



World Mining Data 2022

Iron and Ferro-Alloy Metals

Non-Ferrous Metals

Precious Metals

Industrial Minerals

Mineral Fuels



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Preface



Elisabeth Köstinger
Federal Minister

Raw materials are the backbone 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. Although the geological availability of minerals is relatively high, occurring disruptions can lead to a shortfall of mineral resources. Smouldering geopolitical crises, the war in the Ukraine and the persistent pandemic relentlessly demonstrates our vulnerability in a globalized world with complex dependencies and widely ramified value chains.

Raw materials are necessary to secure our future viability and to solve the grand challenges in the fields of climate and energy, health, nutrition, mobility, digitalisation and security. To foster the security of supply of mineral raw materials, fair trade, innovative solutions along the entire value chain and the incorporation of circular economy are unavoidable. Additionally, domestic production boosts our independence and strategic autonomy. A holistic and cross-policy approach is needed to meet the major challenges.

Fact-based knowledge of mineral production, market concentrations and production trends are the basis of foresighted policy and decision-making. This can help to identify potential short or medium-term supply risks. I am delighted that the annual publication "World Mining Data" has served as a valuable basis for commodity forecasts of renowned national and international institutions for 37 years. In this way, the Austrian Federal Ministry of Agriculture, Regions and Tourism provides an important contribution to international resource policy.

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

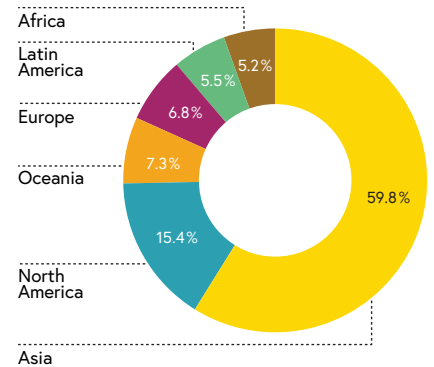
Elisabeth Köstinger

Federal Minister of Agriculture, Regions and Tourism

Minerals – Backbone of the economy

Major developments in global mining production based on World Mining Data 2022

Total production 2020 by continents



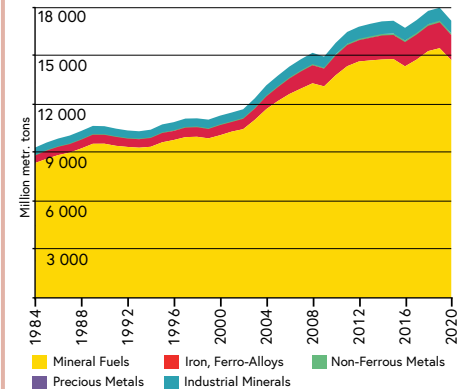
World mining production

2020
17.2 Billion metric tons

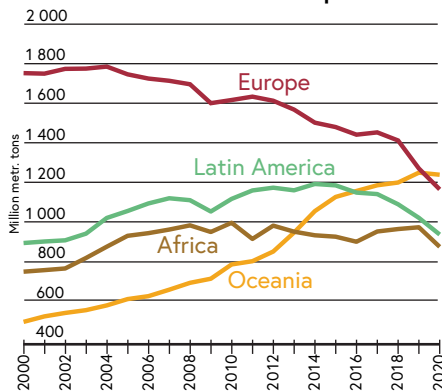
2000
11.3 Billion metric tons

1985
9.6 Billion metric tons

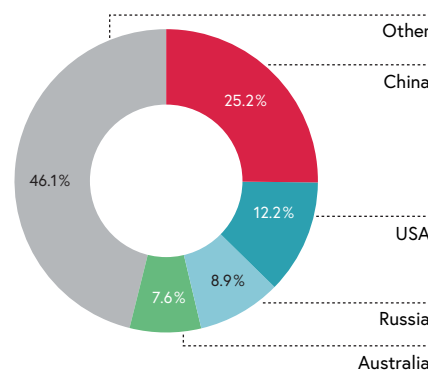
Total mining production 1984 – 2020



Minerals production: Oceania surpassed Latin America in 2016 and Europe in 2020



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



Iron and Ferro-Alloy Metals

Ratio of Iron Ore to all other Ferro-Alloy Metals

97.3% to 2.7%

Growth rate of Iron Ore production 2000/2020 (2016/2020)

151.3% (3.8%)

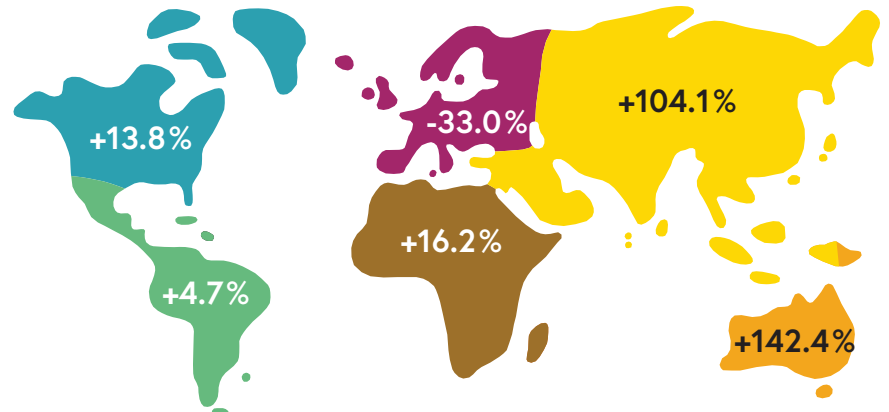
Growth rate of Chromium production 2000/2020 (2016/2020)

87.7% (-6.7%)

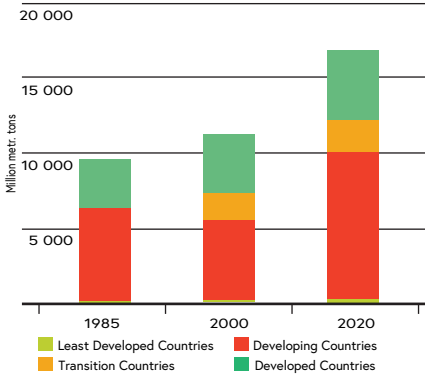
China is world's largest producer of 31 different commodities:

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

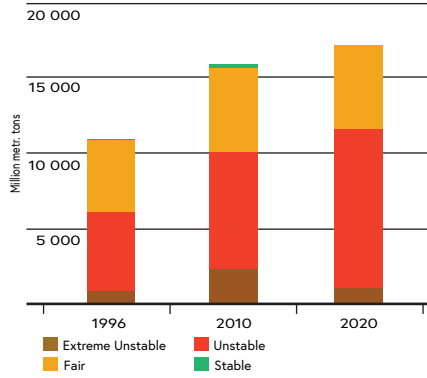
Δ 2000/2020 - declining production rates since 2000 only in Europe



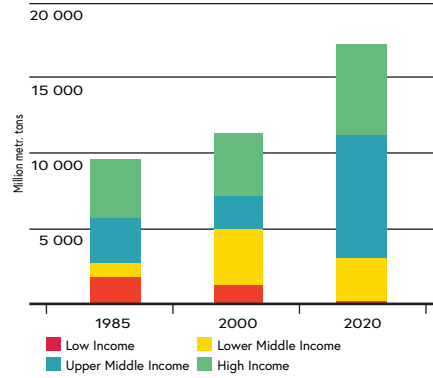
Development status of producer countries



Political stability of producer countries



Per capita income in USD – Mineral production contributes to wealth



Non-Ferrous Metals

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

99.1% to 0.9%

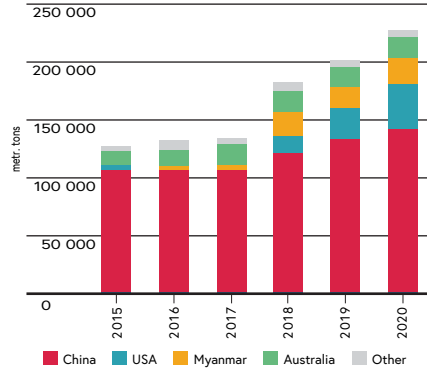
Growth rate of Non-Ferrous Metals production 2000/2020 (2016/2020)

108.8% (7.8%)

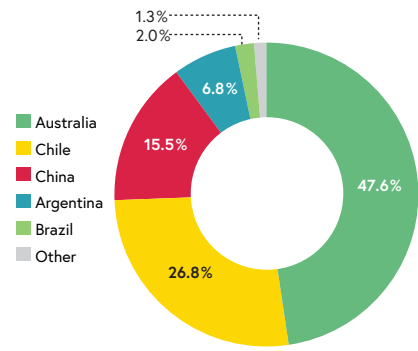
Growth rate of Aluminium production 2000/2020 (2016/2020)

165.6% (11.7%)

Strong increase in Rare Earth Minerals production (REO-Content)



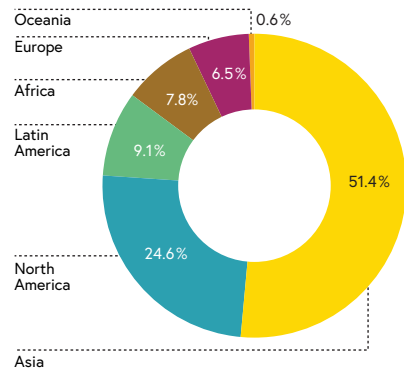
Largest 5 producer countries share 98.7% of Lithium production



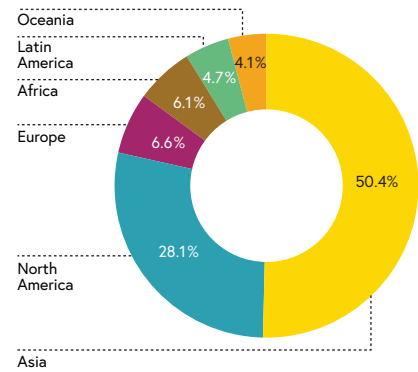
Big changes

	Δ 2000/2020	Δ 2016/2020
Lithium	582.2%	122.1%
Gallium	484.6%	56.7%
Rare Earths	176.2%	73.5%
Uranium	35.4%	-24.6%
Rhenium	34.0%	-25.0%
Mercury	60.0%	-44.1%

Total production of Petroleum 2020 by continents



Total production of Natural Gas 2020 by continents



Mineral Fuels: Political stability of producer countries 2020

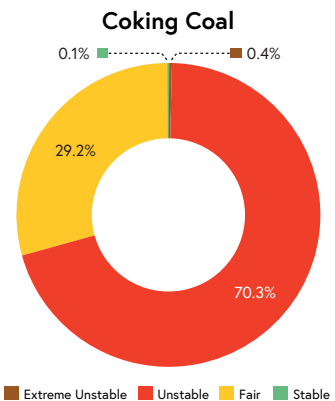
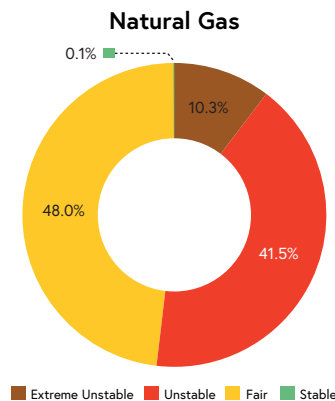
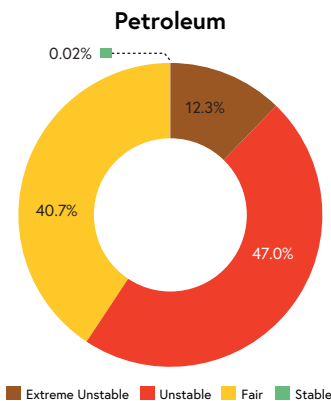


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1 Mineral Raw Materials

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, Phosphate Rock (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, Petroleum (incl. Natural Gas Liquids), 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 for natural gas (approximate method):

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

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

Conversion factor for lignite (metr. t to TCE = tons of coal equivalent):

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

Czech Republic, Albania	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, Algeria, Argentina, Bangladesh, Bhutan, Bolivia, Bosnia-Herzegovina, Botswana, Brazil, Bulgaria, Burundi, Cambodia, Central African Republic, Costa Rica, Cuba, Denmark, Dominican Republic, Egypt, Eswatini, 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, 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 (WNA)
 - e National statistics
 - f Metallgesellschaft (until 1998)
 - m OECD and ECE
 - n Others (Company reports etc.)
 - o Oil & Gas Journal
 - p International Energy Agency (IEA)
 - q International Consultative Group (ICG)
 - r BP plc
 - s British Geological Survey (BGS)

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	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)		ct
Diamonds (Industrial)		ct
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
Phosphate Rock	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	marketed Prod.	Mio m ³
Petroleum (incl. Nat. Gas Liquids)	gross Prod.	metr. t
Oil Sands	gross Prod.	metr. t
Oil Shales		metr. t
Uranium	U ₃ O ₈	metr. t

Commodity Prices:

Sources of annual averages:

- Metal Bulletin
- Industrial Minerals
- BGR-Rohstoffdatenbank, 2021; Bundesanstalt für Geowissenschaften und Rohstoffe, Deutschland
- U.S. Geological Survey
- Kitco Metals Inc.
- Metal-Pages
- Cameco Corporation
- IEA: Coal Information
- U.S. Energy Information Administration / Monthly Energy

4 Regional and Sectoral Groups

4.1 Development Status of Producer Countries

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

Important note: The designations “developed”, “in transition” and “developing” are intended for statistical convenience and do not necessarily express a judgement about the stage reached by a particular country or area in the development process. Where the designations “economy” or “country” 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 developed and 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), 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), 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 <https://www.un.org>

Economies in Transition:

According to UNCTAD HANDBOOK OF STATISTICS (2021)

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

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

4.2 Regional Groups of Producer Countries

CPE: (Centrally Planned Economies)

China, Cuba, Korea North, Mongolia, Vietnam

World Regions: (according to IIASA/UN)

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

CPA - Centrally Planned Asia & China: Cambodia, China, Korea North, Laos, Mongolia, Vietnam

EEU - Eastern Europe: Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Kosovo, North 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, 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, Sudan, Tunisia

NAM - North America: Bermuda, Canada, 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, Phillippines, Singapore, Solomon Islands, Taiwan, 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, Eswatini, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mayotte, Mozambique, Namibia, Niger, Nigeria, Réunion, Rwanda, St. Helena, Sao Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, 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 memberships of various countries in different economic blocks or other cartel-like associations were taken into consideration.

4.3 Economic Blocks or Cartel-like Associations

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

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, Eswatini, 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, 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 (1973-2020)

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)

G7: Group of the Most Important Industrialized Countries

G7 (1976): Canada, Germany, France, Italy, Japan, United Kingdom, United States of America, 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), Colombia (2020), Costa Rica (2021), 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), Eswatini, Lesotho, Madagascar (2005-2009, 2014), Malawi, Mauritius (1995), Mozambique, Namibia (1990), Seychelles (1997-2004, 2008) South Africa (1994), 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.

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: <https://ssrn.com/abstract=1682130>

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

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	-	-	-	≤ 1 940	≤ 2 200	≤ 2 335	≤ 2 465	≤ 2 555	≤ 2 695	≤ 2 785
UM	-	-	-	≤ 6 000	≤ 6 000	≤ 6 000	≤ 7 620	≤ 7 910	≤ 8 355	≤ 8 625
H	-	-	-	> 6 000	> 6 000	> 6 000	>7 620	> 7 910	> 8 355	> 8 625
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
L	≤ 725	≤ 765	≤ 785	≤ 785	≤ 760	≤ 755	≤ 755	≤ 745	≤ 735	≤ 765
LM	≤ 2 895	≤ 3 035	≤ 3 115	≤ 3 125	≤ 3 030	≤ 2 995	≤ 2 995	≤ 2 975	≤ 2 935	≤ 3 035
UM	≤ 8 955	≤ 9 385	≤ 9 645	≤ 9 655	≤ 9 360	≤ 9 265	≤ 9 265	≤ 9 205	≤ 9 075	≤ 9 385
H	> 8 955	> 9 385	> 9 645	> 9 655	> 9 360	> 9 265	> 9 265	>9 205	> 9 075	> 9 385
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
L	≤ 825	≤ 875	≤ 905	≤ 935	≤ 975	≤ 995	≤ 1 005	≤ 1 025	≤ 1 035	≤ 1 045
LM	≤ 3 255	≤ 3 465	≤ 3 595	≤ 3 705	≤ 3 855	≤ 3 945	≤ 3 975	≤ 4 035	≤ 4 085	≤ 4 125
UM	≤ 10 065	≤ 10 725	≤ 11 115	≤ 11 455	≤ 11 905	≤ 12 195	≤ 12 275	≤ 12 475	≤ 12 615	≤ 12 745
H	> 10 065	> 10 725	> 11 115	> 11 455	> 11 905	> 12 195	> 12 275	> 12 475	> 12 615	> 12 745
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
L	≤ 1 045	≤ 1 025	≤ 1 005	≤ 995	≤ 1 025	≤ 1 035	≤ 1 045			
LM	≤ 4 125	≤ 4 035	≤ 3 955	≤ 3 895	≤ 3 995	≤ 4 045	≤ 4 095			
UM	≤ 12 735	≤ 12 475	≤ 12 235	≤ 12 055	≤ 12 375	≤ 12 535	≤ 12 695			
H	> 12 735	> 12 475	> 12 235	> 12 055	> 12 375	> 12 535	> 12 695			

From: World Bank Analytical Classification World Development Indicators GNI per capita in USD: <https://blogs.worldbank.org/team/world-bank-data-team>

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 varies 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

Data collection 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 gathered by the BGS (World Mineral Production) and the USGS have proven very useful for cross-checks.

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 figures have been made.

