 000	250 000	203 000	125 000	-70.24	-38.42
Baryte	(t)	4 000 000	4 100 000	2 984 000	2 771 100	3 100 000	-22.50	11.87
Bentonite	(t)	3 610 000	3 600 000	3 650 000	5 600 000	5 600 000	55.12	0.00
Boron	(t)	165 000	165 000	160 000	160 000	150 000	-9.09	-6.25
Diam. (Gem)	(ct)	1 050	0	0	127	230	-78.10	81.10
Diatomite	(t)	430 000	430 000	420 000	400 000	400 000	-6.98	0.00
Feldspar	(t)	2 220 000	2 300 000	2 350 000	2 400 000	2 500 000	12.61	4.17
Fluorspar	(t)	4 400 000	3 800 000	4 400 000	3 800 000	4 000 000	-9.09	5.26
Graphite	(t)	750 000	780 000	780 000	780 000	670 000	-10.67	-14.10
Gypsum	(t)	28 000 000	19 970 000	20 000 000	25 400 000	25 000 000	-10.71	-1.57
Kaolin	(t)	6 550 000	6 850 000	7 030 000	7 240 000	7 430 000	13.44	2.62
Magnesite	(t)	17 000 000	18 430 000	17 440 000	16 840 000	16 500 000	-2.94	-2.02
Phosphates	(t)	32 553 000	36 131 400	42 611 700	43 319 400	43 332 000	33.11	0.03
Potash	(t)	4 300 000	4 400 000	5 714 000	5 783 000	5 997 000	39.47	3.70
Salt	(t)	73 676 000	70 497 100	66 655 400	66 201 000	66 541 700	-9.68	0.51
Sulfur	(t)	10 500 000	12 000 000	10 000 000	9 150 000	8 940 000	-14.86	-2.30
Talc	(t)	2 200 000	2 200 000	2 200 000	2 000 000	1 800 000	-18.18	-10.00
Vermiculite	(t)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Zircon	(t)	150 000	140 000	140 000	100 000	116 000	-22.67	16.00
Steam Coal	(t)	2 984 054 000	2 847 246 000	2 812 582 000	2 510 708 000	2 619 052 000	-12.23	4.32
Coking Coal	(t)	600 694 000	619 764 000	593 047 000	547 017 000	539 578 000	-10.17	-1.36
Nat. Gas (Mio m3)		120 858	130 157	134 610	136 865	148 035	22.49	8.16
Petroleum	(t)	209 919 000	211 429 000	214 555 800	199 685 200	191 506 100	-8.77	-4.10
Uranium	(t)	1 769	1 769	1 906	1 906	2 223	25.66	16.63
Total	(t)	4 566 088 244	4 475 394 741	4 391 360 385	4 015 630 298	4 107 911 005		

Christmas Island

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Phosphates	(t)	132 250	154 330	177 100	148 120	147 890	11.83	-0.16
Total	(t)	132 250	154 330	177 100	148 120	147 890		

Colombia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	319 520	304 280	405 780	322 060	320 630	0.35	-0.44
Nickel	(t)	49 320	41 222	36 671	37 092	40 606	-17.67	9.47
Tungsten	(t)	0	7	3	2	0	.	-100.00
Bauxite	(t)	1 108	601	861	693	2 400	116.61	246.32
Copper	(t)	640	4 118	5 463	8 493	9 356	1 361.88	10.16

Gold	(kg)	55 969	57 896	59 576	62 507	42 702	-23.70	-31.68
Platinum	(kg)	1 520	1 142	861	917	567	-62.70	-38.17
Silver	(kg)	14 046	11 692	10 355	11 378	11 968	-14.79	5.19
Baryte	(t)	5 483	4 688	4 003	3 068	1 721	-68.61	-43.90
Feldspar	(t)	119 373	124 682	129 400	136 259	116 348	-2.53	-14.61
Fluorspar	(t)	3	10	47	75	57	1 800.00	-24.00
Gypsum	(t)	294 587	368 939	448 543	471 306	405 802	37.75	-13.90
Magnesite	(t)	1 774	3 500	2 883	1 175	1 883	6.14	60.26
Phosphates	(t)	16 440	10 420	23 870	20 960	13 580	-17.40	-35.21
Salt	(t)	432 410	445 840	417 438	564 194	501 499	15.98	-11.11
Sulfur	(t)	52 470	48 513	76 239	76 331	77 000	46.75	0.88
Talc	(t)	90	562	55	103	59	-34.44	-42.72
Steam Coal	(t)	80 600 000	83 468 235	80 716 510	86 622 000	84 795 450	5.21	-2.11
Coking Coal	(t)	4 893 000	5 104 123	4 823 870	4 438 000	6 078 000	24.22	36.95
Nat. Gas (Mio m3)		12 970	12 830	11 860	9 900	8 900	-31.38	-10.10
Petroleum	(t)	49 895 120	49 308 600	50 058 800	44 226 200	42 519 290	-14.78	-3.86
Total	(t)	147 057 410	149 502 411	146 638 507	144 848 086	142 003 737		

Congo, D.R.

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Cobalt	(t)	76 593	76 475	84 400	69 038	82 461	7.66	19.44
Niobium	(t)	230	376	694	797	717	211.74	-10.04
Tantalum	(t)	244	399	736	845	761	211.89	-9.94
Tungsten	(t)	59	13	55	79	130	120.34	64.56
Copper	(t)	914 631	1 030 129	1 039 007	1 023 687	1 094 638	19.68	6.93
Lead	(t)	621	764	653	101	0	-100.00	-100.00
Tin	(t)	4 162	4 012	4 567	6 503	10 391	149.66	59.79
Zinc	(t)	12 114	12 737	12 675	12 587	12 337	1.84	-1.99
Gold	(kg)	6 149	23 937	31 878	30 664	31 586	413.68	3.01
Silver	(kg)	60 431	6 485	2 412	835	3 376	-94.41	304.31
Diam. (Gem)	(ct)	3 559 800	3 331 600	3 150 700	3 111 890	2 268 332	-36.28	-27.11
Diam. (Ind)	(ct)	14 239 200	13 326 400	12 602 790	12 447 557	16 634 432	16.82	33.64
Petroleum	(t)	1 139 120	1 140 580	1 124 940	1 068 970	1 027 850	-9.77	-3.85
Total	(t)	2 147 844	2 265 519	2 267 765	2 182 642	2 229 323		

Congo, Rep.

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Zinc	(t)			0	2 000	8 000	.	300.00
Gold	(kg)	150	150	150	100	100	-33.33	0.00
Diam. (Ind)	(ct)	56 495	53 163	40 057	12 110	46 758	-17.24	286.11

Nat. Gas (Mio m3)		1 660	1 500	1 500	1 400	1 390	-16.27	-0.71
Petroleum (t)		12 057 800	12 483 600	12 139 600	12 838 700	14 442 000	19.77	12.49
Total (t)		13 385 800	13 683 600	13 339 600	13 960 700	15 562 000		

Costa Rica

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold (kg)		2 000	1 050	950	750	4 255	112.75	467.33
Diatomite (t)		19 037	10 851	20 537	20 500	4 218	-77.84	-79.42
Total (t)		19 039	10 852	20 538	20 500	4 222		

Cote d'Ivoire

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese (t)		110 480	162 900	118 430	102 320	232 030	110.02	126.77
Nickel (t)					0	7 000	.	.
Gold (kg)		15 516	18 600	23 460	25 055	25 396	63.68	1.36
Silver (kg)		647	600	576	549	493	-23.80	-10.20
Diam. (Gem) (ct)		0	859	11 940	16 188	8 925	.	-44.87
Diam. (Ind) (ct)		0	215	2 985	4 047	2 231	.	-44.87
Nat. Gas (Mio m3)		2 104	2 109	2 177	2 395	2 233	6.13	-6.76
Petroleum (t)		1 246 700	941 400	1 464 300	2 104 100	1 696 900	36.11	-19.35
Total (t)		3 040 397	2 791 520	3 324 354	4 122 446	3 722 355		

Croatia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite (t)		8 220	9 146	11 897	9 780	12 215	48.60	24.90
Gypsum (t)		143 180	164 464	126 470	150 430	147 934	3.32	-1.66
Salt (t)		15 700	0	20 670	15 629	19 006	21.06	21.61
Nat. Gas (Mio m3)		1 963	1 824	1 781	1 647	1 484	-24.40	-9.90
Petroleum (t)		573 100	575 960	657 550	737 100	744 500	29.91	1.00
Total (t)		2 310 600	2 208 770	2 241 387	2 230 539	2 110 855		

Cuba

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	9 000	6 600	13 500	12 000	14 400	60.00	20.00
Cobalt	(t)	4 000	4 000	4 793	5 514	5 407	35.18	-1.94
Nickel	(t)	53 000	50 100	50 000	48 000	48 500	-8.49	1.04
Lead	(t)				0	1 500	.	.
Zinc	(t)				0	2 900	.	.
Bentonite	(t)	335	700	500	389	589	75.82	51.41
Feldspar	(t)	3 200	3 600	3 300	5 790	8 715	172.34	50.52
Gypsum	(t)	87 100	97 800	90 900	73 900	85 400	-1.95	15.56
Kaolin	(t)	3 600	1 700	1 500	2 500	1 500	-58.33	-40.00
Salt	(t)	222 400	243 300	284 900	248 000	246 300	10.75	-0.69
Nat. Gas (Mio m3)		1 066	1 200	1 245	1 185	1 051	-1.41	-11.31
Petroleum	(t)	2 897 100	2 905 300	2 822 000	2 619 000	2 400 000	-17.16	-8.36
Total	(t)	4 132 535	4 273 100	4 267 393	3 963 093	3 656 011		

Cyprus

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Copper	(t)	3 361	3 088	2 121	1 754	1 293	-61.53	-26.28
Bentonite	(t)	158 386	140 174	127 036	117 184	95 593	-39.65	-18.42
Gypsum	(t)	315 000	347 600	471 885	682 024	647 108	105.43	-5.12
Total	(t)	476 747	490 862	601 042	800 962	743 994		

Czech Republic

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bentonite	(t)	226 000	301 000	369 000	374 000	254 000	12.39	-32.09
Diatomite	(t)	49 000	34 000	15 000	26 000	34 000	-30.61	30.77
Feldspar	(t)	411 000	422 000	433 000	454 000	368 000	-10.46	-18.94
Gypsum	(t)	11 000	11 000	11 000	10 000	7 000	-36.36	-30.00
Kaolin	(t)	3 108 000	3 281 000	3 454 000	3 540 000	3 669 000	18.05	3.64
Steam Coal	(t)	4 042 400	3 930 280	3 884 180	3 095 300	2 337 100	-42.19	-24.50
Coking Coal	(t)	4 567 610	4 410 720	3 755 820	2 978 700	2 532 900	-44.55	-14.97
Lignite	(t)	40 585 000	38 348 000	38 251 000	38 646 000	39 310 000	-3.14	1.72
Nat. Gas (Mio m3)		207	198	200	169	171	-17.39	1.18
Petroleum	(t)	152 000	148 000	126 000	116 000	106 000	-30.26	-8.62
Uranium	(t)	274	195	158	151	66	-75.91	-56.29
Total	(t)	53 317 884	51 044 595	50 459 158	49 375 351	48 754 866		

Denmark

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bentonite	(t)	56 355	66 388	54 272	66 278	69 594	23.49	5.00
Diatomite	(t)	128 100	118 800	127 500	114 400	110 000	-14.13	-3.85
Salt	(t)	600 000	600 000	600 000	600 000	600 000	0.00	0.00
Sulfur	(t)	3 599	4 435	93 024	6 144	4 004	11.25	-34.83
Nat. Gas	(Mio m3)	4 815	4 620	4 603	4 535	4 820	0.10	6.28
Petroleum	(t)	8 697 319	8 131 039	7 689 812	6 924 374	6 735 436	-22.56	-2.73
Total	(t)	13 337 373	12 616 662	12 247 008	11 339 196	11 375 034		

Dominican Republic

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nickel	(t)	9 355	0	0	9 913	15 632	67.10	57.69
Bauxite	(t)	929 576	1 749 308	1 724 162	7 318	0	-100.00	-100.00
Copper	(t)	10 379	9 262	7 324	9 725	9 618	-7.33	-1.10
Zinc	(t)		0	4 655	3 636	3 920	.	7.81
Gold	(kg)	26 485	36 085	31 134	37 933	35 221	32.98	-7.15
Silver	(kg)	82 164	135 025	95 706	121 749	147 047	78.97	20.78
Feldspar	(t)	20 800	20 800	7 800	5 200	5 000	-75.96	-3.85
Gypsum	(t)	233 340	423 350	470 780	284 170	158 020	-32.28	-44.39
Salt	(t)	7 690	23 670	25 890	26 000	0	-100.00	-100.00
Total	(t)	1 211 248	2 226 561	2 240 738	346 122	192 372		

Ecuador

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Antimony	(t)	0	15	40	15	260	.	1 633.33
Copper	(t)	2 600	3 200	1 400	40 200	8 200	215.38	-79.60
Gold	(kg)	8 676	7 322	7 723	6 761	6 176	-28.82	-8.65
Silver	(kg)	1 198	577	2 521	934	68	-94.32	-92.72
Feldspar	(t)	210 142	183 259	253 253	148 506	92 871	-55.81	-37.46
Kaolin	(t)	100 195	40 236	64 486	4 110	548	-99.45	-86.67
Nat. Gas	(Mio m3)	515	578	497	528	463	-10.10	-12.31
Petroleum	(t)	26 205 000	27 699 000	27 038 000	27 377 000	26 452 000	0.94	-3.38
Total	(t)	26 929 947	28 388 118	27 754 790	27 992 239	26 924 285		

Egypt

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	192 000	639 900	763 700	186 300	200 000	4.17	7.35
Manganese	(t)	12 500	12 000	12 000	5 000	0	-100.00	-100.00
Aluminium	(t)	325 300	304 200	338 000	314 600	279 100	-14.20	-11.28
Tin	(t)	111	48	0	0	0	-100.00	.
Gold	(kg)	11 502	11 734	13 657	17 139	16 941	47.29	-1.16
Baryte	(t)	3 821	4 000	7 540	7 000	7 000	83.20	0.00
Bentonite	(t)	4 600	3 615	3 600	3 600	3 600	-21.74	0.00
Feldspar	(t)	232 660	400 000	420 508	400 000	400 000	71.92	0.00
Fluorspar	(t)	850	900	1 105	0	0	-100.00	.
Gypsum	(t)	457 602	940 615	872 141	744 160	742 000	62.15	-0.29
Kaolin	(t)	300 000	300 000	232 351	230 000	230 000	-23.33	0.00
Phosphates	(t)	1 788 700	1 305 300	1 401 000	993 800	1 000 000	-44.09	0.62
Salt	(t)	2 802 000	2 194 000	1 543 000	1 669 000	1 700 000	-39.33	1.86
Sulfur	(t)	80 000	60 000	60 000	60 000	80 000	0.00	33.33
Talc	(t)	63 358	20 000	24 360	30 000	30 000	-52.65	0.00
Vermiculite	(t)	2 750	2 700	3 000	3 000	3 000	9.09	0.00
Nat. Gas	(Mio m3)	53 960	46 960	42 590	40 250	49 020	-9.15	21.79
Petroleum	(t)	34 361 000	35 140 200	35 431 000	33 835 000	32 178 000	-6.35	-4.90
Total	(t)	83 795 264	78 895 490	75 185 319	70 681 477	76 068 717		

El Salvador

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Total	(t)	100 000	100 000	100 000	100 000	100 000		

Equatorial Guinea

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nat. Gas	(Mio m3)	6 550	6 160	6 200	8 740	9 600	46.56	9.84
Petroleum	(t)	13 297 000	13 994 000	13 744 800	11 503 800	10 557 600	-20.60	-8.23
Total	(t)	18 537 000	18 922 000	18 704 800	18 495 800	18 237 600		

Eritrea

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Copper	(t)	21 779	88 900	61 600	25 300	7 900	-63.73	-68.77
Zinc	(t)			0	40 900	95 400	.	133.25

Gold	(kg)	2 862	840	753	333	1 000	-65.06	200.30
Silver	(kg)	15 799	47 402	38 910	13 219	1 192	-92.46	-90.98
Gypsum	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Kaolin	(t)	200	200	200	200	200	0.00	0.00
Salt	(t)	28 000	28 000	28 000	28 000	28 000	0.00	0.00
Total	(t)	50 998	118 148	90 840	95 413	132 502		

Estonia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Oil Shales	(t)	20 511 000	20 995 000	19 616 000	15 764 000	21 625 000	5.43	37.18
Total	(t)	20 511 000	20 995 000	19 616 000	15 764 000	21 625 000		

Ethiopia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Niobium	(t)	14	25	20	28	25	78.57	-10.71
Tantalum	(t)	29	90	75	101	90	210.34	-10.89
Gold	(kg)	13 050	10 340	9 370	6 800	4 600	-64.75	-32.35
Silver	(kg)	1 449	1 000	990	880	750	-48.24	-14.77
Diatomite	(t)	4 000	4 000	4 000	4 000	4 000	0.00	0.00
Gypsum	(t)	42 452	43 000	45 000	45 000	45 000	6.00	0.00
Kaolin	(t)	3 534	4 530	4 600	4 600	4 600	30.16	0.00
Salt	(t)	318 402	320 000	320 000	320 000	320 000	0.50	0.00
Total	(t)	368 445	371 656	373 705	373 737	373 721		

Fiji

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite	(t)	461 000	496 616	172 336	58 050	118 540	-74.29	104.20
Gold	(kg)	1 218	1 196	1 290	1 500	1 425	17.00	-5.00
Silver	(kg)	462	361	354	354	350	-24.24	-1.13
Total	(t)	461 001	496 617	172 337	58 051	118 541		

Finland

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	434 000	441 300	457 100	469 140	416 285	-4.08	-11.27
Cobalt	(t)	2 061	2 104	2 119	2 260	2 300	11.60	1.77
Nickel	(t)	18 560	19 281	9 383	20 654	34 641	86.64	67.72
Copper	(t)	38 763	42 810	41 805	47 488	53 144	37.10	11.91
Germanium	(t)	17	17	13	0	0	-100.00	.
Selenium	(t)	72	94	93	104	100	38.89	-3.85
Zinc	(t)	41 124	46 063	25 332	45 852	66 284	61.18	44.56
Gold	(kg)	8 660	8 085	8 342	8 865	9 102	5.10	2.67
Palladium	(kg)	766	808	784	901	1 021	33.29	13.32
Platinum	(kg)	946	1 060	992	1 178	1 418	49.89	20.37
Silver	(kg)	14 226	12 830	13 051	16 348	13 654	-4.02	-16.48
Feldspar	(t)	47 636	46 233	38 026	18 549	14 926	-68.67	-19.53
Magnesite	(t)	0	12 276	22 390	54 227	63 850	.	17.75
Phosphates	(t)	315 800	340 640	344 360	338 230	352 300	11.56	4.16
Sulfur	(t)	828 000	845 000	847 000	852 700	937 000	13.16	9.89
Talc	(t)	361 840	380 821	332 174	345 739	354 819	-1.94	2.63
Total	(t)	2 087 898	2 176 662	2 119 818	2 194 970	2 295 674		

France

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	343 000	381 000	415 000	424 640	426 730	24.41	0.49
Bauxite	(t)	100 000	71 100	70 000	70 000	70 000	-30.00	0.00
Indium	(t)	33	43	41	0	30	-9.09	.
Bentonite	(t)	23 111	11 607	36 403	42 567	24 497	6.00	-42.45
Diatomite	(t)	85 000	90 000	90 000	90 000	90 000	5.88	0.00
Feldspar	(t)	550 000	550 000	550 000	550 000	550 000	0.00	0.00
Gypsum	(t)	3 455 000	3 279 000	2 027 360	4 182 614	3 013 543	-12.78	-27.95
Kaolin	(t)	300 000	310 000	275 150	263 993	279 120	-6.96	5.73
Salt	(t)	7 312 200	6 932 600	6 754 200	4 266 248	4 751 174	-35.02	11.37
Sulfur	(t)	400 000	400 000	380 000	380 000	500 000	25.00	31.58
Talc	(t)	400 000	450 000	450 000	450 000	470 000	17.50	4.44
Steam Coal	(t)	313 000	300 000	0	0	0	-100.00	.
Nat. Gas (Mio m3)		340	20	30	40	51	-85.00	27.50
Oil Shales	(t)	2 000	2 000	2 000	2 000	2 000	0.00	0.00
Petroleum	(t)	793 000	766 000	835 000	816 000	758 000	-4.41	-7.11
Uranium	(t)	0	4	2	0	0	.	.
Total	(t)	14 348 344	13 559 354	11 909 156	11 570 062	10 975 894		

French Guiana

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	1 220	1 689	1 460	1 160	1 300	6.56	12.07
Total	(t)	1	2	1	1	1		

Gabon

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	1 955 300	1 872 100	1 973 000	1 658 500	2 369 900	21.20	42.89
Gold	(kg)	1 192	1 078	1 472	1 020	620	-47.99	-39.22
Nat. Gas	(Mio m3)	300	330	466	530	565	88.33	6.60
Petroleum	(t)	11 010 000	10 980 000	11 920 000	11 480 000	11 060 000	0.45	-3.66
Total	(t)	13 205 301	13 116 101	14 265 801	13 562 501	13 881 901		

Georgia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	88 000	83 600	66 000	48 400	90 000	2.27	85.95
Copper	(t)	7 800	13 100	11 700	12 200	14 700	88.46	20.49
Gold	(kg)	4 300	2 300	3 073	3 621	3 032	-29.49	-16.27
Steam Coal	(t)	397 000	299 300	305 900	296 500	268 100	-32.47	-9.58
Nat. Gas	(Mio m3)	9	10	11	7	9	0.00	28.57
Petroleum	(t)	51 017	42 600	40 200	38 600	32 000	-37.28	-17.10
Total	(t)	551 021	446 602	432 603	401 304	412 003		

Germany

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	59 900	66 900	71 900	74 500	75 100	25.38	0.81
Aluminium	(t)	492 368	530 700	541 400	546 800	550 000	11.71	0.59
Cadmium	(t)	430	570	370	652	730	69.77	11.96
Gallium	(t)	38	16	11	4	0	-100.00	-100.00
Indium	(t)	10	10	10	10	10	0.00	0.00
Selenium	(t)	700	700	660	700	710	1.43	1.43
Baryte	(t)	45 446	87 575	68 297	49 373	34 177	-24.80	-30.78
Bentonite	(t)	358 844	394 657	392 831	393 000	416 000	15.93	5.85
Feldspar	(t)	5 399 644	5 846 646	4 649 326	5 319 218	5 300 000	-1.85	-0.36
Fluorspar	(t)	48 744	58 100	57 741	52 552	45 375	-6.91	-13.66

Graphite	(t)	269	517	398	502	422	56.88	-15.94
Gypsum	(t)	2 417 125	2 699 775	2 574 312	3 970 000	4 450 000	84.10	12.09
Kaolin	(t)	4 348 562	4 275 422	3 733 714	4 740 000	5 168 000	18.84	9.03
Potash	(t)	3 075 201	3 126 913	3 056 528	2 694 126	2 906 481	-5.49	7.88
Salt	(t)	17 389 096	13 330 692	13 957 574	14 476 868	15 567 990	-10.47	7.54
Sulfur	(t)	754 540	708 146	627 797	577 684	537 882	-28.71	-6.89
Steam Coal	(t)	3 209 700	3 224 800	2 626 600	1 807 100	1 409 800	-56.08	-21.99
Coking Coal	(t)	4 356 700	4 415 100	3 596 100	2 041 900	2 258 700	-48.16	10.62
Lignite	(t)	182 995 000	178 155 000	178 065 000	171 552 350	171 285 700	-6.40	-0.16
Nat. Gas (Mio m3)		10 751	10 127	9 388	8 673	7 932	-26.22	-8.54
Oil Shales	(t)	441 580	506 693	468 470	492 777	481 803	9.11	-2.23
Petroleum	(t)	2 638 379	2 429 789	2 412 643	2 355 028	2 218 406	-15.92	-5.80
Uranium	(t)	32	39	0	53	40	25.00	-24.53
Total	(t)	236 633 108	227 960 360	224 412 082	218 083 597	219 052 926		

Ghana

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	701 110	473 720	451 020	706 390	1 051 250	49.94	48.82
Aluminium	(t)	36 600	38 100	33 800	33 010	40 500	10.66	22.69
Bauxite	(t)	826 994	798 114	1 014 605	1 143 676	1 477 000	78.60	29.14
Gold	(kg)	99 303	106 782	96 926	128 502	143 419	44.43	11.61
Silver	(kg)	4 000	4 000	4 000	3 100	4 000	0.00	29.03
Diam. (Gem)	(ct)	127 259	192 896	139 350	114 400	69 540	-45.36	-39.21
Diam. (Ind)	(ct)	31 815	48 224	34 838	28 605	17 385	-45.36	-39.22
Salt	(t)	250 000	250 000	250 000	250 000	250 000	0.00	0.00
Nat. Gas (Mio m3)		0	60	733	660	940	.	42.42
Petroleum	(t)	5 266 500	5 328 400	5 351 200	4 614 000	8 379 700	59.11	81.61
Total	(t)	7 081 307	6 936 445	7 687 126	7 275 208	11 950 597		

Greece

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nickel	(t)	19 990	21 440	21 060	22 030	21 090	5.50	-4.27
Aluminium	(t)	169 457	173 164	179 420	181 680	181 700	7.22	0.01
Bauxite	(t)	1 844 000	1 872 710	1 831 660	1 847 700	1 927 150	4.51	4.30
Lead	(t)	14 211	13 016	10 074	11 283	8 746	-38.46	-22.49
Zinc	(t)	22 512	22 953	13 174	18 866	14 211	-36.87	-24.67
Gold	(kg)	2 492	2 328	1 600	940	823	-66.97	-12.45
Silver	(kg)	39 028	35 785	28 050	29 342	23 283	-40.34	-20.65
Bentonite	(t)	1 000 000	1 011 485	1 123 320	883 220	1 087 800	8.78	23.16
Gypsum	(t)	760 000	664 288	649 280	777 990	547 140	-28.01	-29.67
Magnesite	(t)	383 000	360 268	383 230	397 940	442 680	15.58	11.24

Perlite	(t)	890 000	985 328	890 670	921 410	932 950	4.83	1.25
Salt	(t)	189 500	146 402	121 537	158 020	163 802	-13.56	3.66
Sulfur	(t)	230 000	220 000	155 000	185 000	210 000	-8.70	13.51
Lignite	(t)	55 500 000	50 800 000	46 308 120	32 674 790	37 802 600	-31.89	15.69
Nat. Gas (Mio m3)		5	5	4	9	8	60.00	-11.11
Petroleum	(t)	83 121	70 139	72 649	173 486	139 551	67.89	-19.56
Total	(t)	61 109 832	56 365 231	51 762 424	38 260 645	43 485 844		

Guatemala

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	330	850	7 310	8 210	2 670	709.09	-67.48
Nickel	(t)	9 200	57 700	38 500	36 900	54 500	492.39	47.70
Antimony	(t)	159	0	0	25	0	-100.00	-100.00
Lead	(t)	818	10 359	10 153	10 000	4 200	413.45	-58.00
Zinc	(t)	865	13 394	14 810	15 000	6 100	605.20	-59.33
Gold	(kg)	6 386	6 140	5 641	3 907	1 646	-74.22	-57.87
Silver	(kg)	265 943	858 356	862 814	837 793	336 944	26.70	-59.78
Baryte	(t)	343	43	544	500	43	-87.46	-91.40
Bentonite	(t)	18 418	75 200	718	18 081	20 542	11.53	13.61
Feldspar	(t)	19 611	10 410	10 340	30 428	29 145	48.62	-4.22
Gypsum	(t)	117 619	81 805	111 351	130 617	135 154	14.91	3.47
Kaolin	(t)	1 342	1 285	1 101	793	657	-51.04	-17.15
Magnesite	(t)	17 196	24 268	25 000	23 954	16 298	-5.22	-31.96
Talc	(t)	3 254	3 368	3 779	2 733	1 982	-39.09	-27.48
Petroleum	(t)	497 200	500 400	499 800	448 100	480 000	-3.46	7.12
Total	(t)	686 627	779 946	724 275	726 183	751 630		

Guinea

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite	(t)	20 349 900	20 170 000	20 692 000	31 117 323	49 731 590	144.38	59.82
Gold	(kg)	18 323	23 465	21 460	29 192	46 847	155.67	60.48
Diam. (Gem)	(ct)	151 774	123 044	125 161	84 597	136 090	-10.33	60.87
Diam. (Ind)	(ct)	50 591	41 015	41 720	28 200	45 360	-10.34	60.85
Total	(t)	20 349 918	20 170 023	20 692 021	31 117 352	49 731 637		

Guyana

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite	(t)	1 713 242	1 563 563	1 526 467	1 479 090	1 459 223	-14.83	-1.34
Gold	(kg)	14 963	12 053	14 029	22 168	20 334	35.90	-8.27
Diam. (Gem)	(ct)	41 946	74 963	88 838	104 920	39 120	-6.74	-62.71
Diam. (Ind)	(ct)	13 982	24 988	29 613	34 970	13 040	-6.74	-62.71
Total	(t)	1 713 257	1 563 575	1 526 481	1 479 112	1 459 243		

Honduras

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Antimony	(t)	0	13	14	0	0	.	.
Lead	(t)	11 600	15 500	9 800	4 000	6 761	-41.72	69.03
Zinc	(t)	25 000	30 000	23 000	14 500	20 437	-18.25	40.94
Gold	(kg)	1 985	2 762	2 598	2 607	2 656	33.80	1.88
Silver	(kg)	50 916	56 826	34 369	17 803	21 785	-57.21	22.37
Gypsum	(t)	5 500	2 598	2 600	5 000	5 000	-9.09	0.00
Salt	(t)	30 000	54 400	45 400	59 000	59 000	96.67	0.00
Total	(t)	72 153	102 571	80 851	82 521	91 223		

Hungary

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	9 370	13 650	15 330	4 840	0	-100.00	-100.00
Bauxite	(t)	93 700	14 400	8 300	16 710	1 300	-98.61	-92.22
Gallium	(t)	2	2	0	0	0	-100.00	.
Bentonite	(t)	10 360	13 893	14 170	14 000	24 630	137.74	75.93
Perlite	(t)	31 024	32 750	31 275	31 000	34 628	11.62	11.70
Lignite	(t)	9 552 700	9 553 700	9 263 180	9 232 810	7 890 000	-17.41	-14.54
Nat. Gas (Mio m3)		2 060	1 933	1 887	1 823	1 605	-22.09	-11.96
Petroleum	(t)	610 000	594 000	633 072	732 702	705 274	15.62	-3.74
Total	(t)	11 955 156	11 768 795	11 474 927	11 490 462	9 939 832		

Iceland

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	757 615	755 510	769 005	756 170	794 830	4.91	5.11
Salt	(t)	5 000	5 000	5 000	5 000	5 000	0.00	0.00
Total	(t)	762 615	760 510	774 005	761 170	799 830		

India

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	101 962 610	80 404 800	98 687 200	119 761 900	124 592 100	22.19	4.03
Chromium	(t)	1 324 000	995 500	1 335 560	1 728 270	1 601 200	20.94	-7.35
Manganese	(t)	886 550	780 210	728 970	801 020	867 400	-2.16	8.29
Titanium	(t)	409 900	368 600	302 900	341 400	200 100	-51.18	-41.39
Aluminium	(t)	1 667 300	2 026 803	2 354 949	2 896 629	3 400 618	103.96	17.40
Bauxite	(t)	22 319 148	22 493 671	28 123 789	24 745 487	22 312 681	-0.03	-9.83
Cadmium	(t)	228	69	0	35	47	-79.39	34.29
Copper	(t)	32 276	24 750	34 920	32 000	33 680	4.35	5.25
Lead	(t)	109 810	111 370	143 710	147 100	168 150	53.13	14.31
Selenium	(t)	16	16	17	17	17	6.25	0.00
Tin	(t)	26	19	10	9	13	-50.00	44.44
Zinc	(t)	769 930	767 180	740 740	745 980	773 830	0.51	3.73
Gold	(kg)	1 564	1 440	1 323	1 594	1 648	5.37	3.39
Silver	(kg)	349 774	327 647	426 443	460 811	557 691	59.44	21.02
Asbestos	(t)	172	0	0	0	0	-100.00	.
Baryte	(t)	1 170 522	1 010 214	1 252 262	1 262 100	1 261 300	7.76	-0.06
Bentonite	(t)	1 310 000	1 333 000	1 580 000	1 750 000	1 750 000	33.59	0.00
Diam. (Gem)	(ct)	3 000	2 889	12 784	13 488	14 690	389.67	8.91
Diam. (Ind)	(ct)	34 515	33 218	23 260	23 028	25 010	-27.54	8.61
Feldspar	(t)	1 512 982	3 168 369	3 343 773	6 432 674	4 189 560	176.91	-34.87
Fluorspar	(t)	2 486	2 947	2 333	1 175	1 313	-47.18	11.74
Graphite	(t)	146 390	116 712	135 528	122 437	33 558	-77.08	-72.59
Gypsum	(t)	3 115 363	2 477 849	2 500 000	2 300 000	3 000 000	-3.70	30.43
Kaolin	(t)	4 781 519	3 861 380	4 770 000	4 110 000	4 100 000	-14.25	-0.24
Magnesite	(t)	196 940	285 009	327 663	299 149	195 033	-0.97	-34.80
Phosphates	(t)	338 910	363 060	368 350	313 450	385 000	13.60	22.83
Salt	(t)	23 019 300	26 887 100	27 643 700	29 191 600	27 560 000	19.73	-5.59
Sulfur	(t)	2 263 625	2 564 808	2 741 100	2 960 800	3 475 200	53.52	17.37
Talc	(t)	1 112 602	1 921 087	1 094 101	1 375 293	1 696 300	52.46	23.34
Vermiculite	(t)	11 851	15 327	23 279	9 042	6 055	-48.91	-33.03
Zircon	(t)	20 626	23 659	18 437	29 256	30 000	45.45	2.54
Steam Coal	(t)	508 947 000	551 733 000	578 343 000	596 207 000	635 253 000	24.82	6.55
Coking Coal	(t)	56 818 000	57 446 000	60 887 000	61 661 000	40 147 000	-29.34	-34.89
Lignite	(t)	44 271 000	48 270 000	43 842 000	45 230 000	46 255 000	4.48	2.27
Nat. Gas (Mio m3)		35 407	33 657	32 249	31 897	31 806	-10.17	-0.29
Petroleum	(t)	37 778 000	37 461 000	36 951 000	36 009 000	35 684 000	-5.54	-0.90
Uranium	(t)	472	454	454	454	496	5.08	9.25
Total	(t)	844 625 506	873 839 892	924 076 372	965 982 340	984 418 011		

Indonesia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	12 294 300	3 273 300	2 111 200	2 300 000	700 000	-94.31	-69.57
Cobalt	(t)	4 700	329	350	350	350	-92.55	0.00
Manganese	(t)	2 000	3 700	27 000	27 000	27 000	1 250.00	0.00
Nickel	(t)	834 200	215 000	129 600	198 900	363 000	-56.49	82.50
Aluminium	(t)	256 602	264 474	257 149	245 483	218 816	-14.73	-10.86
Bauxite	(t)	57 023 800	2 539 274	471 867	494 722	1 733 380	-96.96	250.37
Copper	(t)	512 033	379 787	586 914	727 959	622 216	21.52	-14.53
Lead	(t)	6 200	4 690	5 470	5 280	7 635	23.15	44.60
Tin	(t)	92 491	75 170	70 310	62 877	68 702	-25.72	9.26
Zinc	(t)	1 220	740	21 260	8 540	13 800	1 031.15	61.59
Gold	(kg)	59 804	69 349	92 171	91 090	90 700	51.66	-0.43
Silver	(kg)	222 240	165 760	201 595	228 640	243 310	9.48	6.42
Bentonite	(t)	7 000	7 000	7 000	7 000	7 000	0.00	0.00
Feldspar	(t)	1 530 600	1 474 100	1 204 900	1 353 300	1 346 700	-12.01	-0.49
Gypsum	(t)	8 000	8 000	8 000	8 000	8 000	0.00	0.00
Kaolin	(t)	739 900	753 000	681 100	728 000	736 600	-0.45	1.18
Salt	(t)	872 710	1 877 170	2 186 600	141 000	1 110 000	27.19	687.23
Sulfur	(t)	540 000	540 000	540 000	540 000	500 000	-7.41	-7.41
Zircon	(t)	49 400	21 000	30 900	34 800	26 780	-45.79	-23.05
Steam Coal	(t)	489 476 000	487 291 000	452 542 000	460 137 000	461 248 184	-5.77	0.24
Coking Coal	(t)	2 244 000	3 300 000	2 230 000	3 340 000	1 840 000	-18.00	-44.91
Nat. Gas (Mio m3)		77 230	76 110	75 740	74 670	72 420	-6.23	-3.01
Petroleum	(t)	41 033 200	39 269 800	39 121 400	41 488 400	39 879 800	-2.81	-3.88
Total	(t)	669 312 638	602 185 769	562 825 314	571 584 931	568 394 297		

Iran

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	25 329 500	25 709 416	25 797 898	21 623 000	21 884 000	-13.60	1.21
Chromium	(t)	191 100	157 953	142 810	162 100	92 850	-51.41	-42.72
Manganese	(t)	70 156	56 628	69 760	33 110	33 915	-51.66	2.43
Molybdenum	(t)	3 471	3 494	3 337	3 340	4 280	23.31	28.14
Titanium	(t)	36 710	7 000	38 290	3 340	30 630	-16.56	817.07
Aluminium	(t)	299 448	286 514	353 000	341 000	337 608	12.74	-0.99
Antimony	(t)	400	432	216	2 767	620	55.00	-77.59
Arsenic	(t)	110	110	110	0	400	263.64	.
Bauxite	(t)	788 630	540 003	773 700	765 616	804 510	2.01	5.08
Copper	(t)	222 900	216 800	254 709	282 500	295 653	32.64	4.66
Lead	(t)	42 000	44 000	40 800	47 000	48 000	14.29	2.13
Mercury	(t)	10	12	14	2	3	-70.00	50.00
Zinc	(t)	130 000	150 000	168 210	176 400	196 000	50.77	11.11
Gold	(kg)	1 656	1 760	2 368	4 537	7 100	328.74	56.49
Silver	(kg)	673	34 945	48 380	50 000	50 000	7 329.42	0.00

Baryte	(t)	450 000	671 316	1 085 667	1 449 038	514 711	14.38	-64.48
Bentonite	(t)	397 106	419 693	435 974	356 036	517 524	30.32	45.36
Boron	(t)	914	180	515	36	850	-7.00	2 261.11
Diatomite	(t)	9 500	9 912	9 500	37	0	-100.00	-100.00
Feldspar	(t)	1 313 233	1 128 569	1 003 354	1 120 449	1 128 585	-14.06	0.73
Fluorspar	(t)	69 828	78 736	39 286	70 820	55 297	-20.81	-21.92
Gypsum	(t)	21 118 681	19 550 120	17 793 500	15 715 011	13 942 092	-33.98	-11.28
Kaolin	(t)	946 388	820 067	791 193	868 179	861 938	-8.92	-0.72
Magnesite	(t)	170 741	165 886	165 073	145 223	166 636	-2.40	14.74
Perlite	(t)	55 101	42 646	63 030	17 083	23 837	-56.74	39.54
Phosphates	(t)	113 600	36 527	65 342	77 912	88 715	-21.91	13.87
Potash	(t)	3 600	449 700	632 100	929 400	804 900	22 258.33	-13.40
Salt	(t)	2 078 682	3 940 112	4 448 463	2 995 025	2 839 430	36.60	-5.20
Sulfur	(t)	2 100 000	2 100 000	2 200 000	2 200 000	2 200 000	4.76	0.00
Talc	(t)	92 958	52 492	150 965	87 899	86 514	-6.93	-1.58
Vermiculite	(t)	1 200	1 200	1 000	1 000	0	-100.00	-100.00
Steam Coal	(t)	183 000	166 000	186 000	206 000	206 000	12.57	0.00
Coking Coal	(t)	922 000	909 000	909 000	909 000	909 000	-1.41	0.00
Nat. Gas (Mio m3)		164 280	183 050	191 420	203 160	223 890	36.29	10.20
Petroleum	(t)	169 862 470	174 272 970	180 460 470	216 801 550	234 191 690	37.87	8.02
Total	(t)	358 427 440	378 427 525	391 219 336	429 917 928	461 378 245		