Although data processing has been done automatically, the possibility of human error at the data entry stage exists. Since the database 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, 2022

Data received later than February 28, 2022 will be implemented in the next edition of this report.

Please send any remarks to:

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World Mining Data is also available on:

<https://www.bmlrt.gv.at/bergbau/mineralrohstoffpolitik/international.html>

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

Disclaimer:

World Mining Data is provided as a public service by the Federal Ministry of Agriculture, Regions and Tourism (BMLRT). The information presented does not necessarily reflect the views of the BMLRT and as such is not an official record.

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

Charts

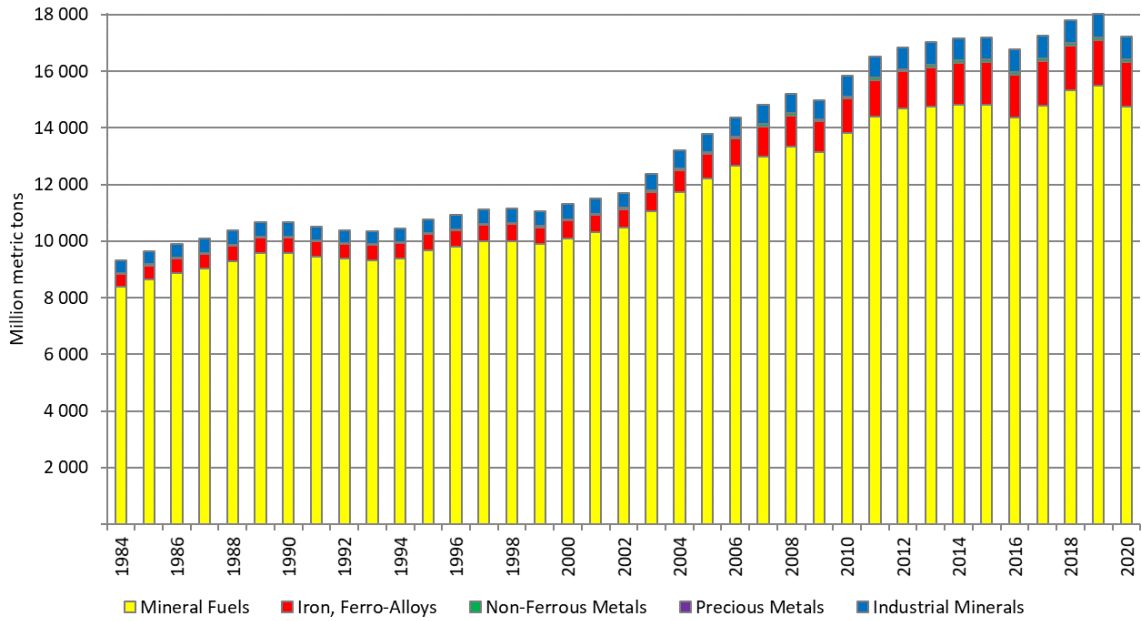


Fig. 1: World mining production 1984 - 2020 by groups of minerals (without construction minerals, in Million metr. t)

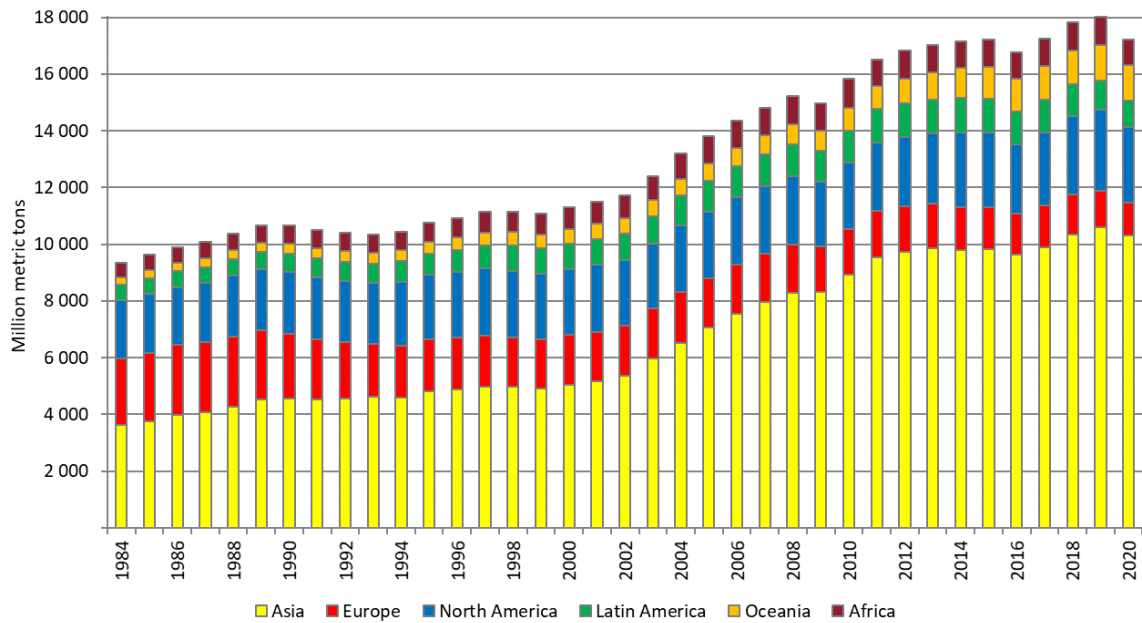


Fig. 2: World mining production 1984 - 2020 by continents (without construction minerals, in Million metr. t)

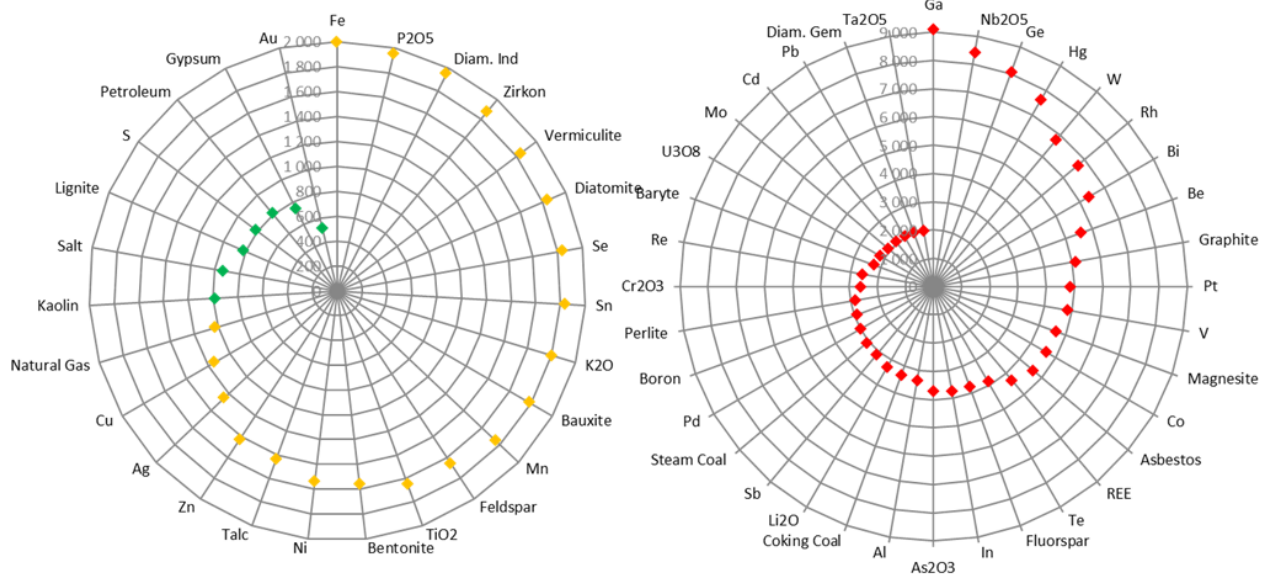


Fig. 3: Concentration of Producer Countries, Herfindahl-Hirschman Indices in 2020
 left figure: HHI < 2 000
 right figure: HHI > 2 000
 (Country Concentration ◆ low, ◆ moderate) ◆ high)

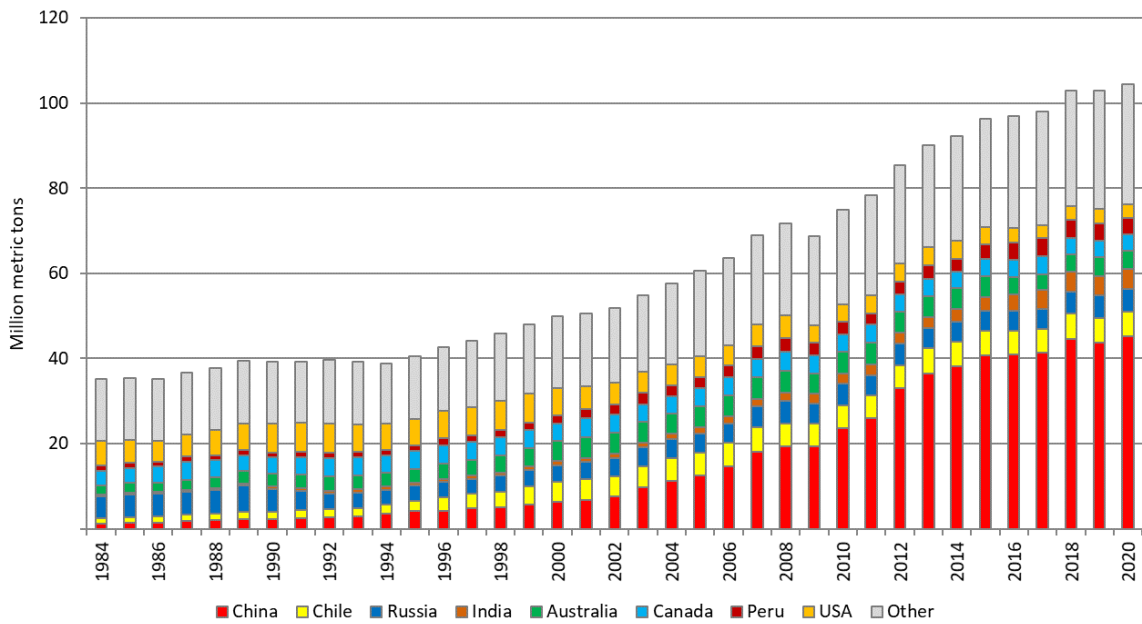


Fig. 4: World mining production 1984 - 2020 by groups of minerals: Non-Ferrous Metals by largest producer countries (in Million metr. t)

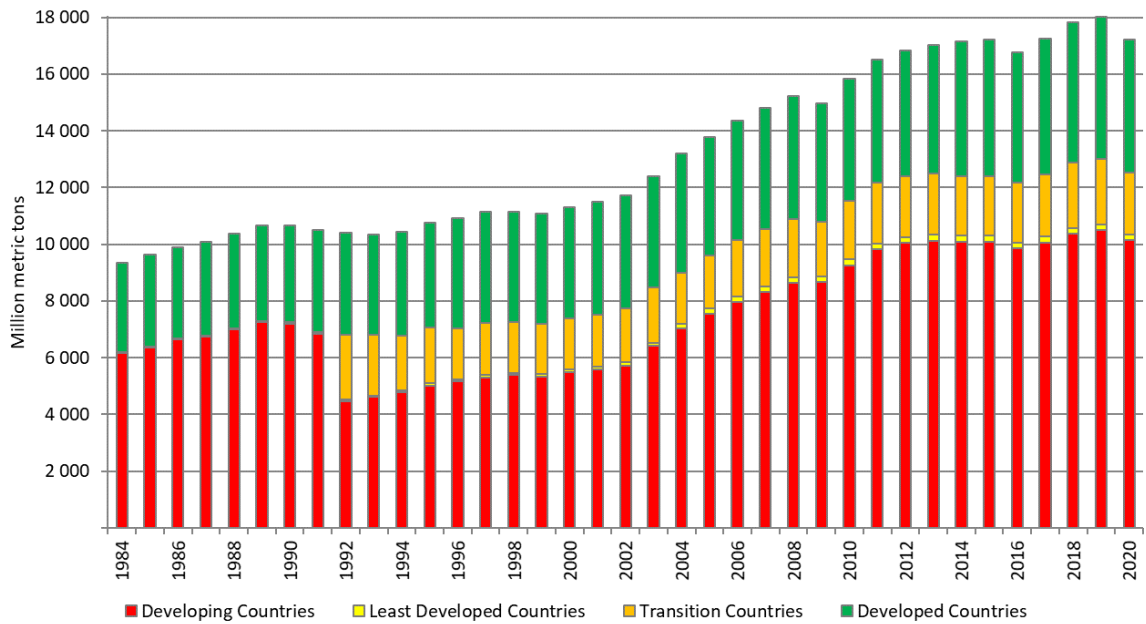


Fig. 5: World mining production 1984 - 2020 by development status of the producer countries (without construction minerals, in Million metr. t)

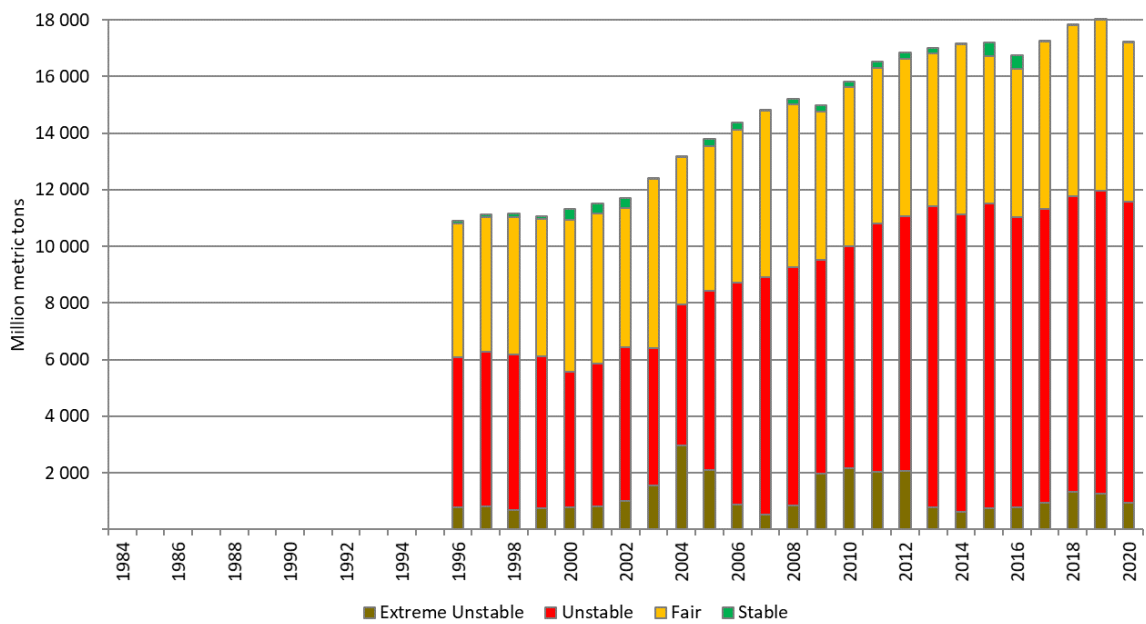


Fig. 6: World mining production 1984 - 2020 by political stability of the producer countries (without construction minerals, in Million metr. t)

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

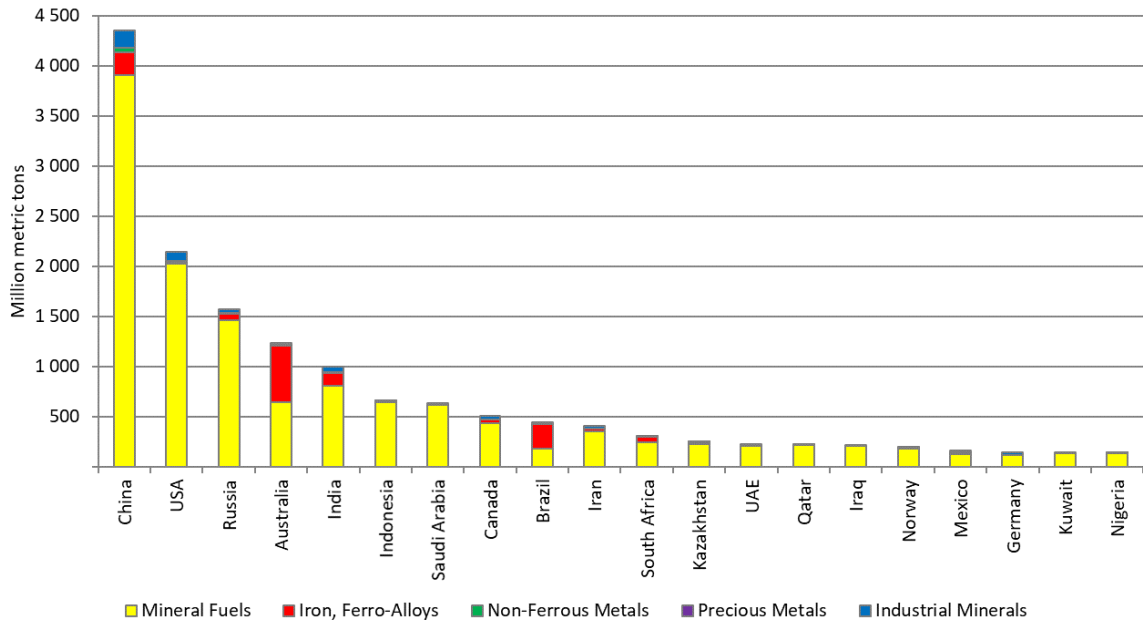


Fig. 7: 20 largest producer countries 2020 (without construction minerals, in Million metr. t)