Iraq

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bentonite	(t)	6 288	255	0	0	0	-100.00	.
Gypsum	(t)	1 500 000	1 200 000	1 000 000	1 000 000	1 000 000	-33.33	0.00
Phosphates	(t)	63 800	25 000	0	40 000	40 000	-37.30	0.00
Salt	(t)	182 000	180 000	180 000	180 000	200 000	9.89	11.11
Sulfur	(t)	37 500	37 000	40 000	40 000	40 000	6.67	0.00
Nat. Gas (Mio m3)		7 070	7 530	7 300	9 900	10 390	46.96	4.95
Petroleum	(t)	152 030 440	158 809 600	195 614 960	217 606 460	221 497 210	45.69	1.79
Total	(t)	159 476 028	166 275 855	202 674 960	226 786 460	231 089 210		

Ireland

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Lead	(t)	42 950	40 500	31 300	19 600	17 100	-60.19	-12.76
Zinc	(t)	326 700	282 600	236 300	147 800	130 600	-60.02	-11.64
Silver	(kg)	7 822	6 436	3 770	1 076	1 344	-82.82	24.91
Gypsum	(t)	200 000	300 000	250 000	250 000	200 000	0.00	-20.00
Nat. Gas (Mio m3)		160	140	120	2 750	3 170	1 881.25	15.27
Total	(t)	697 658	735 106	613 604	2 617 401	2 883 701		

Israel

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	27 200	82 000	159 300	147 000	150 000	451.47	2.04
Phosphates	(t)	1 109 200	1 040 700	1 192 900	1 223 600	1 032 900	-6.88	-15.59
Potash	(t)	1 893 300	1 854 600	1 297 000	2 093 100	2 126 700	12.33	1.61
Salt	(t)	442 000	459 742	333 300	389 240	400 000	-9.50	2.76
Nat. Gas (Mio m3)		5 710	6 760	7 410	8 250	8 720	52.71	5.70
Oil Shales	(t)	420 900	395 600	420 100	423 100	449 100	6.70	6.15
Petroleum	(t)	63 220	81 960	76 170	115 040	76 290	20.67	-33.68
Total	(t)	8 523 820	9 322 602	9 406 770	10 991 080	11 210 990		

Italy

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Indium	(t)	5	5	5	5	5	0.00	0.00
Bentonite	(t)	20 709	20 000	12 840	45 978	72 756	251.33	58.24
Feldspar	(t)	2 182 561	2 185 000	2 200 000	2 200 000	2 200 000	0.80	0.00
Gypsum	(t)	3 163 273	5 886 650	5 717 300	6 17 188	4 76 471	-84.94	-22.80
Kaolin	(t)	577 249	384 891	305 327	408 810	561 887	-2.66	37.44
Salt	(t)	3 543 881	3 200 000	3 030 687	2 550 849	3 195 063	-9.84	25.25
Sulfur	(t)	740 000	740 000	666 600	765 200	810 000	9.46	5.85
Talc	(t)	162 234	165 000	165 000	165 000	165 000	1.70	0.00
Steam Coal	(t)	62 107	86 000	73 000	59 000	47 000	-24.32	-20.34
Nat. Gas (Mio m3)		7 735	7 149	6 771	5 785	5 538	-28.40	-4.27
Petroleum	(t)	5 502 000	5 765 000	5 470 000	3 746 000	4 140 000	-24.75	10.52
Total	(t)	22 142 019	24 151 746	17 911 989	15 186 030	16 098 582		

Jamaica

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite	(t)	9 477 133	9 676 697	9 628 818	8 540 131	8 244 628	-13.01	-3.46
Gypsum	(t)	48 322	45 200	43 000	50 000	46 000	-4.81	-8.00
Salt	(t)	14 166	14 169	14 379	15 354	12 565	-11.30	-18.16
Total	(t)	9 539 621	9 736 066	9 686 197	8 605 485	8 303 193		

Japan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	3 000	500	0	0	0	-100.00	.
Arsenic	(t)	45	45	45	45	45	0.00	0.00
Bismuth	(t)	485	582	632	428	525	8.25	22.66

Cadmium	(t)	1 826	1 829	1 959	1 988	2 142	17.31	7.75
Gallium	(t)	8	8	5	3	3	-62.50	0.00
Germanium	(t)	2	2	2	2	2	0.00	0.00
Indium	(t)	70	70	70	70	70	0.00	0.00
Selenium	(t)	741	782	773	752	792	6.88	5.32
Tellurium	(t)	31	37	37	33	38	22.58	15.15
Gold	(kg)	7 411	7 114	7 699	6 455	6 369	-14.06	-1.33
Silver	(kg)	3 644	3 541	4 616	5 076	3 408	-6.48	-32.86
Bentonite	(t)	500 000	500 000	500 000	500 000	500 000	0.00	0.00
Feldspar	(t)	100 000	105 000	105 000	105 000	105 000	5.00	0.00
Kaolin	(t)	13 000	13 000	12 000	12 000	12 000	-7.69	0.00
Salt	(t)	929 000	928 000	938 000	928 000	926 000	-0.32	-0.22
Sulfur	(t)	3 464 700	3 502 600	3 420 900	3 517 800	3 488 600	0.69	-0.83
Talc	(t)	370 000	375 000	375 000	375 000	375 000	1.35	0.00
Nat. Gas	(Mio m3)	2 995	2 822	2 734	2 754	3 008	0.43	9.22
Petroleum	(t)	618 500	579 700	536 700	494 000	505 400	-18.29	2.31
Total	(t)	8 397 419	8 264 766	8 078 336	8 138 332	8 322 026		

Jordan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	270 000	275 000	275 000	81 000	80 000	-70.37	-1.23
Kaolin	(t)	80 000	100 000	60 000	11 935	11 000	-86.25	-7.83
Phosphates	(t)	1 727 550	2 285 990	2 667 520	2 557 170	2 780 030	60.92	8.72
Potash	(t)	1 063 840	1 275 460	1 436 550	1 222 140	1 415 260	33.03	15.80
Salt	(t)	10 000	8 000	10 000	10 000	10 000	0.00	0.00
Sulfur	(t)	268 800	304 800	254 900	130 000	130 000	-51.64	0.00
Nat. Gas	(Mio m3)	150	130	122	116	102	-32.00	-12.07
Petroleum	(t)	1 100	800	500	400	300	-72.73	-25.00
Total	(t)	3 541 290	4 354 050	4 802 070	4 105 445	4 508 190		

Kazakhstan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	16 398 330	15 965 110	11 122 150	10 632 570	11 705 660	-28.62	10.09
Chromium	(t)	2 008 400	2 143 900	1 992 400	1 989 500	2 193 500	9.22	10.25
Manganese	(t)	575 800	527 000	328 400	323 300	294 900	-48.78	-8.78
Molybdenum	(t)	0	0	430	1 941	35	.	-98.20
Titanium	(t)	30 000	20 000	12 770	66 600	65 000	116.67	-2.40
Vanadium	(t)	1 000	1 000	1 000	0	0	-100.00	.
Aluminium	(t)	250 200	207 850	219 000	235 566	254 000	1.52	7.83
Antimony	(t)	900	1 000	979	573	350	-61.11	-38.92
Bauxite	(t)	5 192 800	4 515 600	4 682 600	4 801 300	4 846 100	-6.68	0.93
Cadmium	(t)	1 319	1 633	1 459	2 682	2 690	103.94	0.30
Copper	(t)	452 500	471 700	467 500	471 500	540 700	19.49	14.68
Lead	(t)	40 100	37 800	40 700	70 500	111 200	177.31	57.73

Rhenium	(kg)	2 500	300	3 306	3 300	3 300	32.00	0.00
Selenium	(t)	130	50	13	13	40	-69.23	207.69
Zinc	(t)	361 500	345 200	342 500	324 800	315 900	-12.61	-2.74
Gold	(kg)	42 552	50 339	63 614	74 737	85 339	100.55	14.19
Silver	(kg)	958 258	983 697	1 306 575	1 182 476	1 041 838	8.72	-11.89
Asbestos	(t)	243 400	213 100	179 800	192 600	192 700	-20.83	0.05
Baryte	(t)	563 700	655 500	752 300	612 300	612 000	8.57	-0.05
Bentonite	(t)				119 100	120 000	.	0.76
Boron	(t)	30 000	30 000	30 000	30 000	30 000	0.00	0.00
Phosphates	(t)	410 500	349 500	387 100	348 600	400 000	-2.56	14.74
Salt	(t)	531 429	596 508	608 627	730 283	814 509	53.27	11.53
Sulfur	(t)	2 900 000	2 950 000	3 150 000	2 850 000	3 789 700	30.68	32.97
Steam Coal	(t)	99 916 000	89 185 000	84 773 000	81 856 000	84 758 000	-15.17	3.55
Coking Coal	(t)	12 968 000	17 906 000	17 020 000	15 468 000	15 468 000	19.28	0.00
Lignite	(t)	6 690 000	6 894 000	5 526 000	5 750 000	5 739 000	-14.22	-0.19
Nat. Gas (Mio m3)		30 505	31 238	33 386	28 466	31 587	3.55	10.96
Petroleum	(t)	81 786 700	80 825 600	79 456 300	78 031 800	86 194 400	5.39	10.46
Uranium	(t)	26 533	26 920	28 072	29 113	27 583	3.96	-5.26
Total	(t)	255 784 245	248 861 405	237 833 274	227 712 701	243 746 697		

Kenya

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	93 000	0	0	0	0	-100.00	.
Manganese	(t)				0	2 700	.	.
Titanium	(t)	3 190	258 910	319 750	339 480	345 560	10 732.60	1.79
Gold	(kg)	2 100	237	337	197	503	-76.05	155.33
Diatomite	(t)	1 054	1 195	1 090	1 238	1 278	21.25	3.23
Fluorspar	(t)	71 987	97 156	70 096	42 656	6 945	-90.35	-83.72
Gypsum	(t)	5 500	5 900	5 800	5 760	5 700	3.64	-1.04
Kaolin	(t)	1 100	1 100	1 100	1 000	1 000	-9.09	0.00
Salt	(t)	8 895	18 936	21 201	23 425	43 245	386.17	84.61
Vermiculite	(t)	400	440	410	100	0	-100.00	-100.00
Zircon	(t)	0	15 004	25 951	39 687	42 217	.	6.37
Total	(t)	185 128	398 641	445 398	453 346	448 646		

Korea, North

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	865 000	963 600	579 300	600 000	630 000	-27.17	5.00
Molybdenum	(t)	270	250	370	440	340	25.93	-22.73
Tungsten	(t)	85	70	72	50	310	264.71	520.00
Cadmium	(t)	200	200	200	200	200	0.00	0.00
Copper	(t)	6 200	14 400	15 000	20 000	15 000	141.94	-25.00

Lead	(t)	40 000	36 100	32 300	36 800	31 600	-21.00	-14.13
Zinc	(t)	36 000	32 000	32 000	64 000	20 000	-44.44	-68.75
Silver	(kg)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Baryte	(t)	600	20	12 000	9 000	4 200	600.00	-53.33
Fluorspar	(t)	5 000	5 000	4 000	0	2 500	-50.00	.
Graphite	(t)	30 000	30 000	40 000	47 000	50 000	66.67	6.38
Magnesite	(t)	180 000	180 200	154 000	166 600	181 700	0.94	9.06
Phosphates	(t)	95 000	95 000	95 000	95 000	95 000	0.00	0.00
Salt	(t)	500 000	500 000	500 000	500 000	500 000	0.00	0.00
Sulfur	(t)	42 000	42 000	20 500	10 000	10 000	-76.19	0.00
Talc	(t)	50 000	50 000	50 000	40 000	40 000	-20.00	0.00
Steam Coal	(t)	26 600 000	27 090 000	27 490 000	31 060 000	18 893 000	-28.97	-39.17
Total	(t)	28 450 405	29 038 890	29 024 792	32 649 140	20 473 900		

Korea, South

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	397 830	415 960	267 190	266 810	186 330	-53.16	-30.16
Molybdenum	(t)	453	490	258	0	0	-100.00	.
Titanium	(t)	126 350	132 490	112 250	91 800	122 670	-2.91	33.63
Tungsten	(t)	0	12	8	14	0	.	-100.00
Cadmium	(t)	3 904	4 300	3 620	4 595	4 960	27.05	7.94
Copper	(t)			0	117	7	.	-94.02
Gallium	(t)	2	1	2	3	3	50.00	0.00
Indium	(t)	150	150	195	210	215	43.33	2.38
Lead	(t)	2 500	2 760	2 920	2 840	3 760	50.40	32.39
Zinc	(t)	1 750	1 920	2 070	2 260	3 320	89.71	46.90
Gold	(kg)	413	283	269	205	287	-30.51	40.00
Silver	(kg)	3 897	3 264	4 586	6 579	8 863	127.43	34.72
Bentonite	(t)	80 188	71 850	78 439	63 834	47 306	-41.01	-25.89
Diatomite	(t)	34 000	65 893	15 310	20 564	133 741	293.36	550.36
Feldspar	(t)	343 366	528 958	601 030	654 398	717 177	108.87	9.59
Graphite	(t)	0	0	62	0	0	.	.
Kaolin	(t)	521 783	429 081	356 866	366 511	416 648	-20.15	13.68
Salt	(t)	421 259	303 510	342 844	323 470	308 844	-26.69	-4.52
Sulfur	(t)	1 750 000	1 800 000	1 960 000	2 000 000	2 000 000	14.29	0.00
Talc	(t)	527 609	628 349	603 231	592 247	434 292	-17.69	-26.67
Steam Coal	(t)	1 815 000	1 748 000	1 764 050	1 727 046	1 485 582	-18.15	-13.98
Nat. Gas (Mio m3)		444	308	180	148	326	-26.58	120.27
Petroleum	(t)	39 500	26 960	15 630	14 130	29 610	-25.04	109.55
Total	(t)	6 420 848	6 407 087	6 269 980	6 249 256	6 155 274		

Kosovo

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	800	1 000	0	0	0	-100.00	.
Nickel	(t)	7 610	6 720	6 650	4 310	7 120	-6.44	65.20
Lead	(t)	7 400	7 700	5 400	6 530	5 100	-31.08	-21.90
Zinc	(t)	5 000	5 500	4 000	4 800	4 500	-10.00	-6.25
Lignite	(t)	8 219 393	7 204 211	8 240 994	8 800 848	7 574 697	-7.84	-13.93
Total	(t)	8 240 203	7 225 131	8 257 044	8 816 488	7 591 417		

Kuwait

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	65 243	56 273	64 289	66 664	67 000	2.69	0.50
Sulfur	(t)	850 000	823 860	753 500	750 000	556 800	-34.49	-25.76
Nat. Gas	(Mio m3)	16 311	15 029	16 909	17 291	17 102	4.85	-1.09
Petroleum	(t)	145 650 100	142 766 600	142 322 500	147 074 800	134 671 200	-7.54	-8.43
Total	(t)	159 614 143	155 669 933	156 667 489	161 724 264	148 976 600		

Kyrgyzstan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Tungsten	(t)	100	0	80	0	0	-100.00	.
Antimony	(t)	900	1 450	1 200	1 880	1 380	53.33	-26.60
Copper	(t)	0	700	3 100	8 200	8 000	.	-2.44
Mercury	(t)	31	46	20	50	50	61.29	0.00
Gold	(kg)	19 298	18 117	17 015	19 497	21 306	10.41	9.28
Silver	(kg)	22 060	21 182	17 220	13 490	21 946	-0.52	62.68
Gypsum	(t)	148 000	112 000	60 617	98 000	100 000	-32.43	2.04
Kaolin	(t)	187 400	9 419	0	0	40 000	-78.66	.
Salt	(t)	3 900	5 300	4 744	7 000	6 000	53.85	-14.29
Steam Coal	(t)	251 000	291 700	345 000	248 000	248 000	-1.20	0.00
Lignite	(t)	1 157 000	1 505 000	1 584 000	1 603 000	1 603 000	38.55	0.00
Nat. Gas	(Mio m3)	32	34	54	30	27	-15.63	-10.00
Petroleum	(t)	83 000	81 000	173 000	148 000	169 200	103.86	14.32
Total	(t)	1 856 972	2 033 854	2 214 995	2 138 162	2 197 273		

Laos

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	560 950	680 840	140 850	69 040	150 000	-73.26	117.27
Antimony	(t)	804	620	1 166	242	320	-60.20	32.23
Copper	(t)	154 915	159 696	167 702	167 679	153 304	-1.04	-8.57
Lead	(t)	1 600	100	190	510	660	-58.75	29.41
Tin	(t)	521	782	461	1 005	975	87.14	-2.99
Zinc	(t)	2 000	2 000	0	750	0	-100.00	-100.00
Gold	(kg)	6 838	5 260	6 893	6 764	5 988	-12.43	-11.47
Silver	(kg)	32 262	39 801	51 764	50 904	42 841	32.79	-15.84
Baryte	(t)	10 500	30 610	32 150	33 240	33 325	217.38	0.26
Gypsum	(t)	772 138	584 338	989 516	469 436	463 039	-40.03	-1.36
Potash	(t)	82 500	189 400	255 100	198 600	307 600	272.85	54.88
Salt	(t)	50 000	51 000	35 100	36 398	37 490	-25.02	3.00
Steam Coal	(t)	104 260	105 564	106 028	138 809	133 284	27.84	-3.98
Lignite	(t)	403 925	26 320	4 464 068	13 097 121	13 439 492	3 227.22	2.61
Total	(t)	2 144 152	1 831 315	6 192 390	14 212 888	14 719 538		

Latvia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	272 340	270 120	225 370	224 000	278 260	2.17	24.22
Total	(t)	272 340	270 120	225 370	224 000	278 260		

Lebanon

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	20 000	15 000	15 000	3 000	3 000	-85.00	0.00
Total	(t)	20 000	15 000	15 000	3 000	3 000		

Lesotho

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Diam. (Gem)	(ct)	82 803	69 203	60 846	68 403	225 280	172.07	229.34
Diam. (Ind)	(ct)	331 211	276 814	243 386	273 611	901 130	172.07	229.35
Total	(t)	0	0	0	0	0		

Liberia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	2 474 000	2 952 800	2 717 700	843 100	1 160 500	-53.09	37.65
Gold	(kg)	587	620	829	4 704	6 356	982.79	35.12
Diam. (Gem)	(ct)	28 690	44 930	39 600	36 220	35 970	25.37	-0.69
Diam. (Ind)	(ct)	19 130	29 950	26 400	24 150	23 980	25.35	-0.70
Total	(t)	2 474 001	2 952 801	2 717 701	843 105	1 160 506		

Libya

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	120 000	150 000	150 000	150 000	150 000	25.00	0.00
Salt	(t)	30 000	30 000	30 000	30 000	30 000	0.00	0.00
Sulfur	(t)	70 000	97 000	90 000	75 000	75 000	7.14	0.00
Nat. Gas	(Mio m3)	12 160	11 830	12 370	11 240	11 530	-5.18	2.58
Petroleum	(t)	46 563 390	23 379 620	20 284 420	20 061 740	40 756 440	-12.47	103.16
Total	(t)	56 511 390	33 120 620	30 450 420	29 308 740	50 235 440		

Lithuania

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Sulfur	(t)	81 400	76 600	84 000	94 520	93 970	15.44	-0.58
Petroleum	(t)	86 030	81 920	73 100	63 500	55 830	-35.10	-12.08
Total	(t)	167 430	158 520	157 100	158 020	149 800		

Macedonia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nickel	(t)	21 133	0	0	0	0	-100.00	.
Copper	(t)	10 641	10 241	11 102	10 429	8 966	-15.74	-14.03
Lead	(t)	42 820	43 810	37 920	31 030	39 850	-6.94	28.42
Zinc	(t)	30 910	31 570	29 150	24 870	27 510	-11.00	10.62
Gold	(kg)	490	480	494	664	972	98.37	46.39
Silver	(kg)	23 420	23 910	17 660	13 970	17 630	-24.72	26.20

Bentonite	(t)	18 520	16 920	9 012	1 968	912	-95.08	-53.66
Feldspar	(t)	15 168	18 076	20 289	19 919	21 237	40.01	6.62
Gypsum	(t)	162 661	156 492	172 525	202 582	217 491	33.71	7.36
Talc	(t)	621	483	598	729	478	-23.03	-34.43
Lignite	(t)	6 681 752	6 482 070	5 936 597	5 130 055	5 056 918	-24.32	-1.43
Total	(t)	6 984 249	6 759 686	6 217 211	5 421 597	5 373 381		

Madagascar

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	57 420	60 750	72 620	52 800	102 000	77.64	93.18
Cobalt	(t)	2 340	3 221	3 920	3 654	2 967	26.79	-18.80
Nickel	(t)	26 908	37 046	45 075	42 024	34 123	26.81	-18.80
Titanium	(t)	304 100	206 700	102 700	152 100	230 700	-24.14	51.68
Beryllium	(t)	85	135	140	140	140	64.71	0.00
Gold	(kg)	160	160	160	586	2 834	1 671.25	383.62
Graphite	(t)	3 833	5 316	8 100	9 230	13 300	246.99	44.10
Salt	(t)	75 000	80 000	80 000	80 000	80 000	6.67	0.00
Zircon	(t)	31 345	27 275	11 879	15 582	25 950	-17.21	66.54
Total	(t)	501 031	420 443	324 434	355 531	489 183		

Malawi

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)			0	2 280	3 000	.	31.58
Phosphates	(t)	2 000	1 900	2 110	430	1 700	-15.00	295.35
Steam Coal	(t)	67 024	63 673	58 774	43 338	45 230	-32.52	4.37
Uranium	(t)	1 335	435	0	0	0	-100.00	.
Total	(t)	70 359	66 008	60 884	46 048	49 930		

Malaysia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	7 644 580	6 057 650	1 015 450	1 206 130	2 439 130	-68.09	102.23
Manganese	(t)	540 060	401 010	247 340	336 340	340 000	-37.04	1.09
Tantalum	(t)	19	26	9	8	6	-68.42	-25.00
Titanium	(t)	14 510	7 400	3 590	5 990	7 300	-49.69	21.87
Aluminium	(t)	290 000	440 000	440 000	620 000	760 000	162.07	22.58
Bauxite	(t)	219 888	3 676 876	27 900 000	6 700 000	830 000	277.46	-87.61
Rare Earths	(t)	261	455	565	1 880	302	15.71	-83.94

Tin	(t)	3 697	3 777	4 159	4 158	4 819	30.35	15.90
Gold	(kg)	3 823	4 308	4 854	2 249	2 129	-44.31	-5.34
Silver	(kg)	361	533	945	1 075	2 078	475.62	93.30
Baryte	(t)	500	575	0	0	0	-100.00	.
Feldspar	(t)	314 399	378 446	442 980	441 856	442 000	40.59	0.03
Kaolin	(t)	293 480	219 652	294 693	392 933	336 290	14.59	-14.42
Zircon	(t)	379	677	826	653	1 958	416.62	199.85
Steam Coal	(t)	2 907 463	2 687 764	2 559 444	2 414 764	2 988 211	2.78	23.75
Nat. Gas	(Mio m3)	64 818	65 441	63 425	67 557	70 290	8.44	4.05
Petroleum	(t)	28 249 000	30 023 000	32 580 100	33 193 400	32 871 700	16.36	-0.97
Total	(t)	92 332 640	96 250 113	116 229 162	99 363 715	97 253 720		

Mali

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	47 000	45 800	46 503	46 903	49 622	5.58	5.80
Silver	(kg)	2 577	2 489	2 608	2 600	2 900	12.53	11.54
Total	(t)	50	48	50	50	53		

Malta

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	1 500	1 500	1 600	1 600	1 600	6.67	0.00
Total	(t)	1 500	1 500	1 600	1 600	1 600		

Mauritania

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	8 491 300	8 648 800	7 544 600	8 624 200	7 678 500	-9.57	-10.97
Copper	(t)	37 970	33 079	45 001	32 818	28 791	-24.17	-12.27
Gold	(kg)	9 518	9 624	8 805	7 127	9 096	-4.43	27.63
Gypsum	(t)	20 000	30 000	70 000	60 000	80 000	300.00	33.33
Petroleum	(t)	334 800	296 000	263 700	235 600	165 600	-50.54	-29.71
Total	(t)	8 884 080	9 007 889	7 923 310	8 952 625	7 952 900		

Mauritius

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Salt	(t)	3 800	3 800	1 800	500	1 000	-73.68	100.00
Total	(t)	3 800	3 800	1 800	500	1 000		

Mexico

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	11 303 740	9 976 750	8 077 160	7 253 810	7 027 520	-37.83	-3.12
Manganese	(t)	211 559	235 686	217 466	205 645	211 510	-0.02	2.85
Molybdenum	(t)	12 562	14 370	11 327	11 896	13 985	11.33	17.56
Antimony	(t)	294	266	90	166	240	-18.37	44.58
Bauxite	(t)	0	0	0	96 000	0	.	-100.00
Bismuth	(t)	824	948	601	539	513	-37.74	-4.82
Cadmium	(t)	1 451	1 409	1 283	1 244	1 142	-21.30	-8.20
Copper	(t)	480 124	515 025	594 451	766 760	742 246	54.59	-3.20
Lead	(t)	253 361	250 462	263 772	242 071	243 022	-4.08	0.39
Mercury	(t)	268	301	307	267	200	-25.37	-25.09
Selenium	(t)	132	120	99	121	112	-15.15	-7.44
Zinc	(t)	642 542	659 878	786 774	661 646	671 444	4.50	1.48
Gold	(kg)	117 848	117 771	134 759	132 413	126 820	7.61	-4.22
Silver	(kg)	5 827 001	5 765 662	5 955 151	5 420 529	5 815 034	-0.21	7.28
Baryte	(t)	343 585	130 914	265 700	156 854	359 912	4.75	129.46
Bentonite	(t)	826 887	519 625	294 236	109 176	148 475	-82.04	36.00
Diatomite	(t)	87 463	87 849	89 810	96 686	96 374	10.19	-0.32
Feldspar	(t)	164 484	150 726	159 372	127 213	241 480	46.81	89.82
Fluorspar	(t)	1 210 477	1 109 721	624 574	655 555	772 100	-36.22	17.78
Graphite	(t)	7 024	9 160	6 524	14 200	10 310	46.78	-27.39
Gypsum	(t)	7 903 159	7 043 563	7 101 612	7 682 807	7 609 704	-3.71	-0.95
Kaolin	(t)	669 860	546 437	366 049	452 070	294 055	-56.10	-34.95
Magnesite	(t)	101 000	100 000	101 000	101 000	101 000	0.00	0.00
Perlite	(t)	27 200	26 000	13 000	19 000	13 000	-52.21	-31.58
Phosphates	(t)	717 435	520 040	578 830	988 280	692 150	-3.52	-29.96
Salt	(t)	10 126 601	10 520 508	9 718 027	9 785 053	8 671 281	-14.37	-11.38
Sulfur	(t)	1 030 259	992 939	858 527	673 285	551 218	-46.50	-18.13
Talc	(t)	846 813	752 077	20 452	11 392	1 280	-99.85	-88.76
Vermiculite	(t)	425	226	299	310	0	-100.00	-100.00
Steam Coal	(t)	13 065 353	13 453 540	7 492 620	8 130 459	7 279 817	-44.28	-10.46
Coking Coal	(t)	2 216 314	2 561 600	2 439 408	5 551 135	4 566 000	106.02	-17.75
Nat. Gas (Mio m3)		45 110	44 360	40 310	34 350	30 470	-32.45	-11.30
Petroleum	(t)	141 190 150	136 500 500	126 917 250	120 452 130	109 117 210	-22.72	-9.41
Total	(t)	229 535 291	222 174 524	199 254 710	191 732 323	173 819 242		

Moldova

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	161 500	172 300	194 900	204 400	358 500	121.98	75.39
Total	(t)	161 500	172 300	194 900	204 400	358 500		

Mongolia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	3 366 270	5 745 880	3 704 040	3 407 480	4 309 030	28.01	26.46
Molybdenum	(t)	1 819	1 999	2 557	2 432	2 640	45.13	8.55
Tungsten	(t)	249	765	877	755	523	110.04	-30.73
Copper	(t)	203 800	274 600	335 850	374 260	314 920	54.52	-15.86
Lead	(t)	230	520	200	4 720	7 390	3 113.04	56.57
Tin	(t)	60	60	41	25	20	-66.67	-20.00
Zinc	(t)	52 050	46 600	44 800	50 100	41 350	-20.56	-17.47
Gold	(kg)	8 904	19 963	20 829	18 436	19 849	122.92	7.66
Silver	(kg)	43 800	56 210	79 910	84 920	67 190	53.40	-20.88
Fluorspar	(t)	337 800	313 300	280 300	248 900	319 330	-5.47	28.30
Salt	(t)	2 179	1 852	1 686	478	860	-60.53	79.92
Steam Coal	(t)	12 684 000	14 126 000	3 882 000	5 496 000	15 589 000	22.90	183.64
Coking Coal	(t)	6 933 000	6 165 000	12 613 000	19 998 000	25 773 000	271.74	28.88
Lignite	(t)	6 330 000	6 073 000	5 755 000	6 672 000	6 783 000	7.16	1.66
Petroleum	(t)	699 600	1 010 100	1 183 000	1 125 300	1 039 900	48.64	-7.59
Total	(t)	30 611 110	33 759 752	27 803 452	37 380 553	54 181 050		

Montenegro

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	47 951	42 767	42 499	38 915	39 379	-17.88	1.19
Bauxite	(t)	61 154	155 153	50 369	667 259	927 847	1 417.23	39.05
Lead	(t)	1 700	1 800	1 800	2 100	2 540	49.41	20.95
Zinc	(t)	4 600	7 200	7 000	8 100	8 820	91.74	8.89
Salt	(t)	10 000	0	0	0	0	-100.00	.
Lignite	(t)	1 692 535	1 655 045	1 772 900	1 397 500	1 474 800	-12.86	5.53
Total	(t)	1 817 940	1 861 965	1 874 568	2 113 874	2 453 386		

Morocco

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	108 400	8 250	6 430	5 510	36 120	-66.68	555.54
Cobalt	(t)	1 378	1 391	1 722	2 081	1 924	39.62	-7.54
Manganese	(t)	55 500	45 640	35 850	34 170	49 500	-10.81	44.86
Nickel	(t)	160	0	0	0	196	22.50	.
Antimony	(t)	600	1 380	0	0	0	-100.00	.
Arsenic	(t)	8 968	6 863	7 567	6 122	6 879	-23.29	12.37
Copper	(t)	13 020	22 360	26 850	31 810	35 420	172.04	11.35
Lead	(t)	30 790	27 530	32 160	28 670	38 040	23.55	32.68
Mercury	(t)	20	20	20	20	10	-50.00	-50.00
Zinc	(t)	41 820	45 410	53 750	43 020	51 700	23.63	20.18
Gold	(kg)	463	377	448	352	220	-52.48	-37.50
Silver	(kg)	194 078	189 147	247 490	268 523	238 530	22.90	-11.17
Baryte	(t)	1 094 500	1 006 600	1 212 130	668 500	818 016	-25.26	22.37
Bentonite	(t)	105 240	98 757	92 290	103 230	174 546	65.86	69.08
Feldspar	(t)	61 000	45 000	32 000	33 600	101 064	65.68	200.79
Fluorspar	(t)	81 200	79 840	80 890	73 920	75 509	-7.01	2.15
Phosphates	(t)	8 441 700	8 748 400	8 388 700	8 601 000	10 490 100	24.27	21.96
Salt	(t)	488 300	439 160	555 760	634 610	659 263	35.01	3.88
Nat. Gas (Mio m3)		92	94	87	44	44	-52.17	0.00
Petroleum	(t)	6 000	5 200	4 998	4 850	4 350	-27.50	-10.31
Total	(t)	10 612 391	10 657 190	10 600 964	10 306 582	12 578 076		

Mozambique

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Niobium	(t)	6	9	5	7	10	66.67	42.86
Tantalum	(t)	35	50	28	41	57	62.86	39.02
Titanium	(t)	399 900	475 800	425 600	504 200	557 700	39.46	10.61
Aluminium	(t)	564 000	566 880	558 390	571 125	577 495	2.39	1.12
Bauxite	(t)	6 190	3 386	4 985	1 451	3 182	-48.59	119.30
Beryllium	(t)	103	3	312	181	53	-48.54	-70.72
Gold	(kg)	91	197	242	2 644	2 394	2 530.77	-9.46
Bentonite	(t)	93	739	350	322	285	206.45	-11.49
Diatomite	(t)	375	78	0	0	0	-100.00	.
Graphite	(t)				0	802	.	.
Salt	(t)	120 000	150 000	150 000	160 000	160 000	33.33	0.00
Zircon	(t)	31 400	50 800	51 800	68 200	74 000	135.67	8.50
Steam Coal	(t)	2 312 973	2 546 586	1 813 717	2 214 199	4 391 833	89.88	98.35
Coking Coal	(t)	3 556 776	3 784 603	4 786 612	3 972 122	7 385 930	107.66	85.94
Nat. Gas (Mio m3)		4 350	4 710	5 050	5 160	5 110	17.47	-0.97
Petroleum	(t)	56 810	40 690	63 720	65 080	55 790	-1.80	-14.27
Total	(t)	10 528 661	11 387 624	11 895 519	11 684 931	17 295 139		

Myanmar

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	157 600	96 800	28 000	116 000	136 600	-13.32	17.76
Nickel	(t)	6 100	21 000	26 400	25 000	29 250	379.51	17.00
Tungsten	(t)	200	100	250	170	330	65.00	94.12
Antimony	(t)	7 200	3 360	3 000	2 000	4 500	-37.50	125.00
Copper	(t)	20 000	33 200	69 850	71 190	66 960	234.80	-5.94
Lead	(t)	11 700	18 000	13 600	21 600	29 800	154.70	37.96
Tin	(t)	19 000	35 000	58 000	61 400	67 300	254.21	9.61
Zinc	(t)	4 800	6 100	4 850	6 500	13 150	173.96	102.31
Gold	(kg)	893	1 315	1 692	1 446	1 620	81.41	12.03
Baryte	(t)	31 295	23 060	2 836	3 215	2 186	-93.01	-32.01
Bentonite	(t)	1 552	0	700	600	600	-61.34	0.00
Gypsum	(t)	60 510	104 994	99 860	338 492	297 339	391.39	-12.16
Salt	(t)	169 109	187 616	129 478	221 270	138 791	-17.93	-37.28
Steam Coal	(t)	535 000	642 000	697 000	317 000	646 900	20.92	104.07
Lignite	(t)	42 000	50 000	54 000	233 000	90 000	114.29	-61.37
Nat. Gas (Mio m3)		13 660	18 500	19 700	18 490	18 350	34.33	-0.76
Petroleum	(t)	847 600	810 500	654 900	598 400	553 300	-34.72	-7.54
Total	(t)	12 841 667	16 831 731	17 602 726	16 807 838	16 757 008		

Namibia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)		0	2 680	5 680	1 640	.	-71.13
Manganese	(t)	58 000	32 000	10 110	5 050	9 820	-83.07	94.46
Arsenic	(t)	2 000	1 980	2 000	1 960	700	-65.00	-64.29
Copper	(t)	5 182	5 086	13 913	16 391	15 466	198.46	-5.64
Lead	(t)	10 800	11 700	9 700	6 800	5 805	-46.25	-14.63
Zinc	(t)	184 100	156 300	123 675	132 470	131 920	-28.34	-0.42
Gold	(kg)	2 046	2 140	6 410	7 062	7 800	281.23	10.45
Silver	(kg)	1 400	1 128	877	5 000	6 490	363.57	29.80
Diam. (Gem)	(ct)	1 674 260	1 791 002	1 676 108	1 494 350	1 713 800	2.36	14.69
Diam. (Ind)	(ct)	88 118	94 263	88 216	78 650	90 200	2.36	14.69
Fluorspar	(t)	65 348	99 984	0	0	0	-100.00	.
Graphite	(t)				0	2 216	.	.
Salt	(t)	826 985	797 405	732 980	835 539	866 586	4.79	3.72
Uranium	(t)	4 878	3 839	3 473	4 308	4 981	2.11	15.62
Total	(t)	1 157 296	1 108 297	898 538	1 008 210	1 039 148		

Nauru

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Phosphates	(t)	136 800	58 000	45 700	39 800	50 900	-62.79	27.89
Total	(t)	136 800	58 000	45 700	39 800	50 900		

Nepal

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Magnesite	(t)	0	225	60	0	0	.	.
Talc	(t)	5 140	5 703	5 255	1 860	7 096	38.05	281.51
Steam Coal	(t)	14 084	8 151	6 754	2 900	10 237	-27.31	253.00
Total	(t)	19 224	14 079	12 069	4 760	17 333		

Netherlands

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	81 000	800	28 200	36 300	30 900	-61.85	-14.88
Cadmium	(t)	560	600	620	620	620	10.71	0.00
Indium	(t)	5	5	0	0	0	-100.00	.
Salt	(t)	6 518 000	6 485 000	6 742 969	6 625 418	6 935 000	6.40	4.67
Nat. Gas (Mio m3)		82 316	68 629	52 131	50 324	43 867	-46.71	-12.83
Petroleum	(t)	1 558 700	1 943 700	1 844 700	1 273 800	1 222 000	-21.60	-4.07
Total	(t)	74 011 065	63 333 305	50 321 289	48 195 338	43 282 120		

New Caledonia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Cobalt	(t)	3 080	4 040	3 960	5 720	5 080	64.94	-11.19
Nickel	(t)	164 406	175 174	193 199	204 207	215 382	31.01	5.47
Total	(t)	167 486	179 214	197 159	209 927	220 462		

New Zealand

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	1 830 850	1 882 310	1 852 360	2 027 560	2 020 000	10.33	-0.37
Aluminium	(t)	324 835	328 269	335 292	338 556	337 016	3.75	-0.45

Gold	(kg)	12 468	11 989	12 687	9 866	10 288	-17.48	4.28
Silver	(kg)	11 223	15 811	12 498	7 960	8 022	-28.52	0.78
Bentonite	(t)	762	1 000	700	700	700	-8.14	0.00
Diatomite	(t)	4	43 624	0	0	0	-100.00	.
Kaolin	(t)	13 066	61 382	13 659	61 650	50 424	285.92	-18.21
Salt	(t)	60 000	65 000	101 000	102 000	102 000	70.00	0.00
Steam Coal	(t)	2 184 000	1 901 000	1 732 000	1 386 000	1 449 000	-33.65	4.55
Coking Coal	(t)	2 152 000	1 760 000	1 333 000	1 171 000	1 173 000	-45.49	0.17
Lignite	(t)	290 400	316 692	324 086	313 035	319 487	10.02	2.06
Nat. Gas (Mio m3)		4 526	5 016	4 596	4 843	4 759	5.15	-1.73
Petroleum	(t)	1 605 500	1 788 300	1 869 700	1 584 650	1 404 490	-12.52	-11.37
Total	(t)	12 082 240	12 160 405	11 238 622	10 859 569	10 663 335		

Nicaragua

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	8 611	8 160	7 612	8 391	7 367	-14.45	-12.20
Silver	(kg)	13 745	13 889	18 577	21 382	15 419	12.18	-27.89
Gypsum	(t)	36 498	57 390	50 374	41 750	66 740	82.86	59.86
Salt	(t)	50 000	55 200	55 000	55 000	50 000	0.00	-9.09
Total	(t)	86 521	112 612	105 401	96 779	116 762		

Niger

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	1 151	732	1 220	999	914	-20.59	-8.51
Silver	(kg)	110	67	100	100	100	-9.09	0.00
Steam Coal	(t)	241 792	255 936	221 024	246 631	233 792	-3.31	-5.21
Petroleum	(t)	886 300	853 400	744 600	820 300	909 200	2.58	10.84
Uranium	(t)	4 994	4 901	4 852	4 101	4 066	-18.58	-0.85
Total	(t)	1 133 087	1 114 238	970 477	1 071 033	1 147 059		

Nigeria

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	21 000	20 000	20 000	700	0	-100.00	-100.00
Manganese	(t)	0	70	510	20 330	13 550	.	-33.35
Niobium	(t)	30	30	29	26	30	0.00	15.38
Tantalum	(t)	75	75	72	66	75	0.00	13.64
Aluminium	(t)	2 000	0	0	0	0	-100.00	.
Beryllium	(t)	90	52	56	0	0	-100.00	.