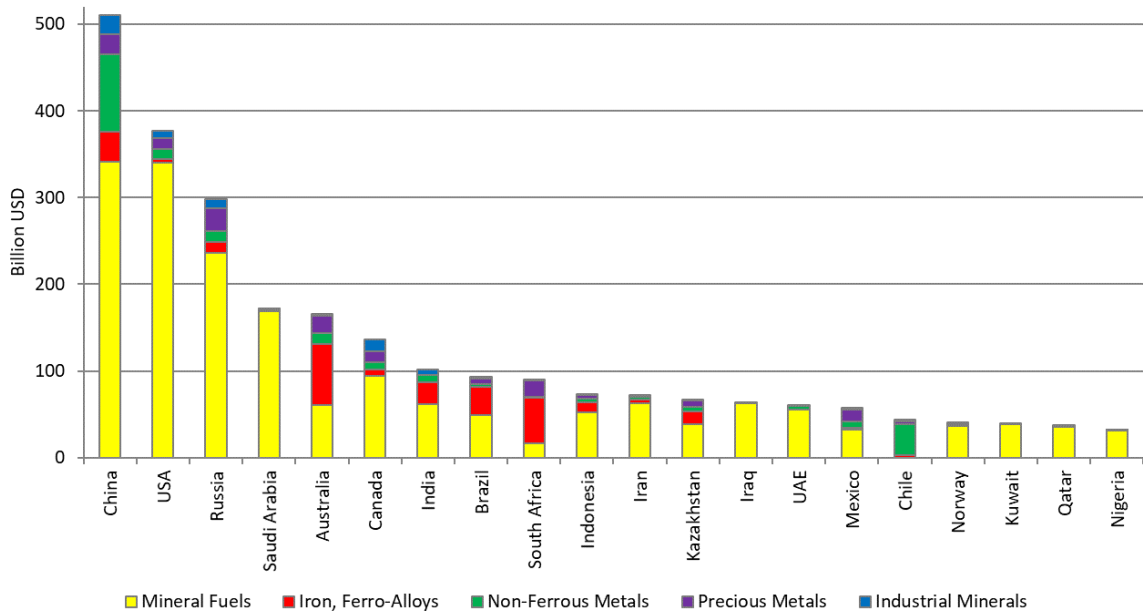


Fig. 8: 20 largest producer countries 2020 (without construction minerals, in Billion USD)

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	3 621 311 795	3 739 473 268	3 967 356 364	4 077 926 753	4 279 286 059
Europe	2 343 687 167	2 434 569 522	2 471 557 140	2 485 274 829	2 472 914 295
Latin America	562 918 109	566 395 211	573 958 486	563 610 024	591 044 007
North America	2 059 724 620	2 071 063 053	2 027 980 977	2 072 705 805	2 141 270 229
Oceania	254 010 287	280 261 932	292 796 449	322 233 565	304 067 006
Total	9 332 929 816	9 645 374 131	9 894 038 868	10 079 913 199	10 367 011 197
	1989	1990	1991	1992	1993
Africa	611 700 950	629 191 234	645 653 677	631 548 263	641 442 391
Asia	4 532 524 060	4 572 698 187	4 530 147 887	4 548 105 428	4 612 255 822
Europe	2 424 486 765	2 260 384 385	2 123 225 949	1 988 575 741	1 875 144 144
Latin America	613 513 369	646 514 806	663 144 692	670 906 236	686 932 025
North America	2 164 117 026	2 203 364 391	2 184 274 275	2 181 844 083	2 143 538 949
Oceania	332 116 920	347 898 842	362 385 522	374 707 983	386 115 067
Total	10 678 459 090	10 660 051 845	10 508 832 002	10 395 687 734	10 345 428 398
	1994	1995	1996	1997	1998
Africa	652 593 419	686 972 850	680 883 877	713 277 901	720 075 978
Asia	4 588 370 886	4 815 000 261	4 873 624 539	4 962 281 225	4 960 128 948
Europe	1 826 771 587	1 833 630 402	1 832 396 599	1 828 156 669	1 746 953 317
Latin America	720 458 025	746 470 946	777 566 260	814 112 340	887 179 897
North America	2 262 153 843	2 273 227 243	2 316 670 697	2 351 638 894	2 356 329 541
Oceania	392 630 850	415 408 333	429 772 081	462 884 590	477 032 547
Total	10 442 978 610	10 770 710 035	10 910 914 053	11 132 351 619	11 147 700 228

	1999	2000	2001	2002	2003
Africa	732 165 377	765 733 161	773 456 477	781 715 961	833 951 331
Asia	4 923 054 418	5 044 347 347	5 163 028 483	5 348 347 987	5 963 461 574
Europe	1 720 903 646	1 755 831 314	1 753 228 844	1 777 146 371	1 778 426 870
Latin America	879 227 670	908 619 421	916 247 148	922 152 856	955 340 532
North America	2 327 927 155	2 324 941 284	2 357 596 851	2 322 570 961	2 283 577 245
Oceania	484 371 047	515 396 283	542 716 215	559 952 299	573 865 355
Total	11 067 649 313	11 314 868 810	11 506 274 018	11 711 886 435	12 388 622 907
	2004	2005	2006	2007	2008
Africa	890 333 467	944 557 106	957 844 493	975 719 824	996 725 540
Asia	6 530 655 135	7 061 935 445	7 546 667 459	7 948 183 733	8 282 659 499
Europe	1 788 447 564	1 749 860 998	1 728 736 889	1 717 654 533	1 700 341 760
Latin America	1 033 685 411	1 068 298 139	1 105 968 273	1 131 860 494	1 122 207 082
North America	2 355 162 356	2 343 744 813	2 381 080 452	2 371 567 898	2 403 886 981
Oceania	597 542 934	629 027 925	643 587 222	675 817 593	710 116 169
Total	13 195 826 867	13 797 424 426	14 363 884 788	14 820 804 075	15 215 937 031
	2009	2010	2011	2012	2013
Africa	963 712 121	1 009 671 549	929 029 245	995 271 428	965 281 758
Asia	8 317 468 202	8 914 324 096	9 523 347 750	9 730 258 928	9 851 218 051
Europe	1 606 072 227	1 621 734 751	1 638 509 802	1 618 083 805	1 574 013 822
Latin America	1 065 789 961	1 128 727 828	1 170 779 425	1 184 530 000	1 171 457 844
North America	2 295 422 815	2 355 466 902	2 432 757 654	2 440 151 470	2 494 749 692
Oceania	730 579 686	801 849 138	817 953 467	866 165 112	960 861 697
Total	14 979 045 012	15 831 774 264	16 512 377 343	16 834 460 743	17 017 582 864
	2014	2015	2016	2017	2018
Africa	947 167 213	940 212 339	915 022 413	966 126 989	978 354 698
Asia	9 795 198 362	9 812 827 133	9 630 999 494	9 894 991 661	10 342 563 059
Europe	1 508 795 906	1 486 909 238	1 448 934 784	1 460 318 660	1 419 954 538
Latin America	1 203 104 654	1 196 135 873	1 160 125 574	1 152 679 450	1 101 842 787
North America	2 644 867 340	2 632 627 728	2 443 884 926	2 576 086 302	2 766 502 633
Oceania	1 067 681 955	1 138 430 125	1 168 078 850	1 196 592 680	1 210 303 364
Total	17 166 815 430	17 207 142 436	16 767 046 041	17 246 795 742	17 819 521 079
	2019	2020	2021	2022	2023
Africa	987 210 160	889 634 740			
Asia	10 590 070 293	10 297 576 978			
Europe	1 280 221 120	1 176 169 074			
Latin America	1 034 229 997	951 028 059			
North America	2 864 743 897	2 646 430 963			
Oceania	1 259 553 182	1 249 138 171			
Total	18 016 028 649	17 209 977 985			

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

(not including bauxite)
in metr. t

	1984	1985	1986	1987	1988
CAS	0	0	0	0	0
CPA	1 080 874 782	1 147 022 610	1 186 312 689	1 229 899 880	1 295 690 825
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	562 888 109	566 363 466	573 922 198	563 573 736	591 007 707
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	279 878 265	305 796 402	317 751 191	343 737 308	323 796 437
PAS	191 860 151	199 771 817	210 248 332	212 834 248	222 882 475
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	9 332 929 816	9 645 374 131	9 894 038 868	10 079 913 199	10 367 011 197
	1989	1990	1991	1992	1993
CAS	0	0	0	278 896 061	261 685 653
CPA	1 386 721 186	1 419 909 262	1 440 822 996	1 478 667 364	1 528 180 835
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	613 477 069	646 478 806	663 108 692	670 869 236	686 895 025
MEA	910 052 502	929 738 138	919 651 604	1 024 339 148	1 072 979 738
NAF	230 573 878	250 061 489	260 688 687	249 164 947	247 976 735
NAM	2 164 153 326	2 203 400 391	2 184 310 275	2 181 881 083	2 143 575 949
PAO	350 718 282	364 676 182	379 144 108	388 882 686	396 034 077
PAS	236 864 923	247 065 328	269 264 299	280 970 870	295 649 284
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	1 102 677 826	1 075 496 353	1 045 661 215
Total	10 678 459 090	10 660 051 845	10 508 832 002	10 395 687 734	10 345 428 398
	1994	1995	1996	1997	1998
CAS	220 144 489	209 024 514	207 762 674	196 666 341	189 926 351
CPA	1 610 825 986	1 747 522 163	1 819 538 088	1 780 092 908	1 733 623 584
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	720 420 525	746 433 446	777 529 260	814 075 840	887 143 897
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	2 262 191 343	2 273 264 743	2 316 707 697	2 351 675 394	2 356 365 541
PAO	403 090 498	426 137 006	439 819 631	470 860 516	484 074 557
PAS	299 751 830	325 072 506	345 222 599	354 962 566	349 096 410
SAS	404 686 390	434 661 185	453 450 881	476 071 333	464 113 974
SSA	401 519 576	424 556 468	432 700 405	455 683 599	462 883 770
WEU	1 060 413 798	1 071 418 860	1 099 560 561	1 083 428 309	1 069 658 350
Total	10 442 978 610	10 770 710 035	10 910 914 053	11 132 351 619	11 147 700 228

	1999	2000	2001	2002	2003
CAS	193 706 481	226 432 590	247 773 722	260 744 996	279 344 945
CPA	1 668 947 828	1 664 434 707	1 720 144 645	1 870 093 489	2 261 640 548
EEU	405 152 560	418 948 260	421 744 469	414 324 863	415 183 733
FSU	1 221 889 847	1 244 468 946	1 245 374 547	1 298 774 135	1 352 606 566
LAM	879 191 670	908 619 421	916 247 148	922 152 856	955 340 532
MEA	1 223 230 192	1 302 674 352	1 307 950 815	1 261 079 641	1 368 593 540
NAF	274 893 639	291 278 229	292 003 404	295 825 223	323 298 425
NAM	2 327 963 155	2 324 941 284	2 357 596 851	2 322 570 961	2 283 577 245
PAO	491 866 308	523 507 970	552 224 132	565 783 177	580 132 168
PAS	363 765 792	360 158 440	376 225 284	389 342 271	414 650 548
SAS	484 445 067	503 113 142	524 386 470	555 615 559	595 343 890
SSA	457 271 738	474 454 932	481 453 073	485 890 738	510 652 906
WEU	1 075 325 036	1 071 836 537	1 063 149 458	1 069 688 526	1 048 257 861
Total	11 067 649 313	11 314 868 810	11 506 274 018	11 711 886 435	12 388 622 907
	2004	2005	2006	2007	2008
CAS	284 371 632	302 970 252	316 909 707	328 384 662	346 708 810
CPA	2 576 768 289	2 896 704 233	3 173 101 445	3 409 450 916	3 588 924 450
EEU	413 536 153	400 640 812	402 844 349	396 370 176	403 601 364
FSU	1 415 223 481	1 484 092 797	1 556 651 618	1 634 919 377	1 628 590 422
LAM	1 033 685 411	1 068 298 139	1 105 968 273	1 131 860 494	1 122 207 082
MEA	1 480 782 328	1 526 129 547	1 549 362 032	1 561 177 930	1 644 519 599
NAF	339 847 316	362 782 695	377 028 093	382 239 724	387 374 745
NAM	2 355 162 356	2 343 744 813	2 381 080 452	2 371 567 898	2 403 886 981
PAO	604 064 358	635 461 951	649 863 051	683 001 860	717 351 665
PAS	448 977 937	480 119 406	537 883 395	555 571 308	562 518 156
SAS	643 835 864	691 978 045	737 812 235	785 124 909	824 863 266
SSA	550 486 151	581 774 411	580 816 400	593 480 100	609 350 795
WEU	1 049 085 591	1 022 727 325	994 563 738	987 654 721	976 039 696
Total	13 195 826 867	13 797 424 426	14 363 884 788	14 820 804 075	15 215 937 031
	2009	2010	2011	2012	2013
CAS	318 617 571	338 471 845	361 658 083	371 210 481	370 440 153
CPA	3 691 362 985	4 007 881 522	4 358 888 169	4 427 754 535	4 522 239 615
EEU	381 301 733	378 624 410	408 561 544	398 200 154	376 895 652
FSU	1 552 186 383	1 660 776 235	1 707 793 556	1 722 979 641	1 720 981 457
LAM	1 065 789 961	1 128 727 828	1 170 779 425	1 184 530 000	1 171 457 844
MEA	1 563 328 357	1 673 258 909	1 812 067 820	1 855 090 149	1 850 274 339
NAF	367 604 086	371 797 046	297 616 352	340 316 664	308 387 628
NAM	2 295 422 815	2 355 466 902	2 432 757 654	2 440 151 470	2 494 749 692
PAO	737 627 761	808 810 817	824 397 700	872 603 718	967 050 682
PAS	607 783 754	662 179 127	743 666 102	809 207 315	835 900 144
SAS	887 883 635	891 533 102	877 403 823	878 380 623	890 147 659
SSA	596 108 035	637 874 503	631 412 893	654 954 764	656 894 130
WEU	914 027 936	916 372 018	885 374 222	879 081 229	852 163 869
Total	14 979 045 012	15 831 774 264	16 512 377 343	16 834 460 743	17 017 582 864

	2014	2015	2016	2017	2018
CAS	375 243 149	365 186 741	346 464 455	370 190 013	388 698 124
CPA	4 426 614 376	4 349 988 775	3 987 444 135	4 102 205 785	4 288 913 029
EEU	359 973 805	371 837 329	359 620 462	364 213 858	351 544 954
FSU	1 692 848 430	1 687 827 351	1 697 219 400	1 782 636 788	1 852 844 601
LAM	1 203 104 654	1 196 135 873	1 160 125 574	1 152 679 450	1 101 842 787
MEA	1 879 593 954	1 973 688 013	2 077 733 982	2 059 814 147	2 097 139 290
NAF	277 801 418	267 480 739	272 671 825	302 543 390	314 813 856
NAM	2 644 867 340	2 632 627 728	2 443 884 926	2 576 086 302	2 766 502 633
PAO	1 071 709 298	1 140 312 367	1 169 929 065	1 198 553 232	1 212 922 384
PAS	826 551 992	783 418 976	803 481 206	834 019 660	876 150 454
SAS	920 710 822	965 275 221	1 020 639 117	1 048 139 836	1 111 873 645
SSA	669 365 795	672 731 600	642 350 588	663 583 599	663 540 842
WEU	818 430 397	800 631 723	785 481 306	792 129 682	792 734 480
Total	17 166 815 430	17 207 142 436	16 767 046 041	17 246 795 742	17 819 521 079
	2019	2020	2021	2022	2023
CAS	385 894 508	366 119 836			
CPA	4 456 044 762	4 511 290 853			
EEU	333 381 078	292 170 002			
FSU	1 870 784 112	1 745 457 219			
LAM	1 034 229 997	951 028 059			
MEA	2 046 523 179	1 951 538 735			
NAF	320 459 459	268 984 399			
NAM	2 864 743 897	2 646 430 963			
PAO	1 261 551 542	1 250 692 083			
PAS	929 207 223	865 052 365			
SAS	1 125 624 049	1 069 679 688			
SSA	666 750 701	620 650 341			
WEU	720 834 142	670 883 442			
Total	18 016 028 649	17 209 977 985			

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.	3 149 213 568	3 248 042 606	3 221 526 218	3 287 603 881	3 317 831 500
Transition C.	0	0	0	0	0
Developing C.	6 159 602 914	6 375 829 605	6 639 234 821	6 755 555 590	7 002 264 892
Least Developed C.	24 113 334	21 501 920	33 277 829	36 753 728	46 914 805
Total	9 332 929 816	9 645 374 131	9 894 038 868	10 079 913 199	10 367 011 197

	1989	1990	1991	1992	1993
Developed C.	3 372 372 850	3 415 935 141	3 605 382 260	3 578 771 638	3 525 268 056
Transition C.	0	0	7 001 748	2 288 481 585	2 149 919 544
Developing C.	7 251 993 265	7 187 345 046	6 842 646 692	4 473 945 577	4 614 762 996
Least Developed C.	54 092 975	56 771 658	53 801 302	54 488 934	55 477 802
Total	10 678 459 090	10 660 051 845	10 508 832 002	10 395 687 734	10 345 428 398
	1994	1995	1996	1997	1998
Developed C.	3 658 201 169	3 701 789 068	3 867 270 258	3 911 787 883	3 901 138 162
Transition C.	1 950 421 115	1 969 276 084	1 798 315 604	1 836 450 533	1 781 251 715
Developing C.	4 770 687 917	5 025 980 920	5 168 313 913	5 304 720 453	5 382 757 746
Least Developed C.	63 668 409	73 663 963	77 014 278	79 392 750	82 552 605
Total	10 442 978 610	10 770 710 035	10 910 914 053	11 132 351 619	11 147 700 228
	1999	2000	2001	2002	2003
Developed C.	3 879 623 488	3 917 390 221	3 974 057 290	3 961 464 475	3 918 509 146
Transition C.	1 755 542 775	1 818 095 809	1 842 263 400	1 905 784 632	1 934 423 648
Developing C.	5 337 157 584	5 479 283 484	5 579 769 164	5 722 864 043	6 410 994 407
Least Developed C.	95 325 466	100 099 296	110 184 164	121 773 285	124 695 706
Total	11 067 649 313	11 314 868 810	11 506 274 018	11 711 886 435	12 388 622 907
	2004	2005	2006	2007	2008
Developed C.	4 213 768 929	4 188 837 565	4 197 906 733	4 291 493 796	4 338 677 140
Transition C.	1 802 291 299	1 882 778 218	2 015 893 137	2 009 720 537	2 033 646 932
Developing C.	7 031 738 906	7 553 120 675	7 973 032 494	8 324 981 639	8 638 203 351
Least Developed C.	148 027 733	172 687 968	177 052 424	194 608 103	205 409 608
Total	13 195 826 867	13 797 424 426	14 363 884 788	14 820 804 075	15 215 937 031
	2009	2010	2011	2012	2013
Developed C.	4 176 523 532	4 300 076 812	4 345 161 391	4 423 480 077	4 532 543 460
Transition C.	1 928 779 614	2 054 144 080	2 130 582 601	2 150 374 827	2 143 294 290
Developing C.	8 672 022 982	9 267 658 392	9 839 874 652	10 063 677 549	10 127 461 731
Least Developed C.	201 718 884	209 894 980	196 758 699	196 928 290	214 283 383
Total	14 979 045 012	15 831 774 264	16 512 377 343	16 834 460 743	17 017 582 864
	2014	2015	2016	2017	2018
Developed C.	4 754 868 839	4 797 416 834	4 596 070 741	4 769 872 992	4 948 857 166
Transition C.	2 109 816 106	2 104 646 822	2 100 734 071	2 204 877 570	2 291 314 559
Developing C.	10 083 281 875	10 093 889 432	9 853 982 727	10 054 097 802	10 380 195 482
Least Developed C.	218 848 610	211 189 348	216 258 502	217 947 378	199 153 872
Total	17 166 815 430	17 207 142 436	16 767 046 041	17 246 795 742	17 819 521 079
	2019	2020	2021	2022	2023
Developed C.	5 000 998 885	4 686 866 045			
Transition C.	2 313 549 098	2 171 975 954			
Developing C.	10 506 362 897	10 167 141 618			
Least Developed C.	195 117 769	183 994 368			
Total	18 016 028 649	17 209 977 985			

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	160 417 272	167 109 416	176 498 545	179 491 698	189 624 040
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	3 186 091 963	3 293 324 653	3 275 412 465	3 341 472 804	3 364 611 874
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	183 003 894	189 058 026	196 916 158	195 773 537
ASEAN	207 122 705	222 096 617	246 758 858	258 532 954	271 523 978
BRICS	0	0	0	0	0
CPE	1 387 686 508	1 420 981 827	1 441 606 223	1 479 769 606	1 529 405 170
EC	726 811 162	713 282 694	899 968 413	849 114 897	820 714 351
EFTA	127 328 938	131 079 908	138 682 527	155 402 174	161 077 230
G7	2 719 956 270	2 746 772 486	2 906 866 015	2 852 544 920	2 782 241 140
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	3 433 609 010	3 474 520 875	3 665 999 754	3 646 118 309	3 585 123 205
SADC	32 532 417	34 481 813	34 374 885	36 256 605	33 922 716
	1994	1995	1996	1997	1998
ACP	193 517 244	202 500 957	212 517 124	218 599 890	480 286 475
ASEAN	278 632 414	323 124 810	346 336 893	361 326 482	360 371 902
BRICS	0	0	0	0	0
CPE	1 612 268 258	1 749 177 103	1 821 212 913	1 781 742 497	1 735 596 249
EC	810 593 106	830 773 956	835 102 310	810 450 730	793 189 666
EFTA	178 119 640	167 198 965	191 230 993	196 755 754	190 974 345
G7	2 891 034 401	2 906 022 015	2 944 370 748	2 960 002 823	4 026 397 274
MERCOSUR	0	237 744 912	241 754 188	258 158 580	276 046 988
NAFTA	2 471 519 210	2 479 037 674	2 539 711 961	2 580 709 852	2 593 191 794
OECD	3 934 868 016	4 054 623 252	4 401 829 949	4 453 580 058	4 435 391 820
SADC	257 535 416	277 796 119	281 762 373	299 455 912	304 739 026

	1999	2000	2001	2002	2003
ACP	481 367 798	506 054 757	513 198 714	523 640 619	556 103 671
ASEAN	377 113 262	377 104 718	397 866 605	414 935 396	444 204 441
BRICS	0	0	3 451 167 909	3 694 041 059	4 178 820 953
CPE	1 671 544 919	1 667 680 499	1 723 512 951	1 874 392 063	2 266 139 859
EC	795 053 147	786 020 128	774 444 879	782 139 393	759 707 395
EFTA	194 749 270	206 691 249	212 922 426	218 397 044	221 357 270
G7	3 990 266 333	3 987 871 888	4 006 101 622	4 016 157 569	4 010 467 489
MERCOSUR	282 748 724	305 879 670	301 536 799	318 735 895	332 243 088
NAFTA	2 559 448 246	2 558 431 251	2 593 370 345	2 558 828 271	2 532 086 511
OECD	4 401 258 190	4 433 247 643	4 488 319 447	4 465 318 535	4 435 743 926
SADC	305 753 050	305 765 038	307 466 314	319 218 257	328 807 074
	2004	2005	2006	2007	2008
ACP	599 412 463	632 512 679	648 443 044	665 359 788	679 606 307
ASEAN	492 731 179	529 611 096	591 312 077	612 391 011	616 303 293
BRICS	4 612 848 255	5 045 888 677	5 436 683 402	5 810 738 805	6 019 544 331
CPE	2 580 696 285	2 900 180 890	3 176 703 257	3 412 691 115	3 592 419 686
EC	1 041 234 882	1 002 500 065	966 218 981	1 030 582 801	1 006 864 462
EFTA	223 187 755	214 901 567	208 170 789	200 006 268	203 721 928
G7	4 127 294 896	4 146 890 217	4 216 932 515	4 265 595 874	4 266 667 549
MERCOSUR	361 091 110	384 188 065	628 913 827	652 236 026	646 652 940
NAFTA	2 607 837 537	2 598 634 254	2 633 342 309	2 620 247 444	2 636 651 391
OECD	4 532 107 682	4 522 637 133	4 539 319 499	4 540 560 728	4 576 133 260
SADC	341 465 580	365 950 912	367 087 253	384 621 611	403 968 407
	2009	2010	2011	2012	2013
ACP	667 046 318	710 013 807	693 754 621	705 599 168	709 027 642
ASEAN	669 148 945	725 237 317	808 541 996	871 646 181	898 891 900
BRICS	6 076 129 645	6 536 173 481	6 925 035 098	7 329 924 164	7 422 619 423
CPE	3 694 151 041	4 010 804 745	4 361 661 139	4 430 421 348	4 524 283 678
EC	937 417 819	935 815 304	939 054 498	917 565 575	883 074 327
EFTA	200 145 508	193 287 487	182 613 943	187 123 786	179 012 688
G7	4 063 990 079	4 211 424 700	4 313 841 143	4 320 045 186	4 356 401 621
MERCOSUR	594 891 174	640 389 557	653 339 655	655 377 112	635 772 996
NAFTA	2 519 249 757	2 581 823 945	2 659 873 455	2 670 923 835	2 724 284 983
OECD	4 401 700 549	4 589 094 647	4 666 660 410	4 718 096 610	4 837 365 195
SADC	397 770 207	412 907 945	405 408 384	424 111 445	430 077 075
	2014	2015	2016	2017	2018
ACP	721 543 693	723 990 915	689 259 815	710 367 865	710 213 672
ASEAN	887 944 576	850 296 057	871 993 675	902 139 366	951 553 442
BRICS	7 385 435 128	7 377 055 040	7 053 442 259	7 325 134 880	7 632 996 767
CPE	4 429 043 431	4 348 024 216	3 977 222 165	4 091 530 800	4 275 552 511
EC	848 462 177	825 902 203	780 817 700	789 991 032	771 163 154
EFTA	180 353 090	189 222 630	190 505 921	194 038 527	186 758 101
G7	3 003 843 322	2 987 015 385	2 783 869 009	2 912 756 286	3 101 891 847
MERCOSUR	663 919 488	686 405 815	666 849 599	679 540 733	634 675 174
NAFTA	2 867 041 864	2 831 939 428	2 637 751 828	2 752 886 002	2 938 928 630
OECD	5 047 749 603	5 058 780 088	4 867 201 820	5 020 539 319	5 217 736 363
SADC	442 007 447	435 502 216	424 072 269	438 470 785	435 337 991

	2019	2020	2021	2022	2023
ACP	714 113 657	666 824 412			
ASEAN	1 008 467 070	942 823 053			
BRICS	7 797 308 721	7 662 148 542			
CPE	4 443 126 772	4 498 256 611			
EC	687 593 127	587 540 320			
EFTA	175 993 707	187 190 112			
G7	3 159 607 322	2 907 441 477			
MERCOSUR	580 676 476	545 830 373			
NAFTA	3 024 909 724	2 806 455 041			
OECD	5 258 095 589	4 953 727 508			
SADC	427 580 004	395 336 256			

6.1.5 Total Minerals Production, by Political Stability of Producer Countries

(not including bauxite)
in metr. t

	1996	1997	1998	1999	2000
Stable	93 988 822	86 660 123	104 409 254	101 210 220	386 097 831
Fair	4 742 887 162	4 761 490 704	4 859 824 896	4 849 525 828	5 351 608 173
Unstable	5 306 531 222	5 466 715 594	5 511 495 328	5 375 167 667	4 795 679 360
Extreme Unstable	767 506 847	817 485 198	671 970 750	741 745 598	781 483 446
Total	10 910 914 053	11 132 351 619	11 147 700 228	11 067 649 313	11 314 868 810
	2001	2002	2003	2004	2005
Stable	355 091 757	349 742 995	19 876 811	49 171 753	244 812 834
Fair	5 289 729 412	4 937 927 178	5 957 134 670	5 205 826 779	5 128 266 369
Unstable	5 043 019 240	5 419 172 408	4 873 733 849	4 978 190 726	6 330 961 154
Extreme Unstable	818 433 609	1 005 043 854	1 537 877 577	2 962 637 609	2 093 384 069
Total	11 506 274 018	11 711 886 435	12 388 622 907	13 195 826 867	13 797 424 426
	2006	2007	2008	2009	2010
Stable	237 830 247	25 179 583	209 989 308	218 606 014	212 765 789
Fair	5 421 753 304	5 880 181 801	5 741 038 381	5 241 592 768	5 629 517 624
Unstable	7 838 830 641	8 377 727 757	8 429 923 577	7 556 549 255	7 829 886 300
Extreme Unstable	865 470 596	537 714 934	834 985 765	1 962 296 975	2 159 604 551
Total	14 363 884 788	14 820 804 075	15 215 937 031	14 979 045 012	15 831 774 264
	2011	2012	2013	2014	2015
Stable	195 766 480	205 844 512	198 458 622	36 684 105	484 535 977
Fair	5 501 500 747	5 577 257 543	5 398 986 981	5 987 932 882	5 211 832 369
Unstable	8 772 615 025	8 999 315 072	10 624 609 602	10 524 646 411	10 778 300 354
Extreme Unstable	2 042 495 091	2 052 043 616	795 527 659	617 552 032	732 473 736
Total	16 512 377 343	16 834 460 743	17 017 582 864	17 166 815 430	17 207 142 436

	2016	2017	2018	2019	2020
Stable	487 905 982	12 523 446	11 874 295	11 675 553	10 772 130
Fair	5 233 727 282	5 909 810 078	6 049 616 821	6025430449	5626328206
Unstable	10 254 364 648	10 370 037 683	10 442 422 574	10707844697	10640075246
Extreme Unstable	791 048 129	954 424 535	1 315 607 389	1271077950	932802403
Total	16 767 046 041	17 246 795 742	17 819 521 079	18 016 028 649	17 209 977 985

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	463 653 286	510 052 413	514 514 946	527 743 082	545 104 841
Non-Ferrous Metals	35 084 585	35 280 131	35 134 266	36 715 179	37 771 629
Precious Metals	14 609	15 039	14 972	15 754	16 744
Industrial Minerals	460 034 310	468 017 624	478 274 132	493 253 351	505 107 009
Mineral Fuels	8 374 143 026	8 632 008 924	8 866 100 552	9 022 185 833	9 279 010 974
Total	9 332 929 816	9 645 374 131	9 894 038 868	10 079 913 199	10 367 011 197
	1989	1990	1991	1992	1993
Iron and Ferro-Alloys	563 035 654	553 138 430	554 426 795	518 284 783	527 291 941
Non-Ferrous Metals	39 457 040	39 158 801	39 133 368	39 714 334	39 121 393
Precious Metals	17 189	17 418	17 000	17 352	16 581
Industrial Minerals	508 179 916	495 266 552	473 973 296	466 023 715	453 534 362
Mineral Fuels	9 567 769 291	9 572 470 644	9 441 281 543	9 371 647 550	9 325 464 121
Total	10 678 459 090	10 660 051 845	10 508 832 002	10 395 687 734	10 345 428 398
	1994	1995	1996	1997	1998
Iron and Ferro-Alloys	546 406 670	576 942 940	564 348 633	590 618 957	593 363 681
Non-Ferrous Metals	38 758 449	40 425 344	42 593 880	44 044 133	45 872 155
Precious Metals	15 937	16 863	17 370	18 567	19 575
Industrial Minerals	476 440 258	493 191 547	501 543 890	518 058 539	504 522 590
Mineral Fuels	9 381 357 296	9 660 133 341	9 802 410 280	9 979 611 423	10 003 922 227
Total	10 442 978 610	10 770 710 035	10 910 914 053	11 132 351 619	11 147 700 228
	1999	2000	2001	2002	2003
Iron and Ferro-Alloys	582 308 731	627 275 344	596 608 975	642 384 480	692 925 023
Non-Ferrous Metals	47 973 981	49 999 012	50 557 341	51 770 272	54 904 665
Precious Metals	19 871	21 041	21 628	21 769	21 737
Industrial Minerals	532 525 923	539 348 410	536 969 092	541 958 467	589 794 807
Mineral Fuels	9 904 820 807	10 098 225 003	10 322 116 982	10 475 751 447	11 050 976 675
Total	11 067 649 313	11 314 868 810	11 506 274 018	11 711 886 435	12 388 622 907

	2004	2005	2006	2007	2008
Iron and Ferro-Alloys	787 215 597	858 619 527	963 153 050	1 064 377 361	1 121 009 312
Non-Ferrous Metals	57 518 485	60 526 878	63 650 568	68 904 072	71 643 411
Precious Metals	22 637	23 216	22 932	23 447	24 044
Industrial Minerals	633 605 534	656 557 023	679 157 143	693 014 031	700 244 175
Mineral Fuels	11 717 464 614	12 221 697 782	12 657 901 095	12 994 485 164	13 323 016 089
Total	13 195 826 867	13 797 424 426	14 363 884 788	14 820 804 075	15 215 937 031
	2009	2010	2011	2012	2013
Iron and Ferro-Alloys	1 103 120 948	1 224 029 831	1 308 619 019	1 320 744 771	1 401 887 395
Non-Ferrous Metals	68 786 771	74 867 975	78 343 726	85 356 312	90 051 395
Precious Metals	25 518	26 727	26 914	28 217	29 533
Industrial Minerals	673 683 168	712 629 431	740 521 825	752 794 060	780 902 091
Mineral Fuels	13 133 428 607	13 820 220 300	14 384 865 859	14 675 537 383	14 744 712 450
Total	14 979 045 012	15 831 774 264	16 512 377 343	16 834 460 743	17 017 582 864
	2014	2015	2016	2017	2018
Iron and Ferro-Alloys	1 490 698 871	1 494 889 329	1 503 120 540	1 554 865 117	1 569 755 014
Non-Ferrous Metals	92 253 371	96 193 081	96 879 927	98 017 035	102 931 749
Precious Metals	30 686	31 861	31 902	30 782	31 633
Industrial Minerals	784 497 939	789 904 105	790 732 572	801 456 881	825 514 626
Mineral Fuels	14 799 334 563	14 826 124 060	14 376 281 100	14 792 425 927	15 321 288 057
Total	17 166 815 430	17 207 142 436	16 767 046 041	17 246 795 742	17 819 521 079
	2019	2020	2021	2022	2023
Iron and Ferro-Alloys	1 601 156 661	1 565 417 676			
Non-Ferrous Metals	102 813 096	104 410 432			
Precious Metals	31 811	29 845			
Industrial Minerals	808 740 337	783 364 607			
Mineral Fuels	15 503 286 744	14 756 755 425			
Total	18 016 028 649	17 209 977 985			