Lead	(t)	11 500	11 400	16 000	14 500	24 260	110.96	67.31
Tin	(t)	2 516	2 485	2 298	3 443	6 550	160.33	90.24
Zinc	(t)	7 000	7 000	14 200	13 400	22 130	216.14	65.15
Gold	(kg)	6 261	7 100	7 000	7 000	7 000	11.80	0.00
Baryte	(t)	18 960	7 113	3 323	537	717	-96.22	33.52
Feldspar	(t)	12 880	60 580	25 280	34 144	27 660	114.75	-18.99
Gypsum	(t)	56 168	31 791	34 621	28 000	39 939	-28.89	42.64
Kaolin	(t)	20 000	19 200	20 000	24 104	46 935	134.68	94.72
Talc	(t)			0	667	1 897	.	184.41
Zircon	(t)	1 527	1 034	1 825	891	4 086	167.58	358.59
Steam Coal	(t)	40 360	127 467	144 880	989 155	397 214	884.18	-59.84
Nat. Gas (Mio m3)		36 170	44 580	52 700	48 640	50 630	39.98	4.09
Petroleum	(t)	109 187 000	95 410 000	106 050 000	89 588 000	94 081 000	-13.83	5.02
Total	(t)	138 317 112	131 362 304	148 493 101	129 629 970	135 170 050		

Norway

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	2 181 300	2 466 600	2 252 200	1 425 000	992 700	-54.49	-30.34
Molybdenum	(t)	8	2	1	1	0	-100.00	-100.00
Nickel	(t)	300	290	300	230	190	-36.67	-17.39
Titanium	(t)	363 500	380 010	277 340	260 000	238 200	-34.47	-8.38
Aluminium	(t)	1 172 900	1 182 000	1 227 787	1 247 000	1 253 000	6.83	0.48
Cadmium	(t)	310	320	310	335	416	34.19	24.18
Feldspar	(t)	0	1 278	76	0	0	.	.
Graphite	(t)	6 207	8 308	9 185	9 600	9 600	54.66	0.00
Gypsum	(t)	77 009	79 740	77 403	82 386	87 891	14.13	6.68
Sulfur	(t)	130 000	130 000	110 000	110 000	100 000	-23.08	-9.09
Steam Coal	(t)	2 067 522	1 701 077	1 203 382	960 341	134 433	-93.50	-86.00
Nat. Gas (Mio m3)		108 746	108 824	117 117	116 766	124 157	14.17	6.33
Petroleum	(t)	84 299 800	86 345 500	88 922 900	91 439 900	89 769 200	6.49	-1.83
Total	(t)	177 295 656	179 354 325	187 774 484	188 947 593	191 911 230		

Oman

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	317 000	300 480	179 680	232 820	181 090	-42.87	-22.22
Manganese	(t)	12 850	9 380	3 950	3 660	3 400	-73.54	-7.10
Aluminium	(t)	354 000	364 000	377 186	386 395	252 714	-28.61	-34.60
Copper	(t)	12 050	15 140	8 650	0	0	-100.00	.
Gypsum	(t)	2 812 600	3 387 300	6 251 900	7 933 617	8 438 286	200.02	6.36
Kaolin	(t)	114 700	66 600	169 500	188 300	218 600	90.58	16.09
Salt	(t)	11 800	12 900	12 600	12 100	18 035	52.84	49.05
Sulfur	(t)	32 800	41 950	43 295	35 560	59 140	80.30	66.31

Nat. Gas (Mio m3)		34 718	33 207	34 668	35 401	36 288	4.52	2.51
Petroleum (t)		46 894 300	46 972 000	48 844 500	50 135 200	48 326 500	3.05	-3.61
Total (t)		78 336 500	77 735 350	83 625 661	87 248 452	86 528 165		

Pakistan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron (t)		156 600	74 890	124 990	164 220	190 630	21.73	16.08
Chromium (t)		54 580	34 230	40 700	27 730	42 100	-22.87	51.82
Antimony (t)		89	979	114	21	15	-83.15	-28.57
Bauxite (t)		25 288	31 156	24 689	57 024	75 375	198.07	32.18
Copper (t)		13 500	13 122	13 056	14 136	10 052	-25.54	-28.89
Lead (t)		120	1 195	136	1 196	3 050	2 441.67	155.02
Zinc (t)		0	0	0	7 700	19 460	.	152.73
Baryte (t)		118 471	133 658	118 773	157 858	91 711	-22.59	-41.90
Bentonite (t)		26 077	40 374	23 283	42 038	41 635	59.66	-0.96
Feldspar (t)		38 218	92 672	38 568	316 289	273 468	615.55	-13.54
Fluorspar (t)		13 344	7 500	5 960	9 494	2 263	-83.04	-76.16
Gypsum (t)		1 249 967	1 326 437	1 417 007	1 871 716	2 079 629	66.37	11.11
Kaolin (t)		22 917	16 191	18 956	21 683	28 670	25.10	32.22
Magnesite (t)		6 705	3 770	4 581	35 228	19 656	193.15	-44.20
Phosphates (t)		18 890	18 350	15 230	20 730	11 100	-41.24	-46.45
Salt (t)		2 159 939	2 530 507	2 404 116	3 867 325	3 806 888	76.25	-1.56
Sulfur (t)		20 610	35 672	19 730	14 869	23 740	15.19	59.66
Talc (t)		93 214	89 022	116 223	125 985	152 279	63.36	20.87
Steam Coal (t)		2 813 079	3 340 192	3 407 659	3 749 312	3 953 992	40.56	5.46
Nat. Gas (Mio m3)		42 646	42 302	41 511	41 958	41 684	-2.26	-0.65
Petroleum (t)		3 663 100	4 155 885	4 627 053	4 246 335	4 329 141	18.18	1.95
Uranium (t)		48	53	53	53	53	10.42	0.00
Total (t)		44 611 556	45 787 455	45 629 677	48 317 342	48 502 107		

Panama

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold (kg)		1 116	11	0	0	0	-100.00	.
Salt (t)		27 197	25 660	23 267	23 470	18 637	-31.47	-20.59
Total (t)		27 198	25 660	23 267	23 470	18 637		

Papua New Guinea

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	40 500	42 570	45 000	23 400	34 470	-14.89	47.31
Cobalt	(t)	1 013	2 134	2 505	2 187	3 307	226.46	51.21
Nickel	(t)	11 369	20 988	25 582	22 234	34 664	204.90	55.91
Copper	(t)	105 523	75 901	45 185	80 022	105 448	-0.07	31.77
Gold	(kg)	61 524	56 387	57 633	61 785	61 678	0.25	-0.17
Silver	(kg)	89 885	84 379	73 166	95 879	69 650	-22.51	-27.36
Nat. Gas	(Mio m3)	156	1 639	2 941	3 128	3 286	2 006.41	5.05
Petroleum	(t)	1 490 500	2 395 600	2 951 500	2 907 400	2 656 600	78.24	-8.63
Total	(t)	1 773 857	3 848 533	5 422 703	5 537 801	5 463 421		

Paraguay

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	4 500	4 500	4 500	4 500	4 500	0.00	0.00
Kaolin	(t)	10 000	10 000	6 000	6 000	6 000	-40.00	0.00
Total	(t)	14 500	14 500	10 500	10 500	10 500		

Peru

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	4 542 850	4 890 960	4 978 150	5 210 920	5 988 390	31.82	14.92
Manganese	(t)			0	1 194	1 133	.	-5.11
Molybdenum	(t)	18 140	17 018	20 153	25 757	28 141	55.13	9.26
Tungsten	(t)	28	61	110	154	0	-100.00	-100.00
Antimony	(t)	500	244	250	0	0	-100.00	.
Bismuth	(t)	588	188	0	188	123	-79.08	-34.57
Cadmium	(t)	695	769	757	820	797	14.68	-2.80
Copper	(t)	1 375 639	1 377 642	1 700 817	2 353 859	2 445 585	77.78	3.90
Indium	(t)	11	14	9	5	5	-54.55	0.00
Lead	(t)	266 472	277 294	315 525	314 422	306 784	15.13	-2.43
Selenium	(t)	50	40	40	45	50	0.00	11.11
Tellurium	(t)	22	9	0	0	0	-100.00	.
Tin	(t)	23 668	23 105	19 511	18 789	17 790	-24.84	-5.32
Zinc	(t)	1 351 273	1 315 475	1 421 218	1 337 081	1 473 073	9.01	10.17
Gold	(kg)	151 486	140 097	146 823	153 006	151 964	0.32	-0.68
Silver	(kg)	3 674 283	3 768 147	4 101 568	4 375 337	4 417 987	20.24	0.97
Baryte	(t)	52 491	106 071	28 407	7 953	9 182	-82.51	15.45
Bentonite	(t)	47 744	37 375	21 341	19 410	756	-98.42	-96.11
Boron	(t)	224 454	239 725	578 910	33 792	0	-100.00	-100.00
Diatomite	(t)	124 917	151 398	120 672	107 265	96 590	-22.68	-9.95
Feldspar	(t)	22 695	18 019	16 979	16 630	14 930	-34.21	-10.22

Gypsum	(t)	297 727	543 856	438 025	257 423	286 657	-3.72	11.36
Kaolin	(t)	32 249	19 964	43 251	19 098	17 700	-45.11	-7.32
Phosphates	(t)	5 640 080	4 136 020	4 241 420	4 013 220	3 211 140	-43.07	-19.99
Salt	(t)	1 205 435	1 175 157	1 471 131	1 450 415	1 481 398	22.89	2.14
Sulfur	(t)	561 900	533 800	565 500	551 100	536 200	-4.57	-2.70
Talc	(t)	64 577	46 706	52 990	29 379	42 123	-34.77	43.38
Steam Coal	(t)	211 885	229 213	251 788	268 883	301 446	42.27	12.11
Nat. Gas (Mio m3)		12 192	12 924	12 495	14 001	12 942	6.15	-7.56
Petroleum	(t)	8 339 900	8 599 600	7 438 300	6 744 300	6 688 300	-19.80	-0.83
Total	(t)	34 163 415	34 082 831	33 725 503	33 987 430	33 306 463		

Philippines

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	634 000	92 300	64 300	10 300	0	-100.00	-100.00
Chromium	(t)	14 110	18 820	6 200	10 300	8 340	-40.89	-19.03
Cobalt	(t)	2 126	4 094	3 900	3 500	3 700	74.04	5.71
Nickel	(t)	313 050	443 909	466 754	348 877	365 981	16.91	4.90
Copper	(t)	90 861	91 922	83 835	83 649	68 156	-24.99	-18.52
Selenium	(t)	70	70	70	90	100	42.86	11.11
Zinc	(t)	16 730	0	0	0	0	-100.00	.
Gold	(kg)	17 248	18 423	20 643	23 053	22 699	31.60	-1.54
Silver	(kg)	40 043	23 005	29 780	35 186	31 748	-20.72	-9.77
Bentonite	(t)	3 330	3 370	3 480	3 230	3 300	-0.90	2.17
Feldspar	(t)	30 388	34 232	38 067	46 630	47 000	54.67	0.79
Kaolin	(t)	6 568	7 050	8 179	10 059	10 000	52.25	-0.59
Magnesite	(t)	5 998	6 200	7 158	10 310	10 000	66.72	-3.01
Perlite	(t)	14 249	17 134	35 675	38 745	39 000	173.70	0.66
Phosphates	(t)	3 887	4 340	5 930	8 690	8 600	121.25	-1.04
Salt	(t)	992 640	1 050 000	1 000 000	1 238 610	1 250 000	25.93	0.92
Sulfur	(t)	25 500	84 800	1 026 400	1 134 400	1 056 400	4 042.75	-6.88
Steam Coal	(t)	7 564 790	8 420 000	8 170 000	11 211 000	11 932 000	57.73	6.43
Nat. Gas (Mio m3)		3 510	3 691	3 470	3 976	3 922	11.74	-1.36
Petroleum	(t)	814 000	988 200	839 700	838 800	750 300	-7.83	-10.55
Total	(t)	13 340 354	14 219 282	14 535 699	18 178 048	18 690 532		

Poland

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nickel	(t)	570	780	840	770	720	26.32	-6.49
Cadmium	(t)	460	628	383	200	130	-71.74	-35.00
Copper	(t)	428 879	421 285	425 870	424 276	419 300	-2.23	-1.17
Lead	(t)	78 980	83 150	49 000	43 060	39 000	-50.62	-9.43
Rhenium	(kg)	5 210	5 335	6 346	6 443	7 564	45.18	17.40
Selenium	(t)	80	90	87	82	74	-7.50	-9.76
Zinc	(t)	77 000	70 000	65 000	61 000	50 000	-35.06	-18.03

Gold	(kg)	431	226	431	402	572	32.71	42.29
Palladium	(kg)	30	25	20	30	7	-76.67	-76.67
Platinum	(kg)	51	40	40	50	11	-78.43	-78.00
Silver	(kg)	1 199 029	1 186 014	1 209 094	1 264 659	1 290 000	7.59	2.00
Bentonite	(t)	1 050	650	450	1 000	0	-100.00	-100.00
Diatomite	(t)	600	590	600	500	500	-16.67	0.00
Feldspar	(t)	513 000	68 910	76 540	88 140	91 200	-82.22	3.47
Gypsum	(t)	1 084 560	1 052 470	1 018 450	1 043 000	1 108 000	2.16	6.23
Kaolin	(t)	2 67 730	2 77 900	2 86 650	2 99 830	2 84 650	6.32	-5.06
Magnesite	(t)	97 000	92 000	96 000	77 920	101 920	5.07	30.80
Salt	(t)	4 056 000	4 265 085	3 468 000	4 079 000	4 660 000	14.89	14.24
Sulfur	(t)	833 900	629 620	651 420	645 000	686 210	-17.71	6.39
Steam Coal	(t)	64 601 000	60 252 000	59 191 000	57 181 000	52 999 000	-17.96	-7.31
Coking Coal	(t)	12 116 000	12 288 000	12 985 000	13 204 000	12 380 000	2.18	-6.24
Lignite	(t)	65 849 000	64 002 000	63 135 000	60 273 000	63 060 000	-4.24	4.62
Nat. Gas (Mio m3)		5 886	5 258	5 214	5 073	5 009	-14.90	-1.26
Petroleum	(t)	962 000	918 750	898 870	957 050	939 240	-2.37	-1.86
Total	(t)	155 677 813	148 631 499	146 521 575	142 438 499	140 828 443		

Portugal

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Tungsten	(t)	692	671	474	549	669	-3.32	21.86
Copper	(t)	77 236	75 433	83 081	74 352	63 812	-17.38	-14.18
Lead	(t)	1 496	3 191	3 077	4 126	5 164	245.19	25.16
Lithium	(t)	237	208	204	485	782	229.96	61.24
Tin	(t)	84	75	42	54	81	-3.57	50.00
Zinc	(t)	53 382	67 384	66 871	71 052	71 357	33.67	0.43
Silver	(kg)	40 621	43 172	41 337	38 631	40 186	-1.07	4.03
Feldspar	(t)	70 057	70 865	93 789	132 105	126 211	80.15	-4.46
Gypsum	(t)	299 038	328 730	309 966	255 026	152 059	-49.15	-40.38
Kaolin	(t)	248 008	264 872	251 582	283 571	307 982	24.18	8.61
Salt	(t)	473 095	69 702	30 008	6 092	7 800	-98.35	28.04
Talc	(t)	11 348	14 942	11 204	11 699	13 600	19.84	16.25
Total	(t)	1 234 714	896 116	850 339	839 150	749 557		

Qatar

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	606 000	612 000	610 000	612 000	620 000	2.31	1.31
Sulfur	(t)	2 000 000	2 136 000	2 377 000	2 419 000	2 000 000	0.00	-17.32
Nat. Gas (Mio m3)		163 253	159 994	166 785	168 918	169 087	3.57	0.10
Petroleum	(t)	80 155 000	79 898 000	77 337 000	79 505 000	79 061 000	-1.36	-0.56
Total	(t)	213 363 400	210 641 200	213 752 000	217 670 400	216 950 600		

Romania

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	1 390	4 880	4 200	1 550	5 660	307.19	265.16
Aluminium	(t)	250 157	263 098	271 356	272 507	282 074	12.76	3.51
Copper	(t)	6 700	7 680	7 710	8 390	8 160	21.79	-2.74
Lead	(t)	800	570	200	120	940	17.50	683.33
Zinc	(t)	2 000	3 120	2 900	1 500	770	-61.50	-48.67
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)	24 127	18 583	19 355	24 996	28 005	16.07	12.04
Feldspar	(t)	7 060	7 570	13 244	4 501	5 000	-29.18	11.09
Gypsum	(t)	736 100	815 586	888 746	714 273	764 786	3.90	7.07
Kaolin	(t)	32 722	30 638	31 000	31 000	31 000	-5.26	0.00
Salt	(t)	2 397 398	2 058 292	2 180 000	2 100 000	2 340 000	-2.39	11.43
Steam Coal	(t)	47 000	80 000	10 000	0	0	-100.00	.
Lignite	(t)	24 732 000	23 565 000	25 492 000	22 980 000	25 752 300	4.13	12.06
Nat. Gas (Mio m3)		10 854	11 056	11 092	9 811	10 582	-2.51	7.86
Petroleum	(t)	4 131 000	4 052 000	4 003 000	3 801 000	3 635 000	-12.01	-4.37
Uranium	(t)	94	91	91	59	0	-100.00	-100.00
Total	(t)	41 051 767	39 751 927	41 797 421	37 788 715	41 319 314		

Russia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	60 885 000	58 465 000	58 465 000	58 630 000	59 400 000	-2.44	1.31
Chromium	(t)	147 200	214 200	226 400	209 300	234 000	58.97	11.80
Cobalt	(t)	2 368	2 302	2 100	3 092	2 077	-12.29	-32.83
Manganese	(t)	5 000	0	0	0	0	-100.00	.
Molybdenum	(t)	3 605	3 114	3 254	3 359	2 806	-22.16	-16.46
Nickel	(t)	264 000	264 000	261 000	223 000	221 000	-16.29	-0.90
Niobium	(t)	511	581	628	628	648	26.81	3.18
Tantalum	(t)	32	40	32	49	45	40.63	-8.16
Titanium	(t)	75 600	88 800	88 850	18 880	4 000	-94.71	-78.81
Tungsten	(t)	2 973	2 659	2 642	2 672	2 094	-29.57	-21.63
Vanadium	(t)	14 403	15 125	16 196	16 886	18 636	29.39	10.36
Aluminium	(t)	3 724 000	3 488 000	3 529 000	3 561 000	3 583 000	-3.79	0.62
Antimony	(t)	6 520	6 400	7 420	6 620	6 120	-6.13	-7.55
Arsenic	(t)	1 500	1 500	1 500	1 500	1 500	0.00	0.00
Bauxite	(t)	5 634 000	6 056 000	5 661 000	6 095 000	6 100 000	8.27	0.08
Bismuth	(t)	40	40	40	30	30	-25.00	0.00
Cadmium	(t)	900	1 000	1 186	1 100	1 200	33.33	9.09
Copper	(t)	655 000	691 500	711 400	702 300	705 400	7.69	0.44
Gallium	(t)	6	4	4	4	5	-16.67	25.00
Germanium	(t)	5	6	6	6	6	20.00	0.00
Indium	(t)	33	43	40	5	5	-84.85	0.00
Lead	(t)	165 000	196 000	180 000	204 300	199 000	20.61	-2.59
Mercury	(t)	50	50	50	50	50	0.00	0.00
Rare Earths	(t)	1 443	2 134	2 312	3 063	2 500	73.25	-18.38
Rhenium	(kg)	1 500	1 500	1 500	1 500	1 500	0.00	0.00