6.1.7 Mineral Fuels

6.1.7.1 Total Production in metr. t

	1984	1985	1986	1987	1988
Steam Coal	2 533 847 298	2 657 655 703	2 736 201 444	2 807 598 921	2 875 175 476
Coking Coal	576 335 300	581 727 250	588 503 000	591 240 000	623 772 000
Lignite	1 116 926 583	1 169 139 745	1 198 670 590	1 221 212 296	1 189 135 195
Petroleum Total	2 769 993 046	2 793 543 482	2 886 611 912	2 882 336 628	3 006 733 425
Petroleum Oil Sands	8 347 400	10 814 300	13 852 000	14 766 100	16 470 800
Natural Gas	1 344 622 400	1 397 570 400	1 424 738 400	1 489 236 000	1 555 657 600
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	8 374 143 026	8 632 008 924	8 866 100 552	9 022 185 833	9 279 010 974
	1989	1990	1991	1992	1993
Steam Coal	2 946 751 117	2 966 282 356	2 930 112 414	2 950 616 811	2 882 685 358
Coking Coal	623 715 700	637 815 000	600 629 000	526 685 580	511 572 000
Lignite	1 257 275 539	1 165 582 805	1 080 729 202	1 014 076 878	957 904 090
Petroleum Total	3 101 194 850	3 146 499 352	3 145 012 423	3 192 082 027	3 213 473 949
Petroleum Oil Sands	17 980 000	18 510 800	18 777 200	19 617 900	20 237 800
Natural Gas	1 610 295 200	1 629 576 000	1 659 031 200	1 663 308 800	1 733 435 200
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	9 567 769 291	9 572 470 644	9 441 281 543	9 371 647 550	9 325 464 121
	1994	1995	1996	1997	1998
Steam Coal	3 011 660 645	3 147 120 817	3 256 100 430	3 273 956 374	3 225 017 149
Coking Coal	522 679 000	551 083 000	520 918 000	529 874 000	495 575 000
Lignite	920 213 062	904 348 282	882 773 312	883 849 311	861 735 746
Petroleum Total	3 185 241 383	3 246 205 109	3 267 971 053	3 399 652 938	3 502 522 474
Petroleum Oil Sands	21 344 000	23 031 100	23 962 800	28 400 500	31 770 100
Natural Gas	1 719 247 200	1 794 676 000	1 857 640 800	1 874 985 600	1 903 750 400
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	9 381 357 296	9 660 133 341	9 802 410 280	9 979 611 423	10 003 922 227
	1999	2000	2001	2002	2003
Steam Coal	3 163 284 905	3 169 221 186	3 335 095 533	3 440 490 303	3 791 073 723
Coking Coal	480 835 000	475 326 000	475 450 000	478 070 000	527 816 120
Lignite	848 370 347	862 776 576	890 548 501	891 817 623	878 293 662
Petroleum Total	3 443 070 256	3 574 733 935	3 573 499 566	3 554 044 720	3 694 551 102
Petroleum Oil Sands	33 866 500	44 441 000	50 443 100	63 151 600	66 369 900
Natural Gas	1 955 921 600	2 001 952 800	2 033 253 600	2 096 547 200	2 142 162 400
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	9 904 820 807	10 098 225 003	10 322 116 982	10 475 751 447	11 050 976 675

	2004	2005	2006	2007	2008
Steam Coal	4 127 007 942	4 387 272 606	4 664 879 497	4 848 257 117	5 018 892 543
Coking Coal	600 995 201	680 609 428	716 826 531	794 213 709	801 224 094
Lignite	894 070 195	934 846 769	949 111 979	957 520 005	983 195 678
Petroleum Total	3 878 715 788	3 929 975 290	3 954 842 423	3 936 667 040	3 977 287 461
Petroleum Oil Sands	83 717 200	80 995 800	90 087 100	94 861 200	95 744 700
Natural Gas	2 200 600 800	2 272 420 000	2 356 114 400	2 439 272 800	2 524 332 800
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	11 717 464 614	12 221 697 782	12 657 901 095	12 994 485 164	13 323 016 089
	2009	2010	2011	2012	2013
Steam Coal	5 148 155 149	5 397 763 695	5 743 171 410	5 854 777 988	5 894 706 486
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	3 872 955 637	3 965 083 687	3 998 604 422	4 105 962 057	4 118 291 620
Petroleum Oil Sands	102 879 100	110 453 500	116 257 300	129 172 900	135 662 800
Natural Gas	2 438 363 200	2 647 353 600	2 713 645 600	2 774 581 600	2 768 853 600
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	13 133 428 607	13 820 220 300	14 384 865 859	14 675 537 383	14 744 712 450
	2014	2015	2016	2017	2018
Steam Coal	5 820 055 359	5 668 110 299	5 243 275 026	5 531 843 735	5 832 344 722
Coking Coal	1 118 855 146	1 090 745 410	1 048 119 557	1 022 714 054	1 032 175 916
Lignite	818 200 727	820 582 221	814 324 735	822 699 779	803 055 371
Petroleum Total	4 193 672 327	4 353 716 245	4 365 213 898	4 368 815 784	4 466 447 985
Petroleum Oil Sands	135 882 800	158 197 900	159 356 500	169 006 100	176 864 600
Natural Gas	2 826 584 000	2 872 391 200	2 888 591 200	3 023 747 200	3 164 405 600
Oil Shales	21 899 496	20 506 638	16 682 046	22 534 973	22 794 380
Uranium	67 508	72 047	74 638	70 402	64 083
Total	14 799 334 563	14 826 124 060	14 376 281 100	14 792 425 927	15 321 288 057
	2019	2020	2021	2022	2023
Steam Coal	5 960 099 008	5 726 336 632			
Coking Coal	1 055 853 263	1 032 028 998			
Lignite	738 256 388	636 081 110			
Petroleum Total	4 470 984 613	4 175 460 722			
Petroleum Oil Sands	176 766 200	167 943 300			
Natural Gas	3 261 400 800	3 173 736 800			
Oil Shales	16 628 394	13 054 894			
Uranium	64 278	56 269			
Total	15 503 286 744	14 756 755 425			

6.1.7.2 Total Production in tons of coal equivalent (TCE)

	1984	1985	1986	1987	1988
Steam Coal	1 984 545 701	2 079 192 762	2 141 039 784	2 196 329 711	2 242 644 959
Coking Coal	439 443 133	444 515 598	447 335 300	449 367 430	475 163 000
Lignite	360 814 032	378 669 882	388 743 522	396 852 134	387 609 598
Petroleum Total	3 955 550 070	3 989 180 092	4 122 081 810	4 115 976 705	4 293 615 331
Petroleum Oil Sands	11 920 087	15 442 820	19 780 656	21 085 991	23 520 302
Natural Gas	1 820 618 730	1 892 310 322	1 929 095 794	2 016 425 544	2 106 360 390
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	9 579 899 410	9 821 559 100	10 113 451 144	10 336 732 142	10 684 165 585
	1989	1990	1991	1992	1993
Steam Coal	2 297 280 349	2 315 215 405	2 288 562 315	2 317 552 470	2 258 599 130
Coking Coal	476 202 417	491 603 770	464 654 390	420 806 373	410 518 480
Lignite	408 804 798	380 691 779	351 909 015	350 948 625	329 597 560
Petroleum Total	4 428 506 246	4 493 201 075	4 491 077 740	4 558 293 135	4 588 840 799
Petroleum Oil Sands	25 675 440	26 433 422	26 813 842	28 014 361	28 899 578
Natural Gas	2 180 339 701	2 206 445 904	2 246 328 245	2 252 120 115	2 347 071 261
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	10 920 885 099	10 872 463 672	10 658 659 354	10 607 505 727	10 575 684 842
	1994	1995	1996	1997	1998
Steam Coal	2 358 469 294	2 464 103 157	2 546 357 455	2 565 416 915	2 533 580 943
Coking Coal	421 238 500	440 288 110	418 180 290	425 195 980	397 855 170
Lignite	315 782 790	312 043 680	301 350 828	303 744 060	292 480 864
Petroleum Total	4 548 524 695	4 635 580 896	4 666 662 664	4 854 704 395	5 001 602 093
Petroleum Oil Sands	30 479 232	32 888 411	34 218 878	40 555 914	45 367 703
Natural Gas	2 327 860 709	2 429 991 304	2 515 245 643	2 538 730 502	2 577 678 042
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	10 592 789 460	10 950 916 096	11 134 832 883	11 384 286 497	11 465 665 933
	1999	2000	2001	2002	2003
Steam Coal	2 485 286 615	2 486 362 511	2 617 453 259	2 690 425 262	2 940 149 416
Coking Coal	387 598 740	382 944 550	382 572 830	382 254 240	419 362 296
Lignite	289 654 797	293 377 469	303 758 682	302 211 847	297 611 763
Petroleum Total	4 916 704 326	5 104 720 059	5 102 957 380	5 075 175 860	5 275 818 974
Petroleum Oil Sands	48 361 362	63 461 748	72 032 747	90 180 485	94 776 217
Natural Gas	2 648 317 846	2 710 644 091	2 753 025 374	2 838 724 909	2 900 487 890
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	11 341 894 742	11 668 248 080	11 869 733 811	11 994 904 058	12 529 662 288

	2004	2005	2006	2007	2008
Steam Coal	3 192 583 057	3 384 032 805	3 584 539 581	3 714 753 241	3 837 647 360
Coking Coal	473 987 057	533 191 273	557 593 175	618 648 219	624 698 083
Lignite	304 057 870	319 852 059	326 631 993	329 756 850	339 373 308
Petroleum Total	5 538 806 145	5 612 004 714	5 647 514 980	5 621 560 533	5 679 566 494
Petroleum Oil Sands	119 548 162	115 662 002	128 644 379	135 461 794	136 723 432
Natural Gas	2 979 613 483	3 076 856 680	3 190 178 898	3 302 775 371	3 417 946 611
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	13 275 211 895	13 742 810 450	14 078 102 305	14 397 756 949	14 759 048 971
	2009	2010	2011	2012	2013
Steam Coal	3 921 037 917	4 093 694 167	4 340 393 395	4 411 200 248	4 436 292 606
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	5 530 580 650	5 662 139 505	5 710 007 115	5 863 313 817	5 880 920 433
Petroleum Oil Sands	146 911 355	157 727 598	166 015 424	184 458 901	193 726 478
Natural Gas	3 301 543 773	3 584 516 774	3 674 276 142	3 756 783 486	3 749 027 774
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	14 659 030 226	15 406 080 336	15 865 879 700	16 290 113 394	16 364 862 795
	2014	2015	2016	2017	2018
Steam Coal	4 389 774 731	4 271 411 939	3 944 351 852	4 154 974 673	4 364 926 906
Coking Coal	864 214 794	844 124 892	812 581 204	798 688 055	804 700 234
Lignite	278 440 353	280 122 416	279 424 269	281 484 009	274 041 253
Petroleum Total	5 988 564 083	6 217 106 798	6 233 525 446	6 238 668 940	6 378 087 723
Petroleum Oil Sands	194 040 638	225 906 601	227 561 082	241 340 711	252 562 649
Natural Gas	3 827 194 736	3 889 217 685	3 911 152 485	4 094 153 709	4 284 605 182
Oil Shales	6 635 547	6 213 511	5 054 660	6 828 097	6 906 697
Uranium	1 113 882 000	1 188 775 500	1 231 527 000	1 161 633 000	1 057 369 500
Total	16 468 706 244	16 696 972 741	16 417 616 916	16 736 430 483	17 170 637 495
	2019	2020	2021	2022	2023
Steam Coal	4 449 889 692	4 252 601 018			
Coking Coal	822 113 654	800 620 831			
Lignite	254 803 654	222 375 052			
Petroleum Total	6 384 566 027	5 962 557 911			
Petroleum Oil Sands	252 422 134	239 823 032			
Natural Gas	4 415 936 683	4 297 239 627			
Oil Shales	5 038 403	3 955 633			
Uranium	1 060 587 000	928 438 500			
Total	17 392 935 113	16 467 788 572			

6.1.8 Total Minerals Production 2020, 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	4 427 153 043	229 906 588	45 198 125	3 747	175 071 760	3 906 972 823
United States	2 141 205 566	24 268 417	3 295 575	1 242	90 055 485	2 023 568 407
Russia	1 572 616 776	65 858 191	5 338 886	1 795	35 826 548	1 458 944 356
Australia	1 337 535 370	572 746 598	4 393 731	1 665	18 264 902	638 501 663
India	1 017 395 848	130 696 600	4 607 040	707	56 303 074	805 419 762
Indonesia	679 790 700	2 831 450	805 516	404	3 853 261	646 440 174
Saudi Arabia	637 193 584	300 000	908 564	20	15 929 000	614 813 000
Canada	505 241 837	32 640 907	3 811 079	502	35 366 832	433 422 517
Brazil	475 549 462	247 743 856	1 238 997	149	16 121 127	177 547 533
Iran	409 474 050	33 835 456	1 035 863	57	25 929 099	347 631 250
South Africa	299 346 878	48 686 839	934 932	329	2 741 529	246 983 249
Kazakhstan	253 302 064	16 460 384	1 156 796	1 152	6 299 765	225 326 167
United Arab Emirates	217 692 870	0	2 505 000	0	5 220 000	209 967 870
Qatar	213 269 950	0	631 400	0	1 650 000	210 988 550
Iraq	212 071 450	0	0	0	1 640 000	210 431 450
Norway	185 838 596	1 244 601	1 330 344	0	273 451	182 990 200
Mexico	160 024 078	11 053 254	2 278 344	7 568	21 684 067	125 000 845
Germany	143 236 191	95 500	529 893	4	28 312 580	114 298 214
Kuwait	136 044 040	0	0	0	679 000	135 365 040
Nigeria	130 414 020	6 148	52 952	2	83 939	130 270 979
Turkey	130 323 793	14 237 205	406 990	140	35 261 124	78 018 654
Algeria	128 979 980	406 600	1 000	0	3 051 180	125 521 200
Poland	113 124 580	710	482 651	1 219	6 095 440	106 544 560
Colombia	102 207 883	390 044	9 366	69	1 072 040	100 726 769
Ukraine	98 980 003	50 509 930	5	0	5 734 391	42 735 677
Guinea	88 185 091	418 800	0	92	0	0
United Kingdom	87 457 450	0	35 800	0	4 913 260	82 508 390
Malaysia	87 281 511	3 807 762	983 731	2	541 953	81 353 348
Oman	87 249 879	155 020	396 929	0	10 349 730	76 348 200
Egypt	81 529 124	275 300	268 000	14	4 212 000	76 773 810
Vietnam	75 336 495	3 392 276	71 048	1	2 908 170	65 355 000
Angola	66 754 731	0	0	0	196 401	66 558 330
Turkmenistan	64 448 600	0	0	0	590 600	63 858 000
Thailand	62 440 780	71 021	198	0	11 997 477	50 372 084
Argentina	57 979 503	0	356 798	802	1 948 603	55 673 300
Azerbaijan	56 281 758	0	31 151	12	529 095	55 721 500
Pakistan	48 961 736	266 970	55 365	0	6 451 334	42 087 020
Uzbekistan	47 001 595	780	198 896	301	733 440	46 068 178
Mongolia	46 269 767	5 168 585	341 560	98	681 524	40 078 000
Venezuela	45 170 188	1 235 000	9 996	9	850 000	43 075 183
Serbia	41 193 323	0	72 117	18	261 703	40 859 485
Czech Republic	35 648 754	0	0	0	3 777 000	31 871 754
Libya	33 920 000	0	0	0	360 000	33 560 000
Peru	33 858 907	8 936 277	3 766 490	2 812	5 176 412	15 976 916
Chile	30 699 679	9 950 267	5 812 893	1 610	13 587 907	1 347 002
Romania	28 075 878	8 450	281 047	19	2 167 256	25 619 106
Trinidad and Tobago	27 784 510	0	0	0	0	27 784 510
Bulgaria	26 383 673	0	146 125	48	3 609 700	22 627 800
Netherlands	24 894 518	0	71 480	0	5 712 038	19 111 000
Ecuador	24 198 111	0	49 700	11	2 000	24 146 400

Bangladesh	22 974 708	0	0	0	1 649 000	21 325 708
Spain	21 819 582	400	492 446	80	21 255 919	70 737
Sweden	20 995 609	20 112 200	517 370	409	365 630	0
Korea, North	19 388 420	1 641 310	51 150	60	695 900	17 000 000
Greece	19 020 123	19 820	229 707	52	3 394 213	13 947 700
Philippines	18 600 828	371 712	60 956	42	1 121 920	17 046 198
Bahrain	17 620 200	0	1 548 500	0	125 350	15 946 350
Myanmar	17 546 471	276 080	296 140	1	473 270	16 500 980
Laos	16 669 159	607 830	93 960	32	1 280 478	14 686 859
Bosnia-Herzegovina	15 993 019	727 980	12 720	0	1 266 841	13 365 730
Bolivia	15 940 048	21 475	443 375	953	301 975	15 172 270
Congo, Rep.	15 308 900	33 500	11 400	0	0	15 264 000
Brunei	15 137 750	0	0	0	0	15 137 750
Israel	14 891 817	0	0	0	3 724 400	11 167 417
Gabon	14 876 700	3 709 100	0	0	0	11 167 600
Ghana	14 043 910	825 130	37 566	128	330 000	11 689 000
Mozambique	13 733 639	874 111	571 205	0	280 681	12 001 151
Morocco	13 568 658	58 698	113 446	189	13 313 827	82 498
Italy	13 115 934	0	0	0	4 446 394	8 669 540
Estonia	12 144 400	0	0	0	0	12 144 400
Equatorial Guinea	11 973 060	0	0	0	0	11 973 060
Belarus	10 645 643	0	0	0	8 760 443	1 885 200
France	10 616 556	0	385 280	0	9 295 776	811 500
New Zealand	10 075 141	2 260 000	333 314	7	150 500	7 331 320
Kosovo	8 549 888	4 180	7 760	0	0	8 537 948
Hungary	8 418 578	0	0	0	86 000	8 332 578
South Sudan	8 372 600	0	0	0	0	8 372 600
Mauritania	8 283 505	8 135 000	28 491	14	120 000	0
Jamaica	7 622 139	0	0	0	76 000	0
Tunisia	6 763 000	92 800	0	0	3 441 800	3 228 400
Japan	6 708 383	0	3 371	12	4 408 000	2 297 000
Chad	6 303 000	0	0	0	0	6 303 000
Denmark	5 454 594	0	0	0	759 194	4 695 400
Cameroon	5 373 700	0	47 500	0	0	5 326 200
Korea, South	5 223 009	503 891	10 242	7	3 534 279	1 174 590
Austria	5 088 197	974 736	0	0	2 909 707	1 203 754
Syria	4 876 180	0	0	0	720 000	4 156 180
Jordan	4 875 940	0	0	0	4 754 340	121 600
North Macedonia	4 860 699	0	83 305	16	244 633	4 532 745
Papua New Guinea	4 792 425	89 300	82 841	184	0	4 620 100
Guyana	4 305 741	0	0	18	0	3 709 780
Sudan	4 223 637	4 300	0	37	454 700	3 764 600
Cote d'Ivoire	4 004 854	550 420	0	39	0	3 182 100
Cuba	3 718 886	64 700	87 730	0	620 456	2 946 000
Zimbabwe	3 389 403	589 782	8 793	50	39 888	2 750 890
Slovenia	3 315 561	0	50 185	0	882	3 264 494
Kyrgyzstan	3 113 010	0	6 540	40	171 000	2 935 430
Congo, D.R.	3 023 507	88 872	1 742 939	33	3	1 191 660
Liberia	2 924 604	2 924 600	0	4	0	0
Tanzania	2 667 352	14 200	11 735	69	632 594	1 982 759
Yemen	2 561 100	0	0	0	70 000	2 491 100
Slovakia	2 509 079	0	152 093	0	1 310 926	1 046 060
Montenegro	2 505 240	0	47 978	0	0	1 665 449
Botswana	2 342 375	0	0	1	418 382	1 923 992
Tajikistan	2 312 367	0	213 510	20	50 637	2 048 200
Zambia	2 266 487	18 299	882 063	4	917 300	448 821
Finland	2 211 766	523 858	99 107	66	1 588 735	0
Ireland	1 763 410	0	141 409	1	150 000	1 472 000
Croatia	1 702 614	0	0	0	333 530	1 355 000
Sierra Leone	1 482 633	135 930	0	0	4 564	0
Senegal	1 393 243	298 320	0	13	1 058 430	36 480
Albania	1 314 761	216 410	3 070	0	141 880	953 401

Namibia	1 200 482	37 580	87 133	15	1 069 372	6 382
Niger	1 105 909	0	0	2	0	1 105 907
Portugal	906 113	553	237 641	96	667 823	0
Solomon Islands	841 890	0	0	0	0	0
Suriname	818 421	0	0	21	0	818 400
Cyprus	738 985	0	0	0	738 985	0
Iceland	696 989	0	691 989	0	5 000	0
Switzerland	654 527	0	0	0	654 527	0
Guatemala	625 700	50 600	50	0	186 050	389 000
Bahamas	623 007	0	0	0	623 007	0
Togo	488 902	0	0	2	488 900	0
Eritrea	481 723	0	143 655	68	338 000	0
Madagascar	422 034	238 697	30	2	183 305	0
Bhutan	414 290	9 430	0	0	332 022	72 838
Georgia	403 210	180 900	10 000	10	74 500	137 800
Ethiopia	386 261	252	0	9	386 000	0
Dominican Republic	365 070	22 005	4 554	116	328 920	0
Latvia	359 190	0	0	0	359 190	0
Kenya	354 871	270 010	0	0	43 861	41 000
Taiwan	331 455	0	0	0	245 595	85 860
Moldova	297 632	0	0	0	292 600	5 032
Armenia	272 727	11 909	91 975	24	168 819	0
Panama	230 559	0	205 548	53	24 958	0
New Caledonia	201 894	201 894	0	0	0	0
Sri Lanka	172 385	11 150	0	0	161 235	0
Eswatini	161 768	0	0	0	0	161 768
Afghanistan	158 296	2 000	0	0	35 676	120 620
Honduras	150 106	0	43 610	42	106 454	0
Christmas Island	120 750	0	0	0	120 750	0
Nicaragua	119 601	0	0	28	119 573	0
Lithuania	102 880	0	0	0	71 250	31 630
Cambodia	83 969	0	0	0	83 969	0
Burkina Faso	79 062	0	78 990	72	0	0
Nepal	72 137	0	0	0	2 719	69 418
Malawi	57 886	3 010	0	0	0	54 876
Nauru	39 400	0	0	0	39 400	0
Barbados	32 390	0	0	0	0	32 390
El Salvador	30 000	0	0	0	30 000	0
Uruguay	18 520	1 240	0	0	17 280	0
Uganda	14 559	63	0	3	14 493	0
Paraguay	10 500	0	0	0	10 500	0
Costa Rica	4 001	0	0	1	4 000	0
Rwanda	3 527	1 475	2 050	2	0	0
Lebanon	3 000	0	0	0	3 000	0
Mauritius	2 200	0	0	0	2 200	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
Burundi	596	178	417	1	0	0
Benin	500	0	0	0	500	0
Mali	74	0	0	74	0	0
Fiji	2	0	0	2	0	0
French Guiana	1	0	0	1	0	0
Total	17 588 999 686	1 565 417 676	104 410 432	29 845	783 364 607	14 756 755 425

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	512 788	34 972	89 981	23 181	21 422	340 713
United States	376 894	3 969	11 576	12 858	8 279	340 212
Russia	297 932	12 393	13 525	25 368	10 481	235 924
Saudi Arabia	172 301	33	1 920	757	793	168 609
Australia	169 463	70 405	13 016	19 572	2 195	60 545
Canada	136 066	6 457	8 753	12 519	13 621	94 714
India	102 814	24 741	8 420	531	6 675	61 714
Brazil	94 084	32 307	4 074	5 661	2 025	48 832
South Africa	89 373	52 494	1 817	18 083	701	16 279
Indonesia	73 603	11 525	4 454	3 989	558	52 145
Iran	72 172	4 560	3 300	427	1 307	62 541
Kazakhstan	66 555	15 559	4 605	7 339	852	38 054
Iraq	63 052	0	0	0	69	62 983
United Arab Emirates	59 397	0	4 269	0	125	55 003
Mexico	57 023	1 992	8 088	13 031	2 074	31 836
Chile	43 412	2 260	35 898	2 970	2 145	139
Norway	39 331	286	2 267	0	16	36 761
Kuwait	38 659	0	0	0	22	38 637
Qatar	36 899	0	1 076	0	40	35 784
Nigeria	31 188	25	200	86	12	30 866
Peru	28 787	1 626	17 113	6 810	448	2 791
Algeria	23 973	44	2	3	107	23 816
Colombia	19 979	536	58	2 788	85	16 511
Turkey	19 565	9 313	1 267	2 460	3 462	2 976
Angola	19 251	0	0	0	20	19 231
Oman	19 059	1 063	676	0	102	17 218
United Kingdom	18 746	0	61	2	506	18 177
Malaysia	16 151	953	1 722	98	75	13 281
Congo, D.R.	15 723	2 808	10 862	1 686	0	367
Egypt	15 126	38	457	800	381	13 450
Argentina	13 679	0	702	2 495	242	10 240
Azerbaijan	12 846	0	65	212	27	12 543
Uzbekistan	11 981	16	1 002	6 087	250	4 626
Ukraine	11 714	6 881	3	0	589	4 241
Ghana	11 706	1 304	64	7 120	40	3 136
Venezuela	10 567	135	17	512	72	9 831
Poland	10 099	10	2 616	856	526	6 092
Germany	9 622	10	908	3	5 098	3 603
Gabon	9 216	5 860	0	3	0	3 352
Vietnam	8 509	802	409	35	357	6 776
Guinea	8 428	46	0	5 223	0	0
Ecuador	8 216	0	307	518	0	7 390
Mongolia	8 176	621	1 906	1 202	211	4 236
Turkmenistan	7 853	0	0	0	37	7 816
Philippines	7 586	4 740	377	1 015	52	1 401
Zimbabwe	7 389	4 225	56	2 905	9	194
Libya	7 256	0	0	0	9	7 247
Belarus	7 114	0	0	0	6 572	542
Thailand	6 276	10	3	0	407	5 856
Zambia	5 834	110	5 446	227	22	29
Pakistan	5 508	361	174	0	554	4 416
Papua New Guinea	5 350	922	511	3 074	0	843
Bolivia	5 110	40	1 214	1 935	105	1 816
Finland	5 081	3 954	367	626	134	0
Congo, Rep.	4 709	4	66	9	0	4 631
Bahrain	4 548	0	2 639	0	3	1 907
Sweden	4 409	2 192	1 472	734	10	0

Myanmar	4 270	706	2 001	50	30	1 483
Mali	4 053	0	0	4 053	0	0
Cote d'Ivoire	3 925	1 116	0	2 192	0	607
Burkina Faso	3 721	0	179	3 542	0	0
Tanzania	3 451	2	73	3 184	30	161
Trinidad and Tobago	3 286	0	0	0	0	3 286
Sudan	3 257	30	0	2 032	36	1 159
Spain	3 248	9	1 743	143	1 340	12
Israel	3 184	0	0	0	2 159	1 025
Mozambique	3 052	674	973	28	186	1 190
New Caledonia	2 822	2 822	0	0	0	0
Romania	2 797	13	520	40	156	2 067
Netherlands	2 716	0	122	0	685	1 908
Equatorial Guinea	2 637	0	0	0	0	2 637
South Sudan	2 579	0	0	0	0	2 579
Brunei	2 557	0	0	0	0	2 557
Italy	2 429	0	0	0	475	1 954
Bulgaria	2 246	0	743	558	392	554
Bangladesh	2 211	0	0	0	198	2 013
Guyana	2 200	0	0	1 036	0	1 143
Korea, North	2 129	190	113	602	119	1 105
New Zealand	2 022	246	568	334	20	854
Dominican Republic	1 988	303	19	1 660	6	0
Chad	1 941	0	0	0	0	1 941
Mauritania	1 867	887	176	804	1	0
Cuba	1 844	870	186	0	37	751
France	1 822	0	662	0	941	214
Albania	1 797	1 526	19	0	5	247
Laos	1 788	66	583	373	401	366
Serbia	1 758	0	364	106	42	1 246
Morocco	1 755	146	353	133	1 115	8
Jordan	1 598	0	0	0	1 586	11
Kyrgyzstan	1 591	0	41	1 385	4	161
Czech Republic	1 546	0	0	0	573	972
Suriname	1 459	0	0	1 207	0	252
Panama	1 455	0	1 269	183	3	0
Greece	1 388	191	410	157	218	361
Cameroon	1 373	0	81	23	0	1 269
Denmark	1 312	0	0	0	114	1 198
Namibia	1 207	19	259	387	121	422
Iceland	1 180	0	1 179	0	1	0
Tajikistan	1 174	0	523	506	6	139
Senegal	1 150	231	0	707	203	9
Armenia	1 096	237	534	315	10	0
Japan	1 026	0	37	435	248	307
Tunisia	957	10	0	0	275	672
Syria	855	0	0	0	53	802
Estonia	826	0	0	0	0	826
Guatemala	824	698	0	0	6	120
Portugal	800	12	655	63	70	0
Yemen	756	0	0	0	6	750
Eritrea	664	0	410	215	39	0
Korea, South	647	166	55	15	328	83
Niger	647	0	0	134	0	513
Georgia	641	286	62	275	1	17
Austria	606	126	0	0	239	241
Bosnia-Herzegovina	588	79	26	0	139	321
Madagascar	570	393	0	86	91	0
Liberia	569	319	0	250	0	0
Hungary	536	0	0	0	7	529
Nicaragua	472	0	0	465	7	0
Ethiopia	454	7	0	427	19	0

Ireland	449	0	314	1	1	132
Slovakia	437	0	259	19	128	30
North Macedonia	343	0	195	36	4	109
Kenya	282	216	0	9	45	13
Kosovo	278	58	16	0	0	205
Croatia	276	0	0	0	15	260
Jamaica	273	0	0	0	2	0
Honduras	239	0	93	138	8	0
Botswana	224	0	0	48	50	125
Rwanda	207	59	35	114	0	0
Uganda	188	1	0	182	5	0
Slovenia	164	0	86	0	0	79
Sierra Leone	159	103	0	1	6	0
Montenegro	156	0	88	0	0	40
Togo	151	0	0	114	37	0
Bahamas	75	0	0	0	75	0
Fiji	60	0	0	60	0	0
Burundi	57	5	4	49	0	0
French Guiana	56	0	0	56	0	0
Switzerland	42	0	0	0	42	0
Costa Rica	35	0	0	34	1	0
Solomon Islands	30	0	0	0	0	0
Sri Lanka	30	8	0	0	22	0
Afghanistan	28	14	0	0	5	9
Central African Republic	23	0	0	23	0	0
Taiwan	22	0	0	0	13	8
Cyprus	19	0	0	4	15	0
Lithuania	11	0	0	0	2	10
Eswatini	11	0	0	0	0	11
Cambodia	10	0	0	0	10	0
Christmas Island	9	0	0	0	9	0
Bhutan	9	1	0	0	3	5
Barbados	8	0	0	0	0	8
Belgium	7	0	7	0	0	0
Nepal	5	0	0	0	1	5
Moldova	4	0	0	0	3	2
Malawi	4	0	0	0	0	4
El Salvador	4	0	0	0	4	0
Latvia	3	0	0	0	3	0
Nauru	3	0	0	0	3	0
Uruguay	2	0	0	0	2	0
Paraguay	1	0	0	0	1	0
Total	3 063 858	335 446	285 817	224 806	107 177	2 096 968

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

6.2.1 Iron and Ferro-Alloy Metals

Commodity	2016	2017	2018	2019	2020	Change 16/20 in %
	in metr. t					
Iron	1 466 177 076	1 511 758 884	1 523 930 105	1 552 366 227	1 522 558 857	3.85
Chromium	12 823 519	14 221 063	15 363 744	15 920 356	11 964 982	-6.70
Cobalt	130 839	138 692	158 317	124 968	129 110	-1.32
Manganese	14 789 865	18 936 439	19 825 866	21 528 240	19 276 626	30.34
Molybdenum	263 256	285 378	270 100	277 180	283 582	7.72
Nickel	1 938 680	2 141 797	2 377 569	2 708 147	2 491 866	28.53
Niobium	88 564	91 980	109 023	135 539	93 509	5.58
Tantalum	1 775	2 263	2 006	1 611	1 682	-5.24
Titanium	6 734 820	7 120 354	7 549 218	7 906 629	8 424 179	25.08
Tungsten	86 714	86 375	84 119	89 041	87 507	0.91
Vanadium	85 432	81 892	84 947	98 723	105 776	23.81

6.2.2 Non-Ferrous Metals

Commodity	2016	2017	2018	2019	2020	Change 16/20 in %
	in metr. t					
Aluminium	58 513 469	60 544 944	64 443 050	63 214 479	65 351 568	11.69
Antimony	155 215	148 941	145 002	134 659	127 916	-17.59
Arsenic	58 917	57 447	51 737	55 243	51 898	-11.91
Bauxite	289 279 972	311 872 486	337 346 596	363 465 895	379 021 701	31.02
Beryllium	5 601	5 306	6 087	5 867	6 054	8.09
Bismuth	10 619	10 607	10 886	9 073	9 513	-10.42
Cadmium	26 721	27 027	26 998	25 004	24 970	-6.55
Copper	20 509 627	20 083 860	20 702 409	20 650 346	20 788 363	1.36
Gallium	194	310	323	374	304	56.70
Germanium	122	98	106	95	96	-21.31
Indium	753	782	830	917	944	25.37
Lead	4 715 074	4 650 292	4 629 940	4 940 473	4 745 983	0.66
Lithium	83 667	162 333	198 464	189 180	185 850	122.13
Mercury	4 094	2 396	2 864	2 313	2 290	-44.06
Rare Earths	129 825	133 235	180 083	200 345	225 277	73.52
Rhenium	49	45	47	44	38	-22.45
Selenium	3 483	3 006	3 199	3 537	3 334	-4.28
Tellurium	466	613	649	529	444	-4.72
Tin	297 232	315 906	317 153	294 622	277 291	-6.71
Zinc	12 364 799	11 869 887	12 211 922	13 085 996	12 608 299	1.97

6.2.3 Precious Metals

Commodity	2016	2017	2018	2019	2020	Change 16/20 in %
			in kg			
Gold	3 257 972	3 336 277	3 384 879	3 317 979	3 212 803	-1.39
Palladium	212 129	204 633	223 387	225 409	199 902	-5.76
Platinum	189 542	184 641	189 221	185 502	165 619	-12.62
Rhodium	23 956	23 074	22 938	23 814	20 970	-12.46
Silver	28 216 098	27 035 923	27 817 405	28 060 860	26 247 889	-6.98

6.2.4 Industrial Minerals

Commodity	2016	2017	2018	2019	2020	Change 16/20 in %
			in metr. t (Diamonds in ct)			
Asbestos	1 287 075	1 157 070	1 237 256	1 137 505	1 174 457	-8.75
Baryte	8 742 964	8 954 503	9 632 288	9 513 942	8 085 570	-7.52
Bentonite	19 683 920	21 196 070	21 778 461	21 795 835	20 846 818	5.91
Boron	4 077 557	4 228 732	4 492 429	4 293 276	3 601 366	-11.68
Diam. (Gem)	70 742 475	80 553 337	82 829 798	77 723 952	62 013 169	-12.34
Diam. (Ind)	56 587 383	70 196 523	64 589 179	57 632 960	46 163 770	-18.42
Diatomite	1 923 308	2 242 941	2 310 207	2 299 083	2 260 431	17.53
Feldspar	30 864 778	31 488 667	35 049 802	31 054 044	30 901 714	0.12
Fluorspar	5 580 847	5 749 993	6 970 064	7 659 846	7 575 997	35.75
Graphite	1 099 688	896 326	1 023 491	1 135 845	940 486	-14.48
Gypsum	155 630 901	155 849 264	167 939 281	160 355 793	161 908 915	4.03
Kaolin	40 955 467	45 198 713	45 409 692	44 213 017	42 485 516	3.74
Magnesite	26 997 201	28 448 337	28 945 537	27 339 204	28 280 332	4.75
Perlite	2 806 325	2 375 840	2 713 894	2 823 336	3 014 536	7.42
Phosphates	83 791 766	79 600 355	71 631 360	70 986 830	70 064 890	-16.38
Potash	38 876 258	42 321 610	43 475 523	42 082 195	44 996 384	15.74
Salt	280 522 337	282 716 423	291 702 740	290 609 436	269 953 325	-3.77
Sulfur	78 403 885	79 347 895	81 223 444	81 547 749	77 977 537	-0.54
Talc	7 478 523	7 888 643	7 970 760	8 100 944	7 644 043	2.21
Vermiculite	433 982	416 091	438 951	424 421	416 638	-4.00
Zircon	1 575 765	1 379 379	1 569 417	1 368 011	1 235 632	-21.59