Selenium	(t)	150	170	180	197	194	29.33	-1.52
Tellurium	(t)	31	33	35	40	44	41.94	10.00
Tin	(t)	156	321	578	627	1 011	548.08	61.24
Zinc	(t)	211 400	193 900	213 800	243 800	258 000	22.04	5.82
Gold	(kg)	214 700	249 065	255 200	253 580	270 300	25.90	6.59
Palladium	(kg)	78 630	80 530	75 710	86 250	83 765	6.53	-2.88
Platinum	(kg)	22 900	21 770	20 839	22 300	21 860	-4.54	-1.97
Rhodium	(kg)	2 488	2 488	2 488	2 644	2 426	-2.49	-8.25
Silver	(kg)	1 427 651	1 433 871	1 580 058	1 449 423	1 306 347	-8.50	-9.87
Asbestos	(t)	811 000	733 068	647 690	713 675	710 250	-12.42	-0.48
Baryte	(t)	170 000	215 000	210 000	434 000	221 000	30.00	-49.08
Bentonite	(t)	450 000	500 000	498 000	589 600	669 700	48.82	13.59
Boron	(t)	76 199	81 234	82 000	80 000	85 000	11.55	6.25
Diam. (Gem)	(ct)	22 731 084	22 982 100	25 147 434	24 431 760	26 168 400	15.12	7.11
Diam. (Ind)	(ct)	15 154 056	15 321 400	16 764 956	16 287 840	17 445 600	15.12	7.11
Feldspar	(t)	221 500	208 000	205 000	278 100	293 300	32.42	5.47
Fluorspar	(t)	56 200	8 200	1 000	3 000	6 000	-89.32	100.00
Graphite	(t)	14 000	15 000	15 900	19 400	25 400	81.43	30.93
Gypsum	(t)	4 223 000	4 419 000	4 223 000	4 200 000	4 400 000	4.19	4.76
Kaolin	(t)	674 000	787 000	786 000	1 064 800	1 173 400	74.09	10.20
Magnesite	(t)	2 117 100	1 969 800	1 709 100	1 188 900	1 397 000	-34.01	17.50
Perlite	(t)	45 000	45 000	45 000	45 000	45 000	0.00	0.00
Phosphates	(t)	4 095 000	4 173 000	4 485 000	4 797 000	4 875 000	19.05	1.63
Potash	(t)	6 048 000	7 260 000	6 840 000	6 480 000	6 900 000	14.09	6.48
Salt	(t)	3 008 000	4 338 000	4 377 000	4 520 000	4 057 000	34.87	-10.24
Sulfur	(t)	6 800 000	7 300 000	6 720 000	6 960 000	7 000 000	2.94	0.57
Talc	(t)	160 000	150 000	150 000	150 000	150 000	-6.25	0.00
Vermiculite	(t)	20 900	21 000	21 000	20 000	20 000	-4.31	0.00
Zircon	(t)	8 504	7 930	8 180	7 704	7 324	-13.88	-4.93
Steam Coal	(t)	204 900 000	211 800 000	215 500 000	226 526 100	246 751 300	20.43	8.93
Coking Coal	(t)	74 400 000	76 300 000	82 900 000	83 800 000	86 200 000	15.86	2.86
Lignite	(t)	73 700 000	68 900 000	73 600 000	73 500 000	74 900 000	1.63	1.90
Nat. Gas (Mio m3)		668 200	641 900	635 500	641 000	691 800	3.53	7.93
Petroleum	(t)	523 300 000	526 650 000	533 551 300	547 306 140	546 742 200	4.48	-0.10
Uranium	(t)	3 697	3 526	3 602	3 543	3 440	-6.95	-2.91
Total	(t)	1 511 664 782	1 499 099 477	1 514 355 369	1 545 416 294	1 610 817 379		

Russia, Asia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	15 221 250	14 616 250	14 616 250	14 657 500	14 850 000	-2.44	1.31
Cobalt	(t)	1 894	1 842	1 680	3 092	2 077	9.66	-32.83
Manganese	(t)	1 000	0	0	0	0	-100.00	.
Molybdenum	(t)	3 605	3 114	3 254	3 359	2 806	-22.16	-16.46
Nickel	(t)	155 760	158 400	135 900	91 760	63 600	-59.17	-30.69
Tungsten	(t)	2 973	2 659	2 642	2 672	2 094	-29.57	-21.63
Aluminium	(t)	3 436 000	3 412 000	3 451 000	3 480 000	3 486 000	1.46	0.17
Antimony	(t)	6 520	6 400	7 420	6 620	6 120	-6.13	-7.55
Arsenic	(t)	1 500	1 500	1 500	1 500	1 500	0.00	0.00
Bismuth	(t)	40	40	40	30	30	-25.00	0.00
Cadmium	(t)	900	1 000	1 186	1 100	1 200	33.33	9.09
Copper	(t)	458 500	484 050	497 980	491 610	493 780	7.69	0.44

Germanium	(t)	5	6	6	6	6	20.00	0.00
Indium	(t)	33	43	40	5	5	-84.85	0.00
Lead	(t)	165 000	196 000	180 000	204 300	199 000	20.61	-2.59
Mercury	(t)	50	50	50	50	50	0.00	0.00
Selenium	(t)	150	170	180	197	194	29.33	-1.52
Tellurium	(t)	31	33	35	40	44	41.94	10.00
Tin	(t)	156	321	578	627	1 011	548.08	61.24
Zinc	(t)	211 400	193 900	213 800	243 800	258 000	22.04	5.82
Gold	(kg)	199 670	231 630	237 340	235 830	251 380	25.90	6.59
Palladium	(kg)	60 780	62 020	54 840	59 780	29 735	-51.08	-50.26
Platinum	(kg)	19 070	17 820	16 671	16 920	9 890	-48.14	-41.55
Rhodium	(kg)	2 488	2 488	2 488	2 644	2 426	-2.49	-8.25
Silver	(kg)	1 427 651	1 433 871	1 580 058	1 449 423	1 306 347	-8.50	-9.87
Asbestos	(t)	405 500	366 534	323 845	310 000	293 330	-27.66	-5.38
Baryte	(t)	153 000	193 500	210 000	434 000	221 000	44.44	-49.08
Bentonite	(t)	315 000	318 000	348 600	416 500	468 800	48.83	12.56
Boron	(t)	76 199	81 234	82 000	80 000	85 000	11.55	6.25
Diam. (Gem)	(ct)	21 767 400	20 744 160	21 786 180	21 085 560	22 183 200	1.91	5.21
Diam. (Ind)	(ct)	14 511 600	13 829 440	14 524 120	14 057 040	14 788 800	1.91	5.21
Feldspar	(t)	132 900	124 800	123 000	270 000	288 900	117.38	7.00
Fluorspar	(t)	56 200	8 200	1 000	3 000	6 000	-89.32	100.00
Talc	(t)	80 000	75 000	75 000	75 000	75 000	-6.25	0.00
Steam Coal	(t)	204 900 000	211 800 000	215 500 000	226 526 100	246 751 300	20.43	8.93
Coking Coal	(t)	74 400 000	76 300 000	82 900 000	83 800 000	86 200 000	15.86	2.86
Lignite	(t)	66 330 000	62 010 000	66 240 000	66 150 000	67 410 000	1.63	1.90
Nat. Gas (Mio m3)		634 790	609 805	603 725	608 950	657 210	3.53	7.93
Petroleum	(t)	345 378 000	347 589 000	352 143 860	361 222 050	360 849 850	4.48	-0.10
Uranium	(t)	3 697	3 526	3 602	3 543	3 440	-6.95	-2.91
Total	(t)	1 219 730 980	1 205 793 327	1 220 046 346	1 245 640 233	1 307 789 743		

Russia, Europe

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	45 663 750	43 848 750	43 848 750	43 972 500	44 550 000	-2.44	1.31
Chromium	(t)	147 200	214 200	226 400	209 300	234 000	58.97	11.80
Cobalt	(t)	474	460	420	0	0	-100.00	.
Manganese	(t)	4 000	0	0	0	0	-100.00	.
Nickel	(t)	108 240	105 600	125 100	131 240	157 400	45.42	19.93
Niobium	(t)	511	581	628	628	648	26.81	3.18
Tantalum	(t)	32	40	32	49	45	40.63	-8.16
Titanium	(t)	75 600	88 800	88 850	18 880	4 000	-94.71	-78.81
Vanadium	(t)	14 403	15 125	16 196	16 886	18 636	29.39	10.36
Aluminium	(t)	288 000	76 000	78 000	81 000	97 000	-66.32	19.75
Bauxite	(t)	5 634 000	6 056 000	5 661 000	6 095 000	6 100 000	8.27	0.08
Copper	(t)	196 500	207 450	213 420	210 690	211 620	7.69	0.44
Gallium	(t)	6	4	4	4	5	-16.67	25.00
Rare Earths	(t)	1 443	2 134	2 312	3 063	2 500	73.25	-18.38
Rhenium	(kg)	1 500	1 500	1 500	1 500	1 500	0.00	0.00
Gold	(kg)	15 030	17 435	17 860	17 750	18 920	25.88	6.59
Palladium	(kg)	17 850	18 510	20 870	26 470	54 030	202.69	104.12
Platinum	(kg)	3 830	3 950	4 168	5 380	11 970	212.53	122.49

Asbestos	(t)	405 500	366 534	323 845	403 675	416 920	2.82	3.28
Baryte	(t)	17 000	21 500	0	0	0	-100.00	.
Bentonite	(t)	135 000	182 000	149 400	173 100	200 900	48.81	16.06
Diam. (Gem)	(ct)	963 684	2 237 940	3 361 254	3 346 200	3 985 200	313.54	19.10
Diam. (Ind)	(ct)	642 456	1 491 960	2 240 836	2 230 800	2 656 800	313.54	19.10
Feldspar	(t)	88 600	83 200	82 000	8 100	4 400	-95.03	-45.68
Graphite	(t)	14 000	15 000	15 900	19 400	25 400	81.43	30.93
Gypsum	(t)	4 223 000	4 419 000	4 223 000	4 200 000	4 400 000	4.19	4.76
Kaolin	(t)	674 000	787 000	786 000	1 064 800	1 173 400	74.09	10.20
Magnesite	(t)	2 117 100	1 969 800	1 709 100	1 188 900	1 397 000	-34.01	17.50
Perlite	(t)	45 000	45 000	45 000	45 000	45 000	0.00	0.00
Phosphates	(t)	4 095 000	4 173 000	4 485 000	4 797 000	4 875 000	19.05	1.63
Potash	(t)	6 048 000	7 260 000	6 840 000	6 480 000	6 900 000	14.09	6.48
Salt	(t)	3 008 000	4 338 000	4 377 000	4 520 000	4 057 000	34.87	-10.24
Sulfur	(t)	6 800 000	7 300 000	6 720 000	6 960 000	7 000 000	2.94	0.57
Talc	(t)	80 000	75 000	75 000	75 000	75 000	-6.25	0.00
Vermiculite	(t)	20 900	21 000	21 000	20 000	20 000	-4.31	0.00
Zircon	(t)	8 504	7 930	8 180	7 704	7 324	-13.88	-4.93
Lignite	(t)	7 370 000	6 890 000	7 360 000	7 350 000	7 490 000	1.63	1.90
Nat. Gas (Mio m3)		33 410	32 095	31 775	32 050	34 590	3.53	7.93
Petroleum	(t)	177 922 000	179 061 000	181 407 440	186 084 090	185 892 350	4.48	-0.10
Total	(t)	291 933 802	293 306 150	294 309 023	299 776 061	303 027 637		

Rwanda

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Niobium	(t)	370	345	248	190	260	-29.73	36.84
Tantalum	(t)	567	530	380	290	395	-30.34	36.21
Tungsten	(t)	1 319	1 288	1 060	1 020	905	-31.39	-11.27
Beryllium	(t)			23	30	30	.	0.00
Tin	(t)	3 524	4 270	2 770	2 560	3 430	-2.67	33.98
Gold	(kg)	0	203	800	1 980	2 000	.	1.01
Total	(t)	5 780	6 433	4 482	4 092	5 022		

Saudi Arabia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	231 800	243 400	241 900	254 200	266 800	15.10	4.96
Aluminium	(t)	187 000	662 000	839 000	871 000	762 068	307.52	-12.51
Bauxite	(t)	1 978 360	2 076 000	3 022 000	4 768 000	5 006 000	153.04	4.99
Copper	(t)	5 440	11 570	12 340	27 840	59 870	1 000.55	115.05
Zinc	(t)	20 360	19 830	19 020	4 230	21 787	7.01	415.06
Gold	(kg)	4 158	4 789	5 089	7 010	10 465	151.68	49.29
Silver	(kg)	4 158	4 888	4 500	4 710	5 133	23.45	8.98
Baryte	(t)	30 000	32 000	0	0	0	-100.00	.
Feldspar	(t)	160 000	168 000	179 000	188 000	197 000	23.13	4.79
Gypsum	(t)	1 700 000	1 780 000	2 780 000	3 000 000	3 150 000	85.29	5.00

Kaolin	(t)	101 000	106 000	187 000	196 000	206 000	103.96	5.10
Magnesite	(t)	63 400	71 000	77 000	100 000	104 132	64.25	4.13
Phosphates	(t)	364 000	382 200	1 020 000	1 080 000	1 134 000	211.54	5.00
Salt	(t)	1 900 000	1 990 000	2 080 000	2 400 000	2 520 000	32.63	5.00
Sulfur	(t)	3 900 000	4 400 000	4 900 000	5 969 900	6 564 200	68.31	9.95
Talc	(t)	6 000	7 000	40 000	42 000	44 000	633.33	4.76
Nat. Gas (Mio m3)		100 030	102 380	104 450	110 860	115 000	14.97	3.73
Petroleum	(t)	538 426 000	543 441 000	567 931 400	586 597 800	561 715 720	4.33	-4.24
Total	(t)	629 097 368	637 294 010	666 888 670	694 186 982	673 751 592		

Senegal

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Manganese	(t)	230	2 120	3 000	0	0	-100.00	.
Titanium	(t)	0	55 950	240 270	238 120	280 320	.	17.72
Gold	(kg)	6 445	6 588	5 779	6 741	7 255	12.57	7.62
Silver	(kg)	850	1 150	540	640	660	-22.35	3.13
Phosphates	(t)	342 120	309 820	589 110	886 500	841 020	145.83	-5.13
Salt	(t)	238 888	249 224	268 176	263 218	265 040	10.95	0.69
Zircon	(t)	0	9 040	45 248	52 627	61 563	.	16.98
Nat. Gas (Mio m3)		41	35	23	21	17	-58.54	-19.05
Petroleum	(t)	15 800	30 100	22 900	3 320	12 960	-17.97	290.36
Total	(t)	629 845	684 262	1 187 111	1 460 593	1 474 511		

Serbia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Copper	(t)	32 609	31 584	31 601	34 625	45 115	38.35	30.30
Lead	(t)	9 130	9 690	13 610	13 610	13 890	52.14	2.06
Selenium	(t)	16	17	17	18	27	68.75	50.00
Zinc	(t)	7 950	8 440	11 700	11 700	11 900	49.69	1.71
Gold	(kg)	1 154	1 310	1 186	805	1 199	3.90	48.94
Palladium	(kg)	25	23	22	23	50	100.00	117.39
Platinum	(kg)	2	3	2	3	3	50.00	0.00
Silver	(kg)	5 800	8 586	7 488	11 345	12 340	112.76	8.77
Kaolin	(t)	70 000	90 000	110 000	110 000	110 000	57.14	0.00
Salt	(t)	13 704	12 994	13 202	9 149	8 197	-40.19	-10.41
Lignite	(t)	39 513 474	29 204 294	37 029 091	38 440 527	39 774 000	0.66	3.47
Nat. Gas (Mio m3)		468	467	432	399	377	-19.44	-5.51
Petroleum	(t)	1 234 000	1 310 000	1 050 000	960 000	921 000	-25.36	-4.06
Total	(t)	41 255 290	31 040 629	38 604 829	39 898 841	41 185 742		

Sierra Leone

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	6 172 710	10 259 610	1 521 830	3 814 410	3 194 930	-48.24	-16.24
Titanium	(t)	133 887	129 040	140 420	156 570	190 480	42.27	21.66
Bauxite	(t)	654 137	1 161 705	1 334 046	1 368 531	1 787 716	173.29	30.63
Gold	(kg)	96	43	106	188	142	47.92	-24.47
Diam. (Gem)	(ct)	308 608	503 942	420 158	417 952	165 894	-46.24	-60.31
Diam. (Ind)	(ct)	296 132	90 426	79 875	131 550	156 664	-47.10	19.09
Zircon	(t)	2 950	2 416	1 389	1 329	3 000	1.69	125.73
Total	(t)	6 963 684	11 552 771	2 997 685	5 340 840	5 176 126		

Slovakia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	163 296	167 667	171 328	173 643	173 492	6.24	-0.09
Copper	(t)	40	46	58	39	32	-20.00	-17.95
Lead	(t)	235	162	226	133	147	-37.45	10.53
Zinc	(t)	190	176	190	126	166	-12.63	31.75
Gold	(kg)	533	582	603	466	447	-16.14	-4.08
Silver	(kg)	508	437	532	391	410	-19.29	4.86
Baryte	(t)	21 000	20 900	20 000	23 000	15 700	-25.24	-31.74
Bentonite	(t)	197 600	214 000	230 000	155 000	209 800	6.17	35.35
Gypsum	(t)	56 000	67 900	65 700	52 300	45 600	-18.57	-12.81
Kaolin	(t)	6 000	5 900	5 900	11 923	13 584	126.40	13.93
Magnesite	(t)	933 200	887 500	878 400	683 400	975 100	4.49	42.68
Perlite	(t)	16 000	17 000	25 000	19 000	20 000	25.00	5.26
Talc	(t)	2 000	3 300	1 400	800	14 000	600.00	1 650.00
Lignite	(t)	2 275 330	2 078 960	1 941 007	1 956 510	1 860 710	-18.22	-4.90
Nat. Gas (Mio m3)		100	91	91	93	90	-10.00	-3.23
Petroleum	(t)	13 310	11 740	12 010	9 490	8 160	-38.69	-14.01
Total	(t)	3 764 203	3 548 052	3 424 021	3 159 764	3 408 491		

Slovenia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	84 035	84 361	83 775	84 365	84 424	0.46	0.07
Bentonite	(t)	143	199	232	182	147	2.80	-19.23
Salt	(t)	3 360	0	2 191	2 417	2 335	-30.51	-3.39

Lignite	(t)	3 721 188	3 108 203	3 168 001	3 348 889	3 355 664	-9.82	0.20
Nat. Gas	(Mio m3)	3	3	3	5	9	200.00	80.00
Petroleum	(t)	412	461	359	379	481	16.75	26.91
Total	(t)	3 811 538	3 195 624	3 256 958	3 440 232	3 450 251		

Solomon Islands

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite	(t)	0	40	278 400	234 500	1 559 200	.	564.90
Gold	(kg)	1 945	531	0	0	0	-100.00	.
Silver	(kg)	735	271	0	0	0	-100.00	.
Total	(t)	3	41	278 400	234 500	1 559 200		

Somalia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	1 500	1 500	0	0	0	-100.00	.
Total	(t)	1 500	1 500	0	0	0		

South Africa

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	46 569 090	52 493 570	47 323 600	43 196 310	48 657 340	4.48	12.64
Chromium	(t)	6 023 450	5 977 600	6 660 500	6 254 600	7 039 300	16.86	12.55
Cobalt	(t)	1 294	1 332	1 362	1 101	1 062	-17.93	-3.54
Manganese	(t)	4 821 140	5 341 400	4 186 600	4 028 100	5 323 500	10.42	32.16
Nickel	(t)	51 208	54 956	56 689	48 994	48 383	-5.52	-1.25
Titanium	(t)	1 130 000	1 195 000	1 050 000	950 000	1 070 000	-5.31	12.63
Vanadium	(t)	21 397	21 582	17 455	15 877	14 222	-33.53	-10.42
Aluminium	(t)	822 000	745 000	695 000	701 000	716 000	-12.90	2.14
Antimony	(t)	2 405	815	302	350	350	-85.45	0.00
Copper	(t)	80 821	78 697	77 360	65 257	65 503	-18.95	0.38
Lead	(t)	41 848	29 348	34 573	39 344	48 150	15.06	22.38
Zinc	(t)	30 145	26 141	29 040	26 695	30 778	2.10	15.29
Gold	(kg)	160 016	151 622	144 504	142 202	137 133	-14.30	-3.56
Palladium	(kg)	76 008	58 410	82 691	76 273	80 132	5.43	5.06
Platinum	(kg)	137 024	93 991	139 125	133 241	131 242	-4.22	-1.50
Rhodium	(kg)	18 129	12 916	18 722	19 237	18 431	1.67	-4.19
Silver	(kg)	68 777	49 220	51 861	55 622	62 536	-9.07	12.43
Bentonite	(t)	177 187	171 119	165 535	148 742	165 141	-6.80	11.03
Diam. (Gem)	(ct)	3 251 483	3 223 527	3 293 220	3 322 220	3 879 220	19.31	16.77
Diam. (Ind)	(ct)	4 877 224	4 835 290	4 939 840	4 983 330	5 818 820	19.31	16.77
Feldspar	(t)	191 443	102 541	130 184	127 872	116 705	-39.04	-8.73

Fluorspar	(t)	157 776	164 054	121 316	177 000	255 000	61.62	44.07
Gypsum	(t)	559 443	376 223	231 688	262 457	320 685	-42.68	22.19
Kaolin	(t)	22 295	27 258	20 126	21 141	31 295	40.37	48.03
Magnesite	(t)	8 219	10 000	10 200	8 800	9 000	9.50	2.27
Perlite	(t)	1 078	1 000	1 000	1 000	1 000	-7.24	0.00
Phosphates	(t)	746 100	703 900	648 300	593 800	727 800	-2.45	22.57
Salt	(t)	477 038	493 798	517 159	473 339	492 844	3.31	4.12
Sulfur	(t)	270 173	277 018	284 381	280 830	256 700	-4.99	-8.59
Talc	(t)	22 303	27 327	21 849	23 576	58 776	163.53	149.30
Vermiculite	(t)	127 658	143 007	138 290	166 483	166 084	30.10	-0.24
Zircon	(t)	224 446	398 101	377 767	377 430	332 650	48.21	-11.86
Steam Coal	(t)	252 928 000	257 016 000	252 177 000	251 567 000	252 691 000	-0.09	0.45
Coking Coal	(t)	3 354 000	3 524 000	3 248 000	3 742 000	4 416 000	31.66	18.01
Nat. Gas (Mio m3)		824	1 061	1 312	807	737	-10.56	-8.67
Petroleum	(t)	80 154	88 803	70 978	38 796	31 145	-61.14	-19.72
Uranium	(t)	626	668	528	450	304	-51.44	-32.44
Total	(t)	319 602 399	330 339 426	319 346 822	313 984 372	323 676 748		

South Sudan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Petroleum	(t)	4 912 400	7 652 300	7 277 200	5 792 100	5 347 200	8.85	-7.68
Total	(t)	4 912 400	7 652 300	7 277 200	5 792 100	5 347 200		

Spain

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nickel	(t)	7 564	8 652	7 208	0	0	-100.00	.
Tungsten	(t)	487	822	835	699	564	15.81	-19.31
Aluminium	(t)	250 000	230 000	360 000	360 000	360 000	44.00	0.00
Copper	(t)	102 977	104 476	129 788	172 522	204 606	98.69	18.60
Lead	(t)	2 160	1 223	1 598	4 900	3 268	51.30	-33.31
Tin	(t)	0	0	0	7	24	.	242.86
Zinc	(t)	30 428	26 756	49 216	76 342	70 451	131.53	-7.72
Gold	(kg)	1 994	1 942	1 825	1 291	1 825	-8.48	41.36
Silver	(kg)	31 000	31 000	27 300	74 740	70 000	125.81	-6.34
Bentonite	(t)	102 726	105 627	100 604	155 038	177 565	72.85	14.53
Diatomite	(t)	53 713	59 619	47 706	48 231	70 550	31.35	46.28
Feldspar	(t)	592 908	533 328	558 273	634 519	595 666	0.47	-6.12
Fluorspar	(t)	96 810	120 582	130 647	130 131	125 870	30.02	-3.27
Gypsum	(t)	7 388 699	6 925 120	7 403 767	8 936 364	9 428 782	27.61	5.51
Kaolin	(t)	410 717	344 414	391 960	347 258	475 074	15.67	36.81
Magnesite	(t)	836 269	679 348	464 691	583 698	788 991	-5.65	35.17
Potash	(t)	711 272	706 664	667 959	672 246	557 468	-21.62	-17.07
Salt	(t)	4 309 839	4 269 637	4 589 545	4 453 041	4 210 768	-2.30	-5.44
Sulfur	(t)	640 000	650 000	520 000	646 600	633 000	-1.09	-2.10

Steam Coal	(t)	2 574 258	2 607 182	1 557 251	1 101 907	1 161 748	-54.87	5.43
Lignite	(t)	1 826 681	1 230 444	1 723 731	730 470	1 833 357	0.37	150.98
Nat. Gas (Mio m3)		62	26	16	8	13	-79.03	62.50
Petroleum	(t)	367 568	305 253	229 568	139 176	118 809	-67.68	-14.63
Total	(t)	20 354 709	18 929 980	18 947 176	19 199 625	20 827 033		

Sri Lanka

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Titanium	(t)	24 810	20 140	23 410	16 510	31 620	27.45	91.52
Feldspar	(t)	96 043	95 000	95 000	96 000	96 000	-0.04	0.00
Graphite	(t)	3 083	3 819	4 212	3 860	3 800	23.26	-1.55
Kaolin	(t)	12 990	12 000	12 000	13 000	13 000	0.08	0.00
Phosphates	(t)	17 190	21 910	18 380	13 600	14 850	-13.61	9.19
Salt	(t)	36 920	102 018	29 243	106 034	74 108	100.73	-30.11
Zircon	(t)	228	1 335	614	7 749	24 486	10 639.47	215.99
Total	(t)	191 264	256 222	182 859	256 753	257 864		

Sudan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	118 790	16 300	0	0	0	-100.00	.
Chromium	(t)	14 820	29 440	7 270	1 850	5 560	-62.48	200.54
Manganese	(t)	1 300	8 000	12 560	3 920	4 000	207.69	2.04
Gold	(kg)	70 000	73 300	82 400	93 000	107 300	53.29	15.38
Silver	(kg)	700	1 000	1 000	1 000	2 000	185.71	100.00
Feldspar	(t)	31 700	50 680	28 238	49 000	60 000	89.27	22.45
Gypsum	(t)	132 000	111 271	24 136	34 924	30 100	-77.20	-13.81
Kaolin	(t)	26 000	50 000	14 490	6 500	5 446	-79.05	-16.22
Salt	(t)	20 800	37 295	20 136	22 340	21 495	3.34	-3.78
Talc	(t)		0	3 000	4 250	4 000	.	-5.88
Petroleum	(t)	6 151 600	3 951 500	3 914 700	4 733 100	4 310 200	-29.93	-8.93
Total	(t)	6 497 081	4 254 560	4 024 613	4 855 978	4 440 910		

Suriname

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite	(t)	2 670 700	2 707 700	1 865 100	0	0	-100.00	.
Gold	(kg)	11 001	10 641	9 397	12 926	25 844	134.92	99.94
Petroleum	(t)	815 700	836 100	842 950	815 700	811 600	-0.50	-0.50
Total	(t)	3 486 411	3 543 811	2 708 059	815 713	811 626		

Swaziland

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	629 280	301 630	0	0	0	-100.00	.
Steam Coal	(t)	257 090	177 930	141 733	158 418	202 277	-21.32	27.69
Total	(t)	886 370	479 560	141 733	158 418	202 277		

Sweden

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	17 462 400	18 035 840	15 886 720	17 216 000	17 408 000	-0.31	1.12
Aluminium	(t)	131 000	113 000	116 000	124 000	123 000	-6.11	-0.81
Copper	(t)	82 904	79 681	75 113	79 247	104 594	26.16	31.98
Lead	(t)	59 556	70 848	79 354	75 830	71 112	19.40	-6.22
Selenium	(t)	40	20	30	60	90	125.00	50.00
Tellurium	(t)	24	31	33	39	35	45.83	-10.26
Zinc	(t)	176 582	221 841	246 983	258 264	251 244	42.28	-2.72
Gold	(kg)	6 530	6 849	6 028	6 463	7 858	20.34	21.58
Silver	(kg)	341 346	382 611	479 686	498 686	467 500	36.96	-6.25
Feldspar	(t)	30 000	27 000	29 000	22 000	22 000	-26.67	0.00
Graphite	(t)		0	295	0	0	.	.
Total	(t)	17 942 854	18 548 651	16 434 014	17 775 945	17 980 551		

Switzerland

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	340 000	340 000	320 000	340 000	340 000	0.00	0.00
Salt	(t)	586 400	434 500	476 941	447 216	448 509	-23.51	0.29
Total	(t)	926 400	774 500	796 941	787 216	788 509		

Syria

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	300 000	200 000	100 000	50 000	20 000	-93.33	-60.00
Phosphates	(t)	270 000	370 000	225 000	100 000	100 000	-62.96	0.00
Salt	(t)	34 000	30 000	30 000	20 000	10 000	-70.59	-50.00
Nat. Gas	(Mio m3)	5 120	4 740	4 160	3 630	3 620	-29.30	-0.28
Petroleum	(t)	2 686 500	1 460 000	1 197 800	1 101 250	1 078 300	-59.86	-2.08
Total	(t)	7 386 500	5 852 000	4 880 800	4 175 250	4 104 300		

Taiwan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	4	5	4	1	4	0.00	300.00
Kaolin	(t)	15 963	1 808	732	4 035	4 000	-74.94	-0.87
Salt	(t)	80 966	81 893	78 300	77 300	77 000	-4.90	-0.39
Sulfur	(t)	192 292	195 280	211 200	195 100	203 000	5.57	4.05
Talc	(t)	362	133	162	250	250	-30.94	0.00
Nat. Gas	(Mio m3)	381	379	374	321	266	-30.18	-17.13
Petroleum	(t)	9 000	7 800	7 900	7 200	4 600	-48.89	-36.11
Total	(t)	603 383	590 114	597 494	540 685	501 650		

Tajikistan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	216 369	121 261	139 123	129 300	103 000	-52.40	-20.34
Antimony	(t)	7 307	11 200	13 460	26 970	26 370	260.89	-2.22
Copper	(t)	600	940	1 390	2 050	6 060	910.00	195.61
Lead	(t)	23 107	32 400	40 130	57 360	61 090	164.38	6.50
Mercury	(t)	130	85	96	120	100	-23.08	-16.67
Zinc	(t)	29 955	42 740	50 400	73 850	92 940	210.27	25.85
Gold	(kg)	2 674	3 436	4 200	5 040	5 500	105.68	9.13
Silver	(kg)	1 833	1 870	2 658	3 200	6 550	257.34	104.69
Gypsum	(t)	15 000	12 455	8 339	8 750	43 066	187.11	392.18
Salt	(t)	31 000	34 553	35 554	35 238	41 323	33.30	17.27
Steam Coal	(t)	518 000	878 131	1 042 491	1 361 575	1 760 090	239.79	29.27
Nat. Gas	(Mio m3)	4	3	4	3	2	-50.00	-33.33
Petroleum	(t)	27 000	24 508	24 630	25 134	23 482	-13.03	-6.57
Total	(t)	871 673	1 160 678	1 358 820	1 722 755	2 159 134		

Tanzania

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bauxite	(t)	39 977	25 641	204	73	12	-99.97	-83.56
Copper	(t)	15 400	16 400	16 800	17 400	15 800	2.60	-9.20
Tin	(t)	170	59	134	104	68	-60.00	-34.62
Gold	(kg)	43 390	40 481	43 861	45 778	43 490	0.23	-5.00
Silver	(kg)	11 720	14 493	15 569	17 984	10 911	-6.90	-39.33
Diam. (Gem)	(ct)	152 688	214 945	184 025	203 915	258 785	69.49	26.91
Diam. (Ind)	(ct)	26 940	37 930	32 475	35 985	45 670	69.52	26.91
Gypsum	(t)	171 567	200 179	239 302	213 744	123 645	-27.93	-42.15
Kaolin	(t)	907	3 809	1 953	656	13 816	1 423.26	2 006.10
Phosphates	(t)	225 060	162 360	49 020	5 200	300	-99.87	-94.23
Salt	(t)	36 032	54 757	168 900	178 200	124 500	245.53	-30.13
Steam Coal	(t)	128 920	246 128	257 321	276 030	563 053	336.75	103.98
Nat. Gas (Mio m3)		1 018	958	1 053	1 368	1 344	32.02	-1.75
Total	(t)	1 432 488	1 475 787	1 576 094	1 785 871	1 916 448		

Thailand

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	241 560	215 710	10 220	0	85	-99.96	.
Manganese	(t)	6 874	6 880	4 320	4 390	3 850	-43.99	-12.30
Tungsten	(t)	130	90	31	29	43	-66.92	48.28
Antimony	(t)	488	706	0	32	0	-100.00	-100.00
Tin	(t)	83	98	45	58	341	310.84	487.93
Zinc	(t)	34 516	45 380	36 210	35 130	1 580	-95.42	-95.50
Gold	(kg)	4 419	4 514	3 305	4 293	0	-100.00	-100.00
Silver	(kg)	32 381	31 046	21 047	35 954	0	-100.00	-100.00
Baryte	(t)	107 437	134 961	170 621	223 101	147 954	37.71	-33.68
Bentonite	(t)	150	0	0	0	0	-100.00	.
Feldspar	(t)	1 072 656	1 413 428	1 331 916	1 167 147	1 385 925	29.20	18.74
Fluorspar	(t)	2 432	4 590	15 095	20 100	5 500	126.15	-72.64
Gypsum	(t)	13 646 725	13 421 918	12 143 168	11 746 811	10 646 644	-21.98	-9.37
Kaolin	(t)	119 512	123 621	102 763	101 618	103 079	-13.75	1.44
Perlite	(t)	14 293	54 100	17 200	15 690	5 800	-59.42	-63.03
Phosphates	(t)	350	500	0	0	2 400	585.71	.
Salt	(t)	1 300 156	1 381 067	1 385 911	1 390 548	1 497 223	15.16	7.67
Talc	(t)	34 700	57 308	52 268	103 926	61 436	77.05	-40.88
Lignite	(t)	18 110 763	17 981 722	15 150 549	16 978 601	16 258 637	-10.23	-4.24
Nat. Gas (Mio m3)		41 799	42 096	39 793	39 037	37 383	-10.56	-4.24
Petroleum	(t)	11 980 493	11 592 740	12 347 720	12 858 470	11 939 690	-0.34	-7.15
Total	(t)	80 112 554	80 111 655	74 602 461	75 875 291	71 966 587		

Togo

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gold	(kg)	21 086	20 583	15 568	14 470	19 960	-5.34	37.94
Diam. (Ind)	(ct)	24	23	0	0	0	-100.00	.
Phosphates	(t)	441 164	394 600	418 100	306 600	266 260	-39.65	-13.16
Total	(t)	441 185	394 621	418 116	306 614	266 280		

Trinidad and Tobago

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Nat. Gas	(Mio m3)	42 841	42 077	39 617	34 418	34 789	-18.80	1.08
Petroleum	(t)	4 039 477	4 046 848	3 917 069	3 560 000	3 576 835	-11.45	0.47
Total	(t)	38 312 277	37 708 448	35 610 669	31 094 400	31 408 035		

Tunisia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	132 100	179 200	153 700	159 500	152 100	15.14	-4.64
Zinc	(t)	7 700	7 400	0	0	0	-100.00	.
Baryte	(t)	5 300	9 800	10 000	10 000	10 000	88.68	0.00
Gypsum	(t)	744 589	771 652	690 000	650 000	800 000	7.44	23.08
Phosphates	(t)	952 200	1 097 400	936 200	1 062 400	1 203 600	26.40	13.29
Salt	(t)	1 293 880	1 124 019	1 280 000	1 130 000	1 200 000	-7.26	6.19
Nat. Gas	(Mio m3)	2 859	2 611	2 529	2 236	2 094	-26.76	-6.35
Petroleum	(t)	3 194 275	2 850 325	2 584 915	2 438 315	2 063 960	-35.39	-15.35
Total	(t)	8 617 244	8 128 596	7 678 015	7 239 015	7 104 860		

Turkey

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	5 239 500	7 251 200	4 734 200	4 353 700	6 095 400	16.34	40.01
Chromium	(t)	1 865 900	1 806 600	1 464 330	1 070 030	1 779 900	-4.61	66.34
Manganese	(t)	68 800	52 500	30 500	16 400	27 300	-60.32	66.46
Molybdenum	(t)	620	0	1 335	0	900	45.16	.
Nickel	(t)	1 080	3 030	8 640	9 340	14 770	1 267.59	58.14
Titanium	(t)	4 750	4 750	4 750	4 750	6 370	34.11	34.11
Aluminium	(t)	42 200	30 400	45 900	50 000	82 000	94.31	64.00
Antimony	(t)	4 180	3 070	1 950	2 750	4 840	15.79	76.00
Bauxite	(t)	795 562	1 091 442	1 050 000	989 156	1 719 144	116.09	73.80

Copper	(t)	120 500	96 300	108 000	107 300	85 200	-29.29	-20.60
Lead	(t)	65 630	94 900	75 900	64 300	74 990	14.26	16.63
Zinc	(t)	200 000	211 500	173 600	201 500	365 000	82.50	81.14
Gold	(kg)	33 980	31 260	27 800	24 030	23 090	-32.05	-3.91
Silver	(kg)	189 600	183 880	190 550	174 180	151 490	-20.10	-13.03
Baryte	(t)	736 316	203 984	655 943	321 239	292 447	-60.28	-8.96
Bentonite	(t)	731 936	1 098 817	3 134 911	1 744 912	1 481 617	102.42	-15.09
Boron	(t)	2 000 000	1 870 000	1 840 000	1 831 000	2 025 000	1.25	10.60
Diatomite	(t)	84 571	61 884	86 656	61 722	169 584	100.52	174.75
Feldspar	(t)	13 764 126	7 960 844	10 422 766	9 475 819	10 273 573	-25.36	8.42
Fluorspar	(t)	3 874	4 271	6 238	10 339	20 150	420.13	94.89
Graphite	(t)	28 740	3 850	0	0	4 000	-86.08	.
Gypsum	(t)	9 790 097	9 051 158	8 638 715	10 124 221	10 223 112	4.42	0.98
Kaolin	(t)	1 168 441	2 032 103	1 887 302	1 283 260	1 362 799	16.63	6.20
Magnesite	(t)	2 597 465	2 377 157	3 335 258	3 258 445	1 694 071	-34.78	-48.01
Perlite	(t)	1 075 949	897 125	843 242	1 066 251	606 231	-43.66	-43.14
Phosphates	(t)	153 000	181 200	214 000	231 800	0	-100.00	-100.00
Salt	(t)	5 613 506	5 331 412	6 257 320	5 328 256	6 644 552	18.37	24.70
Sulfur	(t)	112 700	98 800	78 600	78 000	92 500	-17.92	18.59
Talc	(t)	103 004	114 414	182 362	203 214	474 482	360.64	133.49
Vermiculite	(t)	1 604	716	425	1 050	1 618	0.87	54.10
Zircon	(t)	0	1 100	1 500	500	1 200	.	140.00
Steam Coal	(t)	2 050 000	1 803 000	1 525 000	2 070 000	1 869 000	-8.83	-9.71
Coking Coal	(t)	817 000	861 000	767 000	695 000	675 000	-17.38	-2.88
Lignite	(t)	63 816 100	61 500 000	56 349 700	71 691 000	75 395 000	18.14	5.17
Nat. Gas (Mio m3)		562	502	399	382	364	-35.23	-4.71
Petroleum	(t)	2 398 454	2 455 893	2 515 662	2 571 928	2 551 929	6.40	-0.78
Total	(t)	115 905 429	108 956 235	106 761 124	119 222 980	126 405 053		