6.2.5 Mineral Fuels

Commodity	2016	2017	2018	2019	2020	Change 16/20 in %
	in metr. t (Nat. Gas in Mio m ³)					
Steam Coal	5 243 275 026	5 531 843 735	5 832 344 722	5 960 099 008	5 726 336 632	9.21
Coking Coal	1 048 119 557	1 022 714 054	1 032 175 916	1 055 853 263	1 032 028 998	-1.54
Hard Coal (Tot)	6 291 394 583	6 554 557 789	6 864 520 638	7 015 952 271	6 758 365 630	7.42
Lignite	814 324 735	822 699 779	803 055 371	738 256 388	636 081 110	-21.89
Coal (Tot)	7 105 719 318	7 377 257 568	7 667 576 009	7 754 208 659	7 394 446 740	4.06
Petroleum	4 365 213 898	4 368 815 784	4 466 447 985	4 470 984 613	4 175 460 722	-4.35
Natural Gas	3 610 739	3 779 684	3 955 507	4 076 751	3 967 171	9.87
Oil Sands*	159 356 500	169 006 100	176 864 600	176 766 200	167 943 300	5.39
Oil Shales	16 682 046	22 534 973	22 794 380	16 628 394	13 054 894	-21.74
Uranium	74 638	70 402	64 083	64 278	56 269	-24.61

*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)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	608 537 133	632 252 158	646 035 302	654 007 756	648 921 784
Developing C.	731 130 373	754 008 126	751 434 513	759 137 531	731 860 423
Least Developed C.	13 372 270	12 012 170	9 844 140	10 892 590	12 112 870
Transition C.	113 137 300	113 486 430	116 616 150	128 328 350	129 663 780
Total	1 466 177 076	1 511 758 884	1 523 930 105	1 552 366 227	1 522 558 857
Annual per capita income:					
High Income	618 068 056	642 284 025	655 490 090	662 937 000	659 459 050
Upper Middle Income	661 693 510	680 028 979	680 013 095	666 424 047	626 727 977
Lower Middle Income	178 421 340	181 637 810	183 545 400	218 549 780	231 384 620
Low Income	7 994 170	7 808 070	4 881 520	4 455 400	4 987 210
Total	1 466 177 076	1 511 758 884	1 523 930 105	1 552 366 227	1 522 558 857
Political stability:					
Stable	30 533 160	2 324 640	2 100 000	1 915 000	2 260 000
Fair	604 560 436	661 658 385	662 194 810	672 127 200	666 147 590
Unstable	786 084 950	797 852 929	784 361 755	791 286 687	819 038 167
Extreme Unstable	44 998 530	49 922 930	75 273 540	87 037 340	35 113 100
Total	1 466 177 076	1 511 758 884	1 523 930 105	1 552 366 227	1 522 558 857
Country groups and economic blocks:					
ACP	56 487 960	60 651 280	58 057 900	57 698 010	47 823 730
ASEAN	5 419 070	7 004 255	6 125 090	7 957 130	9 276 090
BRICS	722 418 110	741 721 424	738 940 245	740 595 700	702 137 545
CPE	237 057 280	227 183 530	218 165 620	229 635 430	235 349 860
EC	19 169 623	19 778 056	19 385 032	20 498 770	21 181 540
EFTA	1 425 000	992 700	1 129 900	1 069 700	1 014 700
G7	54 914 100	60 942 600	63 448 700	62 661 300	56 176 400
MERCOSUR	273 162 020	293 734 314	289 671 855	257 337 960	248 026 835
NAFTA	63 293 990	67 887 220	71 778 610	72 898 470	66 855 500
OECD	630 620 906	655 110 735	673 166 980	681 800 460	683 019 710
SADC	43 204 270	48 813 560	48 287 700	47 074 610	36 311 730

Chromium (Cr₂O₃ - Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	469 140	411 060	483 400	514 130	492 870
Developing C.	9 827 929	10 974 843	11 751 084	12 237 976	9 081 962
Least Developed C.	56 650	119 360	76 460	45 750	12 600
Transition C.	2 469 800	2 715 800	3 052 800	3 122 500	2 377 550
Total	12 823 519	14 221 063	15 363 744	15 920 356	11 964 982
Annual per capita income:					
High Income	701 960	592 150	837 030	807 170	645 710
Upper Middle Income	10 146 989	11 505 653	12 084 064	12 393 106	9 180 162
Lower Middle Income	1 791 550	1 709 280	2 379 150	2 674 330	2 126 510
Low Income	183 020	413 980	63 500	45 750	12 600
Total	12 823 519	14 221 063	15 363 744	15 920 356	11 964 982
Political stability:					
Stable	0	0	0	0	0
Fair	3 020 960	3 151 550	1 344 630	1 322 870	872 360
Unstable	8 690 649	9 625 353	12 697 174	12 900 636	10 934 212
Extreme Unstable	1 111 910	1 444 160	1 321 940	1 696 850	158 410
Total	12 823 519	14 221 063	15 363 744	15 920 356	11 964 982
Country groups and economic blocks:					
ACP	6 472 870	7 549 610	8 052 550	8 227 090	6 092 260
ASEAN	10 300	8 340	20 260	14 570	14 040
BRICS	8 324 129	9 077 713	9 802 324	9 617 626	7 223 612
CPE	24 200	26 400	26 830	54 250	45 950
EC	469 140	411 060	483 400	514 130	492 870
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	166 259	212 503	219 724	199 256	226 762
NAFTA	0	0	0	0	0
OECD	1 539 170	1 795 760	1 630 000	2 042 830	1 580 270
SADC	6 435 620	7 485 380	7 980 800	8 141 630	6 021 060

Cobalt

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	15 281	14 032	12 343	12 827	11 482
Developing C.	28 990	27 683	20 908	19 859	20 007
Least Developed C.	77 968	88 077	116 366	82 882	87 921
Transition C.	8 600	8 900	8 700	9 400	9 700
Total	130 839	138 692	158 317	124 968	129 110

Annual per capita income:

High Income	18 469	16 812	14 447	14 530	13 679
Upper Middle Income	25 741	24 077	18 070	18 092	17 247
Lower Middle Income	13 528	11 930	11 200	10 735	10 630
Low Income	73 101	85 873	114 600	81 611	87 554
Total	130 839	138 692	158 317	124 968	129 110

Political stability:

Stable	7 148	0	0	0	0
Fair	19 338	22 088	19 109	17 027	15 682
Unstable	31 715	33 923	27 236	29 162	26 837
Extreme Unstable	72 638	82 681	111 972	78 779	86 591
Total	130 839	138 692	158 317	124 968	129 110

Country groups and economic blocks:

ACP	87 460	98 301	126 051	91 426	96 915
ASEAN	3 984	4 050	3 950	4 100	3 950
BRICS	19 846	18 450	12 811	13 427	12 797
CPE	14 941	13 707	8 100	7 200	6 400
EC	2 260	2 300	1 377	1 454	1 559
EFTA	0	0	0	0	0
G7	7 838	6 698	6 088	5 632	4 293
MERCOSUR	852	185	4	0	0
NAFTA	7 838	6 698	6 088	5 632	4 293
OECD	15 381	14 252	12 602	12 942	11 732
SADC	79 759	89 587	117 776	84 311	89 774

Manganese

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	2 406 940	2 885 244	3 519 470	3 268 490	3 364 480
Developing C.	11 293 705	14 752 475	14 881 206	16 740 120	14 566 446
Least Developed C.	148 020	182 020	257 990	445 630	273 800
Transition C.	941 200	1 116 700	1 167 200	1 074 000	1 071 900
Total	14 789 865	18 936 439	19 825 866	21 528 240	19 276 626
Annual per capita income:					
High Income	2 397 000	2 882 410	3 525 490	3 280 990	3 358 210
Upper Middle Income	9 858 035	12 729 779	12 309 136	13 662 380	12 462 696
Lower Middle Income	2 534 230	3 322 730	3 985 880	4 582 090	3 454 720
Low Income	600	1 520	5 360	2 780	1 000
Total	14 789 865	18 936 439	19 825 866	21 528 240	19 276 626

Political stability:

Stable	0	0	0	0	0
Fair	3 152 750	4 901 464	4 218 580	5 769 490	4 564 500
Unstable	11 104 945	13 327 295	14 609 301	14 549 340	14 387 296
Extreme Unstable	532 170	707 680	997 985	1 209 410	324 830
Total	14 789 865	18 936 439	19 825 866	21 528 240	19 276 626

Country groups and economic blocks:

ACP	6 455 890	9 094 640	10 517 280	12 020 140	11 096 690
ASEAN	531 190	781 400	874 760	1 043 215	761 870
BRICS	8 178 409	10 213 767	9 030 855	10 182 574	8 570 901
CPE	2 242 000	2 610 000	1 291 000	1 463 000	1 339 000
EC	18 440	6 234	5 150	9 290	8 450
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	1 198 709	1 343 967	1 280 825	1 452 034	493 601
NAFTA	215 782	218 510	209 023	232 957	258 045
OECD	2 625 522	3 124 820	3 753 243	3 532 057	3 649 675
SADC	4 060 650	5 551 120	5 693 160	6 484 810	6 006 230

Molybdenum

	2016	2017	2018	2019	2020
	metr. t	metr. t	metr. t	metr. t	metr. t
Development status:					
Developed C.	38 984	45 465	46 448	47 986	53 772
Developing C.	212 581	230 913	215 069	219 010	215 050
Least Developed C.	0	0	0	0	0
Transition C.	11 691	9 000	8 583	10 184	14 760
Total	263 256	285 378	270 100	277 180	283 582
Annual per capita income:					
High Income	94 631	108 862	107 154	103 011	113 564
Upper Middle Income	159 362	172 696	159 056	170 349	162 732
Lower Middle Income	8 823	3 340	3 330	3 290	7 186
Low Income	440	480	560	530	100
Total	263 256	285 378	270 100	277 180	283 582
Political stability:					
Stable	2 783	0	0	0	0
Fair	96 700	111 537	110 098	105 501	116 454
Unstable	163 773	172 941	155 862	167 519	163 592
Extreme Unstable	0	900	4 140	4 160	3 536
Total	263 256	285 378	270 100	277 180	283 582

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	115 949	120 317	100 682	106 659	97 677
CPE	115 462	120 210	101 560	107 690	98 960
EC	0	0	0	0	0
EFTA	1	0	0	1	1
G7	38 983	45 465	46 448	47 985	53 771
MERCOSUR	479	651	364	0	0
NAFTA	50 879	59 450	66 713	69 679	74 348
OECD	106 527	123 096	127 869	124 705	134 141
SADC	0	0	0	0	0

Nickel

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
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Development status:

Developed C.	505 953	478 509	419 871	421 968	403 366
Developing C.	1 133 993	1 364 035	1 659 104	1 995 472	1 807 614
Least Developed C.	67 024	63 373	50 954	50 587	38 846
Transition C.	231 710	235 880	247 640	240 120	242 040
Total	1 938 680	2 141 797	2 377 569	2 708 147	2 491 866

Annual per capita income:

High Income	710 160	693 891	636 096	630 153	603 063
Upper Middle Income	576 443	623 182	628 323	1 644 042	634 528
Lower Middle Income	592 310	774 007	1 079 946	400 065	1 243 141
Low Income	59 767	50 717	33 204	33 887	11 134
Total	1 938 680	2 141 797	2 377 569	2 708 147	2 491 866

Political stability:

Stable	235 034	0	0	0	0
Fair	332 352	528 111	492 135	498 878	475 631
Unstable	1 061 448	1 598 916	1 854 124	2 190 329	1 994 235
Extreme Unstable	309 846	14 770	31 310	18 940	22 000
Total	1 938 680	2 141 797	2 377 569	2 708 147	2 491 866

Country groups and economic blocks:

ACP	205 786	199 176	210 158	213 689	190 474
ASEAN	528 678	731 627	1 014 316	1 373 725	1 167 072
BRICS	450 820	442 614	446 253	437 661	451 189
CPE	152 472	151 648	147 963	150 174	151 548
EC	43 454	56 451	64 212	56 525	49 959
EFTA	230	190	170	135	120
G7	259 134	236 402	195 467	206 557	183 943
MERCOSUR	78 626	68 803	65 254	55 744	77 133
NAFTA	259 134	236 402	195 467	206 557	183 943
OECD	515 293	493 279	433 431	426 708	423 566
SADC	125 639	99 180	94 290	96 748	68 090

Niobium (Nb₂O₅-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	6 099	6 981	7 700	6 800	6 400
Developing C.	80 803	83 318	99 755	127 410	85 682
Least Developed C.	1 034	1 033	899	670	810
Transition C.	628	648	669	659	617
Total	88 564	91 980	109 023	135 539	93 509
Annual per capita income:					
High Income	6 099	6 981	7 700	6 800	6 400
Upper Middle Income	81 327	83 844	100 243	127 899	86 219
Lower Middle Income	104	122	181	170	80
Low Income	1 034	1 033	899	670	810
Total	88 564	91 980	109 023	135 539	93 509
Political stability:					
Stable	6 099	0	0	0	0
Fair	0	7 241	7 945	7 005	6 560
Unstable	81 528	83 857	100 257	127 912	86 288
Extreme Unstable	937	882	821	622	661
Total	88 564	91 980	109 023	135 539	93 509
Country groups and economic blocks:					
ACP	1 138	1 155	1 080	840	890
ASEAN	0	0	0	0	0
BRICS	81 327	83 844	100 243	127 899	86 219
CPE	30	30	20	20	30
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	6 099	6 981	7 700	6 800	6 400
MERCOSUR	80 669	83 166	99 554	127 220	85 572
NAFTA	6 099	6 981	7 700	6 800	6 400
OECD	6 099	6 981	7 700	6 800	6 400
SADC	804	727	619	444	582

Tantalum (Ta₂O₅-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	10	20	40	80	50
Developing C.	428	869	720	607	590
Least Developed C.	1 288	1 329	1 202	892	982
Transition C.	49	45	44	32	60
Total	1 775	2 263	2 006	1 611	1 682

Annual per capita income:

High Income	10	20	40	80	50
Upper Middle Income	411	431	516	509	542
Lower Middle Income	66	483	248	130	108
Low Income	1 288	1 329	1 202	892	982
Total	1 775	2 263	2 006	1 611	1 682

Political stability:

Stable	0	0	0	0	0
Fair	18	421	447	397	292
Unstable	734	485	573	576	642
Extreme Unstable	1 023	1 357	986	638	748
Total	1 775	2 263	2 006	1 611	1 682

Country groups and economic blocks:

ACP	1 354	1 809	1 432	1 012	1 082
ASEAN	8	6	27	2	2
BRICS	403	425	489	507	540
CPE	120	110	100	135	180
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	234	270	345	340	300
NAFTA	0	0	0	0	0
OECD	10	20	40	80	50
SADC	886	818	710	519	694

Titanium (TiO₂-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	1 935 000	1 967 200	1 771 620	1 641 745	1 640 580
Developing C.	3 096 550	3 228 254	3 841 908	4 145 824	4 692 999
Least Developed C.	1 277 990	1 426 700	1 348 740	1 491 910	1 522 170
Transition C.	425 280	498 200	586 950	627 150	568 430
Total	6 734 820	7 120 354	7 549 218	7 906 629	8 424 179
Annual per capita income:					
High Income	2 026 800	2 089 870	1 888 870	1 804 535	1 798 920
Upper Middle Income	2 283 220	2 512 334	3 157 558	3 439 654	3 968 289
Lower Middle Income	1 146 810	1 091 450	1 441 990	1 451 560	1 426 540
Low Income	1 277 990	1 426 700	1 060 800	1 210 880	1 230 430
Total	6 734 820	7 120 354	7 549 218	7 906 629	8 424 179

Political stability:

Stable	550 000	0	0	0	0
Fair	1 659 010	2 280 530	2 023 720	2 205 175	1 805 930
Unstable	3 841 780	4 403 154	4 970 373	5 126 394	6 613 249
Extreme Unstable	684 030	436 670	555 125	575 060	5 000
Total	6 734 820	7 120 354	7 549 218	7 906 629	8 424 179

Country groups and economic blocks:

ACP	2 567 470	2 862 260	2 688 890	2 724 570	2 728 580
ASEAN	115 610	125 664	134 873	119 674	126 904
BRICS	2 543 940	2 569 630	3 180 790	3 566 850	4 131 740
CPE	1 305 620	1 359 160	2 054 250	2 419 580	3 031 610
EC	0	0	0	0	0
EFTA	260 000	238 200	176 370	211 280	229 780
G7	605 000	736 000	720 000	650 000	580 000
MERCOSUR	37 660	66 930	73 090	81 650	61 940
NAFTA	605 000	736 000	720 000	650 000	580 000
OECD	2 031 550	2 096 240	1 895 045	1 810 665	1 805 375
SADC	1 833 300	2 045 900	1 915 400	2 015 700	2 044 500