Turkmenistan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Bentonite	(t)	50 000	7 387	10 000	10 000	10 000	-80.00	0.00
Salt	(t)	100 000	91 651	100 000	100 000	100 000	0.00	0.00
Sulfur	(t)	300 000	505 905	600 000	400 000	200 000	-33.33	-50.00
Nat. Gas (Mio m3)		62 350	72 739	71 900	66 940	62 030	-0.51	-7.33
Petroleum	(t)	11 384 500	11 588 800	12 723 740	12 297 080	12 447 590	9.34	1.22
Total	(t)	61 714 500	70 384 943	70 953 740	66 359 080	62 381 590		

Uganda

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	1 369	25 175	5 400	1 280	1 390	1.53	8.59
Cobalt	(t)	181	0	0	0	0	-100.00	.
Niobium	(t)			0	4	3	.	-25.00
Tungsten	(t)	57	63	36	41	62	8.77	51.22
Tin	(t)	19	33	135	62	66	247.37	6.45

Gold	(kg)	5	24	13	11	4	-20.00	-63.64
Kaolin	(t)	43 875	46 286	40 774	45 909	55 317	26.08	20.49
Vermiculite	(t)	2 296	2 661	1 213	3 295	4 119	79.40	25.01
Total	(t)	47 797	74 218	47 558	50 591	60 957		

Ukraine

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	45 056 000	43 712 000	42 817 200	40 240 600	38 767 600	-13.96	-3.66
Manganese	(t)	474 500	565 800	546 600	491 500	650 500	37.09	32.35
Titanium	(t)	443 100	391 150	375 480	339 800	430 800	-2.78	26.78
Gallium	(t)	11	10	9	9	9	-18.18	0.00
Germanium	(t)	1	1	1	1	1	0.00	0.00
Bentonite	(t)	220 000	220 000	220 000	200 000	113 200	-48.55	-43.40
Feldspar	(t)	133 933	94 506	44 460	33 627	35 000	-73.87	4.08
Graphite	(t)	7 000	8 000	10 000	12 000	13 000	85.71	8.33
Gypsum	(t)	2 175 400	1 525 300	1 254 900	1 303 000	1 528 900	-29.72	17.34
Kaolin	(t)	1 179 380	1 426 447	1 814 786	2 335 004	2 379 636	101.77	1.91
Salt	(t)	5 796 287	2 497 706	2 136 500	1 783 530	1 815 684	-68.68	1.80
Sulfur	(t)	120 000	120 000	120 000	120 000	130 000	8.33	8.33
Zircon	(t)	41 000	35 000	30 000	29 280	26 500	-35.37	-9.49
Steam Coal	(t)	44 764 000	33 634 000	23 852 700	25 121 500	18 932 900	-57.71	-24.63
Coking Coal	(t)	19 663 000	12 297 000	6 063 900	6 508 800	5 233 900	-73.38	-19.59
Nat. Gas (Mio m3)		21 300	20 100	19 900	20 052	20 510	-3.71	2.28
Petroleum	(t)	3 100 000	2 762 000	2 533 300	2 272 100	2 169 900	-30.00	-4.50
Uranium	(t)	1 087	1 092	1 156	1 185	986	-9.29	-16.79
Total	(t)	140 214 699	115 370 012	97 740 992	96 833 536	88 636 516		

United Arab Emirates

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Aluminium	(t)	1 845 000	2 296 000	2 397 000	2 471 000	2 533 000	37.29	2.51
Sulfur	(t)	2 100 000	2 300 000	4 540 000	4 800 000	4 600 000	119.05	-4.17
Nat. Gas (Mio m3)		54 600	54 240	58 680	59 560	60 450	10.71	1.49
Petroleum	(t)	165 102 700	166 197 200	174 982 830	181 607 920	176 318 690	6.79	-2.91
Total	(t)	212 727 700	214 185 200	228 863 830	236 526 920	231 811 690		

United Kingdom

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Tungsten	(t)		0	155	732	1 086	.	48.36
Aluminium	(t)	45 000	41 000	48 000	46 000	48 000	6.67	4.35
Lead	(t)	36	0	0	100	100	177.78	0.00
Tin	(t)		0	16	144	255	.	77.08
Gold	(kg)	42	0	0	0	0	-100.00	.
Silver	(kg)	82	0	0	0	0	-100.00	.
Baryte	(t)	30 000	44 000	50 000	56 000	56 000	86.67	0.00
Fluorspar	(t)	16 000	25 000	17 000	12 000	12 000	-25.00	0.00
Gypsum	(t)	1 200 000	1 200 000	1 200 000	1 200 000	1 200 000	0.00	0.00
Kaolin	(t)	1 110 000	1 090 000	1 014 000	940 000	750 230	-32.41	-20.19
Potash	(t)	580 000	600 000	610 000	460 000	227 000	-60.86	-50.65
Salt	(t)	6 930 000	4 690 000	4 600 000	4 500 000	4 500 000	-35.06	0.00
Sulfur	(t)	313 000	134 000	135 000	133 000	130 000	-58.47	-2.26
Talc	(t)	2 947	4 907	5 430	2 997	3 000	1.80	0.10
Steam Coal	(t)	12 493 000	11 549 000	8 526 000	4 124 800	3 002 400	-75.97	-27.21
Coking Coal	(t)	179 000	99 000	72 000	53 000	38 660	-78.40	-27.06
Nat. Gas (Mio m3)		37 308	37 680	40 466	41 607	42 094	12.83	1.17
Petroleum	(t)	41 100 800	40 327 750	45 698 100	47 872 100	46 915 800	14.15	-2.00
Total	(t)	93 846 183	89 948 657	94 348 501	92 686 473	90 559 731		

United States

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	33 264 000	35 343 000	29 043 000	26 334 000	29 988 000	-9.85	13.88
Cobalt	(t)	0	120	760	690	640	.	-7.25
Molybdenum	(t)	61 000	68 200	47 400	35 800	44 600	-26.89	24.58
Nickel	(t)	0	4 300	27 200	24 100	22 100	.	-8.30
Titanium	(t)	155 000	142 000	110 000	55 000	66 000	-57.42	20.00
Vanadium	(t)	591	0	0	0	0	-100.00	.
Aluminium	(t)	1 947 854	1 709 668	1 586 518	818 430	740 884	-61.96	-9.47
Bauxite	(t)	122 700	133 300	483 700	272 900	352 100	186.96	29.02
Beryllium	(t)	5 910	6 900	5 100	3 870	3 700	-37.39	-4.39
Cadmium	(t)	600	550	500	400	400	-33.33	0.00
Copper	(t)	1 278 200	1 360 000	1 380 000	1 430 000	1 260 000	-1.42	-11.89
Germanium	(t)	3	3	3	3	2	-33.33	-33.33
Lead	(t)	339 000	378 000	370 000	346 000	313 000	-7.67	-9.54
Lithium	(t)	1 870	2 150	1 820	1 800	1 420	-24.06	-21.11
Mercury	(t)	15	15	15	15	15	0.00	0.00
Rare Earths	(t)	3 473	4 769	3 678	0	0	-100.00	.
Rhenium	(kg)	7 110	8 510	7 900	8 440	8 500	19.55	0.71
Tellurium	(t)	50	50	50	50	50	0.00	0.00
Zinc	(t)	784 400	830 800	824 700	804 800	773 800	-1.35	-3.85

Gold	(kg)	229 703	210 077	213 808	228 267	236 778	3.08	3.73
Palladium	(kg)	12 572	12 448	12 532	13 070	12 400	-1.37	-5.13
Platinum	(kg)	3 723	3 655	3 667	3 891	3 600	-3.30	-7.48
Rhodium	(kg)	100	124	96	103	100	0.00	-2.91
Silver	(kg)	1 037 000	1 183 900	1 090 000	1 153 000	1 018 000	-1.83	-11.71
Baryte	(t)	723 000	663 000	439 000	240 000	250 000	-65.42	4.17
Bentonite	(t)	4 350 000	4 800 000	4 010 000	3 600 000	3 700 000	-14.94	2.78
Boron	(t)	1 032 000	1 118 000	1 218 000	1 134 000	1 075 000	4.17	-5.20
Diatomite	(t)	782 000	901 000	832 000	686 000	700 000	-10.49	2.04
Feldspar	(t)	550 000	530 000	520 000	470 000	530 000	-3.64	12.77
Gypsum	(t)	15 700 000	16 200 000	16 600 000	17 000 000	17 500 000	11.46	2.94
Kaolin	(t)	6 140 000	6 250 000	6 030 000	5 170 000	5 500 000	-10.42	6.38
Perlite	(t)	471 000	462 000	488 000	513 000	520 000	10.40	1.36
Phosphates	(t)	8 930 000	7 110 000	7 710 000	7 615 000	7 784 000	-12.83	2.22
Potash	(t)	960 000	850 000	740 000	500 000	480 000	-50.00	-4.00
Salt	(t)	39 900 000	45 300 000	45 100 000	42 000 000	43 000 000	7.77	2.38
Sulfur	(t)	9 210 000	9 640 000	9 540 000	9 740 000	9 660 000	4.89	-0.82
Talc	(t)	542 000	609 987	615 000	536 000	550 000	1.48	2.61
Vermiculite	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Zircon	(t)	78 000	65 000	60 000	50 000	45 000	-42.31	-10.00
Steam Coal	(t)	743 730 000	760 930 000	689 985 000	543 539 000	572 577 000	-23.01	5.34
Coking Coal	(t)	77 857 000	72 717 000	57 521 000	50 136 000	65 427 000	-15.97	30.50
Lignite	(t)	70 061 900	72 110 700	64 281 500	64 692 400	61 394 500	-12.37	-5.10
Nat. Gas (Mio m3)		685 430	733 120	766 410	753 010	772 810	12.75	2.63
Petroleum	(t)	446 955 940	522 513 040	565 287 940	543 068 290	571 034 890	27.76	5.15
Uranium	(t)	2 113	2 219	1 516	1 323	1 108	-47.56	-16.25
Total	(t)	2 014 384 910	2 149 353 190	2 118 092 729	1 923 328 277	2 013 644 488		

Uruguay

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	9 978	15 050	11 520	1 040	1 010	-89.88	-2.88
Gold	(kg)	2 038	1 719	1 413	999	1 055	-48.23	5.61
Bentonite	(t)	8 974	7 800	4 252	6 650	6 640	-26.01	-0.15
Feldspar	(t)	4	300	200	460	370	9 150.00	-19.57
Talc	(t)	708	360	585	290	100	-85.88	-65.52
Total	(t)	19 666	23 512	16 558	8 441	8 121		

Uzbekistan

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Molybdenum	(t)	490	450	570	620	700	42.86	12.90
Tungsten	(t)	98	83	110	80	103	5.10	28.75
Bismuth	(t)	2	2	2	0	0	-100.00	.
Cadmium	(t)	0	60	707	290	306	.	5.52
Copper	(t)	98 000	99 500	100 000	100 000	100 000	2.04	0.00

Lead	(t)	3 000	3 000	3 000	2 000	2 000	-33.33	0.00
Rhenium	(kg)	900	900	1 000	1 000	1 000	11.11	0.00
Selenium	(t)	20	20	20	10	50	150.00	400.00
Zinc	(t)	8 000	8 000	8 000	12 000	20 000	150.00	66.67
Gold	(kg)	98 000	102 000	103 000	100 000	100 000	2.04	0.00
Silver	(kg)	59 000	53 000	50 000	50 000	50 000	-15.25	0.00
Kaolin	(t)	70 286	64 605	196 350	323 680	269 906	284.01	-16.61
Phosphates	(t)	155 000	136 510	166 800	170 000	170 000	9.68	0.00
Potash	(t)	84 600	96 360	103 000	83 000	85 000	0.47	2.41
Steam Coal	(t)	56 000	407 249	412 000	160 000	160 000	185.71	0.00
Lignite	(t)	4 034 000	3 989 586	3 988 000	3 717 400	3 878 670	-3.85	4.34
Nat. Gas (Mio m3)		59 630	61 740	62 196	56 136	56 417	-5.39	0.50
Petroleum	(t)	3 146 000	2 961 000	2 750 000	2 538 000	2 437 000	-22.54	-3.98
Uranium	(t)	3 909	4 010	4 100	4 090	4 000	2.33	-2.20
Total	(t)	55 363 563	57 162 591	57 489 613	52 020 121	52 261 486		

Venezuela

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	7 278 800	7 318 100	7 615 100	5 070 000	4 615 000	-36.60	-8.97
Nickel	(t)	5 800	3 599	3 707	0	0	-100.00	.
Aluminium	(t)	171 200	138 400	119 511	145 000	136 000	-20.56	-6.21
Bauxite	(t)	2 341 155	2 346 160	991 810	340 000	242 000	-89.66	-28.82
Gold	(kg)	1 675	1 056	558	800	8 100	383.58	912.50
Feldspar	(t)	91 054	93 934	75 527	75 000	75 000	-17.63	0.00
Kaolin	(t)	2 793	0	0	0	0	-100.00	.
Phosphates	(t)	29 780	10 030	7 370	5 000	5 000	-83.21	0.00
Salt	(t)	508 000	610 000	642 000	640 000	600 000	18.11	-6.25
Sulfur	(t)	800 000	800 000	700 000	700 000	700 000	-12.50	0.00
Steam Coal	(t)	1 229 309	800 640	801 697	749 000	450 000	-63.39	-39.92
Nat. Gas (Mio m3)		30 590	31 790	36 070	38 040	37 440	22.39	-1.58
Oil Sands [*]	(t)	29 880 000	30 100 000	29 980 000	29 000 000	25 000 000	-16.33	-13.79
Petroleum	(t)	137 781 400	138 510 300	135 364 100	123 118 900	108 297 200	-21.40	-12.04
Total	(t)	174 711 293	176 063 164	175 176 823	161 274 901	145 072 208		

^{*}Oil Sands as part of Petroleum

Vietnam

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Iron	(t)	1 497 180	1 631 400	1 614 600	1 833 600	3 044 400	103.34	66.03
Chromium	(t)	800	1 600	0	0	0	-100.00	.
Cobalt	(t)	0	223	277	134	0	.	-100.00
Manganese	(t)	51 600	50 000	50 000	29 000	28 650	-44.48	-1.21

Nickel	(t)	1 166	6 854	8 607	4 272	0	-100.00	-100.00
Titanium	(t)	533 420	290 160	123 600	109 620	117 000	-78.07	6.73
Tungsten	(t)	1 660	3 510	4 063	5 041	5 141	209.70	1.98
Antimony	(t)	990	1 098	220	230	245	-75.25	6.52
Bauxite	(t)	482 000	1 090 000	1 436 500	1 606 100	2 565 000	432.16	59.70
Bismuth	(t)	0	2 324	3 000	2 013	2 450	.	21.71
Copper	(t)	14 188	21 762	24 420	22 300	21 100	48.72	-5.38
Lead	(t)	1 900	2 800	1 900	800	4 500	136.84	462.50
Tin	(t)	5 129	4 833	4 530	4 579	4 500	-12.26	-1.73
Zinc	(t)	20 000	17 000	15 000	12 000	12 000	-40.00	0.00
Gold	(kg)	2 066	687	539	584	557	-73.04	-4.62
Baryte	(t)	90 000	112 000	140 000	80 000	70 000	-22.22	-12.50
Fluorspar	(t)	15 919	95 494	214 000	218 878	234 420	1 372.58	7.10
Gypsum	(t)	5 000	0	0	0	0	-100.00	.
Kaolin	(t)	650 000	100 000	100 000	100 000	100 000	-84.62	0.00
Phosphates	(t)	796 830	741 270	877 020	942 750	971 670	21.94	3.07
Salt	(t)	718 700	905 600	1 061 000	982 000	854 300	18.87	-13.00
Zircon	(t)	26 000	15 730	8 000	9 300	5 500	-78.85	-40.86
Steam Coal	(t)	41 064 000	41 086 000	41 664 000	38 735 000	38 237 000	-6.88	-1.29
Nat. Gas (Mio m3)		9 751	10 210	10 660	10 610	9 866	1.18	-7.01
Petroleum	(t)	16 705 000	17 392 000	18 746 000	17 230 000	15 518 000	-7.11	-9.94
Total	(t)	70 482 284	71 739 659	74 624 738	70 415 618	69 688 677		

Yemen

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Gypsum	(t)	120 000	100 000	100 000	100 000	50 000	-58.33	-50.00
Salt	(t)	85 000	85 000	70 000	50 000	50 000	-41.18	0.00
Nat. Gas (Mio m3)		9 544	9 741	2 850	500	500	-94.76	0.00
Petroleum	(t)	9 387 600	7 582 000	1 520 000	933 000	1 854 000	-80.25	98.71
Total	(t)	17 227 800	15 559 800	3 970 000	1 483 000	2 354 000		

Zambia

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Cobalt	(t)	5 658	4 562	2 979	5 276	3 240	-42.74	-38.59
Manganese	(t)	21 760	22 000	5 000	27 500	50 000	129.78	81.82
Beryllium	(t)	4	4	7	5	4	0.00	-20.00
Copper	(t)	763 805	708 259	711 515	774 290	797 266	4.38	2.97
Gold	(kg)	5 207	4 803	4 238	4 610	4 373	-16.02	-5.14
Sulfur	(t)	310 000	300 000	300 000	363 000	679 500	119.19	87.19
Steam Coal	(t)	415 233	159 151	103 439	126 050	70 808	-82.95	-43.83
Total	(t)	1 516 465	1 193 981	1 122 944	1 296 126	1 600 822		

Zimbabwe

		2013	2014	2015	2016	2017	Change 13/17	Change 16/17
Chromium	(t)	159 814	183 790	93 750	128 220	309 980	93.96	141.76
Cobalt	(t)	319	358	355	409	445	39.50	8.80
Nickel	(t)	12 962	16 633	16 109	17 743	16 617	28.20	-6.35
Copper	(t)	8 285	8 261	8 218	9 101	8 839	6.69	-2.88
Lithium	(t)	1 680	1 630	1 405	2 030	1 750	4.17	-13.79
Gold	(kg)	14 001	15 386	20 023	22 747	23 929	70.91	5.20
Palladium	(kg)	10 153	10 138	10 055	12 222	11 822	16.44	-3.27
Platinum	(kg)	13 065	12 483	12 564	15 110	14 257	9.12	-5.65
Rhodium	(kg)	1 146	1 140	1 128	1 322	1 283	11.95	-2.95
Asbestos	(t)	377	0	0	0	0	-100.00	.
Diam. (Gem)	(ct)	3 123 545	1 431 491	1 008 000	639 920	752 360	-75.91	17.57
Diam. (Ind)	(ct)	7 288 273	3 340 146	2 352 000	1 493 140	1 755 500	-75.91	17.57
Graphite	(t)	6 934	6 853	6 362	5 622	1 577	-77.26	-71.95
Vermiculite	(t)	28 808	30 740	30 868	29 312	23 302	-19.11	-20.50
Steam Coal	(t)	2 598 000	5 341 000	3 886 000	1 185 000	2 462 000	-5.23	107.76
Coking Coal	(t)	516 000	442 000	450 000	451 000	466 000	-9.69	3.33
Total	(t)	3 333 219	6 031 304	4 493 112	1 828 488	3 290 561		

Federal Ministry for Sustainability and Tourism
Stubenring 1, 1010 Vienna, Austria
bmnt.gv.at