Tungsten (W-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	3 042	3 299	3 408	1 854	1 949
Developing C.	79 498	79 258	76 579	82 850	81 816
Least Developed C.	1 387	1 571	1 801	1 804	1 448
Transition C.	2 787	2 247	2 331	2 533	2 294
Total	86 714	86 375	84 119	89 041	87 507
Annual per capita income:					
High Income	3 056	3 299	3 408	1 854	1 949
Upper Middle Income	75 215	74 398	70 644	77 851	74 184
Lower Middle Income	7 163	7 124	7 046	6 532	9 596
Low Income	1 280	1 554	3 021	2 804	1 778
Total	86 714	86 375	84 119	89 041	87 507
Political stability:					
Stable	0	0	0	0	0
Fair	8 852	9 868	9 874	8 160	3 059
Unstable	77 698	76 221	73 721	80 326	84 068
Extreme Unstable	164	286	524	555	380
Total	86 714	86 375	84 119	89 041	87 507

Country groups and economic blocks:

ACP	1 238	1 256	1 693	1 726	1 416
ASEAN	5 240	5 514	5 136	4 968	8 203
BRICS	75 030	74 355	70 534	77 814	74 095
CPE	77 846	77 774	74 721	81 266	79 961
EC	2 934	3 294	3 398	1 824	1 849
EFTA	0	0	0	0	0
G7	732	1 086	890	0	0
MERCOSUR	323	411	300	431	371
NAFTA	0	0	45	15	32
OECD	3 056	3 299	3 453	1 869	1 981
SADC	92	133	176	297	146

Vanadium (V-Content)

	2016	2017	2018	2019	2020
	metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	0	0	0	460	17
Developing C.	68 546	63 256	67 895	79 883	86 226
Least Developed C.	0	0	0	0	0
Transition C.	16 886	18 636	17 052	18 380	19 533
Total	85 432	81 892	84 947	98 723	105 776

Annual per capita income:

High Income	0	0	0	460	17
Upper Middle Income	84 307	81 892	84 505	98 187	105 659
Lower Middle Income	1 125	0	442	76	100
Low Income	0	0	0	0	0
Total	85 432	81 892	84 947	98 723	105 776

Political stability:

Stable	0	0	0	0	0
Fair	0	0	0	460	17
Unstable	85 432	81 892	84 947	98 263	105 759
Extreme Unstable	0	0	0	0	0
Total	85 432	81 892	84 947	98 723	105 776

Country groups and economic blocks:

ACP	15 877	7 958	7 691	8 062	8 584
ASEAN	0	0	0	0	0
BRICS	85 432	81 892	84 947	98 263	105 759
CPE	45 000	48 500	53 200	64 700	69 960
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	460	17
MERCOSUR	6 544	6 798	6 562	7 045	7 582
NAFTA	0	0	0	460	17
OECD	0	0	0	460	17
SADC	15 877	7 958	7 691	8 062	8 584

6.3.2 Non-Ferrous Metals

Aluminium

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	10 196 793	10 047 511	9 966 543	9 986 081	10 078 510
Developing C.	43 637 330	45 786 376	49 560 121	48 266 635	50 357 300
Least Developed C.	571 125	577 495	571 125	564 756	571 125
Transition C.	4 108 221	4 133 562	4 345 261	4 397 007	4 344 633
Total	58 513 469	60 544 944	64 443 050	63 214 479	65 351 568
Annual per capita income:					
High Income	15 121 941	15 412 474	15 106 109	15 723 562	15 685 036
Upper Middle Income	39 134 301	40 428 920	44 378 662	42 803 164	44 394 540
Lower Middle Income	3 686 102	4 022 908	4 291 354	4 022 197	4 700 867
Low Income	571 125	680 642	666 925	665 556	571 125
Total	58 513 469	60 544 944	64 443 050	63 214 479	65 351 568
Political stability:					
Stable	4 247 524	1 096 728	1 072 156	1 034 097	1 025 303
Fair	10 135 782	13 727 536	13 769 925	13 389 329	13 914 606
Unstable	43 754 356	45 211 157	49 092 278	48 391 587	49 929 688
Extreme Unstable	375 807	509 523	508 691	399 466	481 971
Total	58 513 469	60 544 944	64 443 050	63 214 479	65 351 568
Country groups and economic blocks:					
ACP	1 389 824	1 402 593	1 393 892	1 378 864	1 373 191
ASEAN	865 483	975 192	979 306	993 457	1 200 789
BRICS	39 726 729	41 790 918	45 674 181	44 258 289	46 030 937
CPE	31 775 400	33 289 600	36 831 000	35 361 600	37 080 400
EC	2 249 935	2 257 220	2 204 107	2 090 562	1 992 863
EFTA	1 947 080	2 012 988	2 026 478	1 994 616	2 021 989
G7	5 044 758	4 976 238	4 784 341	4 928 987	5 095 323
MERCOSUR	1 366 657	1 368 939	1 163 300	1 098 634	1 004 900
NAFTA	4 027 318	3 953 008	3 821 041	3 979 803	4 145 327
OECD	10 003 093	9 840 960	9 757 024	9 783 855	9 886 803
SADC	1 272 125	1 293 495	1 285 125	1 281 756	1 288 125

Antimony

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	4 285	3 132	2 178	2 034	3 905
Developing C.	112 645	106 769	79 306	76 164	67 859
Least Developed C.	2 242	4 820	2 970	4 870	6 600
Transition C.	36 043	34 220	60 548	51 591	49 552
Total	155 215	148 941	145 002	134 659	127 916
Annual per capita income:					
High Income	4 285	3 132	2 178	2 034	3 905
Upper Middle Income	116 893	110 113	106 889	94 677	81 283
Lower Middle Income	34 037	9 326	7 045	8 048	42 728
Low Income	0	26 370	28 890	29 900	0
Total	155 215	148 941	145 002	134 659	127 916
Political stability:					
Stable	0	0	0	0	0
Fair	5 330	4 032	2 753	2 500	3 905
Unstable	147 114	140 054	134 374	123 214	116 329
Extreme Unstable	2 771	4 855	7 875	8 945	7 682
Total	155 215	148 941	145 002	134 659	127 916
Country groups and economic blocks:					
ACP	350	0	0	0	0
ASEAN	2 504	5 050	3 215	5 266	6 987
BRICS	110 590	103 803	101 224	90 093	78 527
CPE	103 850	97 913	70 641	68 818	61 382
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	1	5	2	2
MERCOSUR	0	0	0	0	0
NAFTA	166	241	305	291	138
OECD	7 201	8 212	6 048	6 138	6 611
SADC	350	0	0	0	0

Arsenic

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	1 045	1 045	1 045	1 045	1 040
Developing C.	56 372	55 402	50 192	54 096	50 758
Least Developed C.	0	0	0	0	0
Transition C.	1 500	1 000	500	102	100
Total	58 917	57 447	51 737	55 243	51 898

Annual per capita income:

High Income	1 045	1 045	1 045	1 045	1 040
Upper Middle Income	51 712	49 503	44 876	49 017	43 114
Lower Middle Income	6 160	6 899	5 816	5 181	7 744
Low Income	0	0	0	0	0
Total	58 917	57 447	51 737	55 243	51 898

Political stability:

Stable	0	0	0	0	0
Fair	3 005	1 745	1 045	1 045	1 040
Unstable	55 912	55 702	50 692	54 198	50 858
Extreme Unstable	0	0	0	0	0
Total	58 917	57 447	51 737	55 243	51 898

Country groups and economic blocks:

ACP	1 960	700	0	0	0
ASEAN	0	0	0	0	0
BRICS	26 500	26 000	24 500	24 102	24 100
CPE	25 000	25 000	24 000	24 000	24 000
EC	1 000	1 000	1 000	1 000	1 000
EFTA	0	0	0	0	0
G7	45	45	45	45	40
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	1 045	1 045	1 045	1 045	1 040
SADC	1 960	700	0	0	0

Bauxite (crude ore)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	85 756 354	91 852 409	98 032 628	107 202 152	105 209 966
Developing C.	157 192 963	152 644 372	161 756 073	170 387 032	171 712 660
Least Developed C.	34 028 487	55 016 374	63 168 287	73 299 243	89 982 714
Transition C.	12 302 168	12 359 331	14 389 608	12 577 468	12 116 361
Total	289 279 972	311 872 486	337 346 596	363 465 895	379 021 701
Annual per capita income:					
High Income	90 514 574	95 977 409	102 938 628	112 329 152	110 452 966
Upper Middle Income	136 689 902	132 241 876	131 800 021	151 103 003	126 169 708
Lower Middle Income	28 281 509	30 160 727	41 085 860	27 968 527	53 284 198
Low Income	33 793 987	53 492 474	61 522 087	72 065 213	89 114 829
Total	289 279 972	311 872 486	337 346 596	363 465 895	379 021 701

Political stability:

Stable	0	0	0	0	0
Fair	106 431 196	109 530 393	114 422 565	123 950 088	115 364 271
Unstable	181 802 596	200 305 574	221 142 021	236 288 603	262 514 058
Extreme Unstable	1 046 180	2 036 519	1 782 010	3 227 204	1 143 372
Total	289 279 972	311 872 486	337 346 596	363 465 895	379 021 701

Country groups and economic blocks:

ACP	45 256 752	66 315 731	76 221 830	85 357 610	99 568 652
ASEAN	8 800 822	5 128 380	15 183 235	21 193 301	30 064 610
BRICS	136 242 387	135 093 206	133 874 619	135 404 127	129 913 465
CPE	67 763 800	70 955 000	74 320 700	78 700 000	73 610 000
EC	1 966 306	2 079 720	1 685 335	1 503 465	1 566 715
EFTA	0	0	0	0	0
G7	365 016	491 155	509 700	264 900	140 440
MERCOSUR	39 584 200	38 314 100	32 469 000	31 987 900	32 897 800
NAFTA	368 900	352 100	399 700	154 900	16 440
OECD	86 831 730	93 559 338	98 698 990	109 443 290	107 595 562
SADC	1 524	3 194	9 919	8 024	32 486

Beryllium (concentrates)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	3 870	3 760	4 170	4 050	4 160
Developing C.	1 375	1 319	1 324	1 760	1 762
Least Developed C.	356	227	593	57	132
Transition C.	0	0	0	0	0
Total	5 601	5 306	6 087	5 867	6 054
Annual per capita income:					
High Income	3 870	3 760	4 170	4 050	4 160
Upper Middle Income	1 375	1 319	1 289	1 759	1 760
Lower Middle Income	5	4	42	8	4
Low Income	351	223	586	50	130
Total	5 601	5 306	6 087	5 867	6 054
Political stability:					
Stable	0	0	0	0	0
Fair	3 875	3 794	4 207	4 070	4 180
Unstable	1 726	1 512	1 845	1 796	1 872
Extreme Unstable	0	0	35	1	2
Total	5 601	5 306	6 087	5 867	6 054

Country groups and economic blocks:

ACP	356	227	628	58	134
ASEAN	0	0	0	0	0
BRICS	1 375	1 319	1 289	1 759	1 760
CPE	1 250	1 250	1 250	1 750	1 750
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	3 870	3 760	4 170	4 050	4 160
MERCOSUR	125	69	39	9	10
NAFTA	3 870	3 760	4 170	4 050	4 160
OECD	3 870	3 760	4 170	4 050	4 160
SADC	326	197	563	37	112

Bismuth

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	431	529	576	544	574
Developing C.	9 897	9 847	10 136	8 281	8 622
Least Developed C.	0	0	0	0	0
Transition C.	291	231	174	248	317
Total	10 619	10 607	10 886	9 073	9 513

Annual per capita income:

High Income	431	529	576	544	574
Upper Middle Income	8 117	7 667	7 632	7 610	7 889
Lower Middle Income	2 071	2 411	2 678	919	1 050
Low Income	0	0	0	0	0
Total	10 619	10 607	10 886	9 073	9 513

Political stability:

Stable	3	0	0	0	0
Fair	2 701	3 132	3 215	1 461	574
Unstable	7 915	7 475	7 671	7 612	8 939
Extreme Unstable	0	0	0	0	0
Total	10 619	10 607	10 886	9 073	9 513

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	2 013	2 403	2 639	917	993
BRICS	7 130	6 830	7 015	7 046	7 545
CPE	9 113	9 203	9 639	7 917	8 493
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	431	529	576	544	574
MERCOSUR	0	0	0	0	0
NAFTA	542	517	318	295	4
OECD	970	1 042	889	835	574
SADC	0	0	0	0	0

Cadmium

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	7 242	7 022	6 615	6 200	6 195
Developing C.	15 407	15 833	18 095	16 354	15 825
Least Developed C.	0	0	0	0	0
Transition C.	4 072	4 172	2 288	2 450	2 950
Total	26 721	27 027	26 998	25 004	24 970
Annual per capita income:					
High Income	11 475	11 745	11 402	9 835	9 984
Upper Middle Income	14 721	14 729	15 159	14 769	14 386
Lower Middle Income	325	353	237	250	450
Low Income	200	200	200	150	150
Total	26 721	27 027	26 998	25 004	24 970
Political stability:					
Stable	2 305	0	0	0	0
Fair	12 305	14 768	11 789	10 150	10 341
Unstable	12 111	12 259	15 209	14 854	14 629
Extreme Unstable	0	0	0	0	0
Total	26 721	27 027	26 998	25 004	24 970
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	9 557	9 814	11 850	11 450	11 100
CPE	8 422	8 611	10 549	10 150	10 150
EC	2 214	2 262	2 098	1 994	1 771
EFTA	335	416	380	370	344
G7	5 345	5 074	4 657	4 456	4 580
MERCOSUR	291	276	374	530	146
NAFTA	3 949	3 344	3 464	3 005	3 178
OECD	12 719	12 791	12 709	10 787	10 962
SADC	0	0	0	0	0

Copper

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	3 993 042	3 665 356	3 592 265	3 596 148	3 423 790
Developing C.	12 944 832	12 604 659	12 850 918	12 645 276	12 637 778
Least Developed C.	2 135 564	2 226 692	2 486 601	2 677 504	2 945 851
Transition C.	1 436 189	1 587 153	1 772 625	1 731 418	1 780 944
Total	20 509 627	20 083 860	20 702 409	20 650 346	20 788 363

Annual per capita income:

High Income	9 453 339	9 126 866	9 361 660	9 485 368	9 119 210
Upper Middle Income	7 305 731	7 341 224	7 442 644	7 736 772	7 188 007
Lower Middle Income	2 655 069	2 467 533	2 608 256	1 940 574	2 744 457
Low Income	1 095 488	1 148 237	1 289 849	1 487 632	1 736 689
Total	20 509 627	20 083 860	20 702 409	20 650 346	20 788 363

Political stability:

Stable	695 508	0	0	0	0
Fair	10 818 063	11 102 957	10 862 248	10 019 070	9 766 862
Unstable	7 767 284	7 791 013	8 005 874	8 550 460	8 785 514
Extreme Unstable	1 228 772	1 189 890	1 834 287	2 080 816	2 235 987
Total	20 509 627	20 083 860	20 702 409	20 650 346	20 788 363

Country groups and economic blocks:

ACP	2 067 111	2 168 579	2 347 842	2 517 780	2 805 017
ASEAN	1 095 977	991 469	1 080 623	812 487	892 956
BRICS	2 987 148	2 949 124	2 954 172	2 938 599	3 050 513
CPE	2 267 560	2 057 420	1 968 530	2 005 670	2 049 940
EC	919 979	959 041	913 358	867 382	868 370
EFTA	0	0	0	0	0
G7	2 125 549	1 857 257	1 768 062	1 803 649	1 675 935
MERCOSUR	420 823	417 845	403 197	363 268	352 635
NAFTA	2 919 490	2 599 440	2 464 591	2 517 313	2 476 214
OECD	10 325 027	9 876 566	10 085 132	10 046 429	9 947 466
SADC	1 919 246	2 000 843	2 179 522	2 347 913	2 659 467

Gallium

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	7	3	3	3	3
Developing C.	174	293	308	358	292
Least Developed C.	0	0	0	0	0
Transition C.	13	14	12	13	9
Total	194	310	323	374	304
Annual per capita income:					
High Income	10	6	6	5	5
Upper Middle Income	175	295	311	364	295
Lower Middle Income	9	9	6	5	4
Low Income	0	0	0	0	0
Total	194	310	323	374	304

Political stability:

Stable	0	0	0	0	0
Fair	10	6	6	5	5
Unstable	175	295	311	364	299
Extreme Unstable	9	9	6	5	0
Total	194	310	323	374	304

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	175	295	311	364	295
CPE	171	290	305	356	290
EC	4	0	0	0	0
EFTA	0	0	0	0	0
G7	7	3	3	3	3
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	10	6	6	5	5
SADC	0	0	0	0	0

Germanium

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	5	4	4	4	4
Developing C.	110	87	95	85	86
Least Developed C.	0	0	0	0	0
Transition C.	7	7	7	6	6
Total	122	98	106	95	96
Annual per capita income:					
High Income	5	4	4	4	4
Upper Middle Income	116	93	101	90	91
Lower Middle Income	1	1	1	1	1
Low Income	0	0	0	0	0
Total	122	98	106	95	96
Political stability:					
Stable	0	0	0	0	0
Fair	5	4	4	4	4
Unstable	116	93	101	90	92
Extreme Unstable	1	1	1	1	0
Total	122	98	106	95	96

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	116	93	101	90	91
CPE	110	87	95	85	86
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	5	4	4	4	4
MERCOSUR	0	0	0	0	0
NAFTA	3	2	2	2	2
OECD	5	4	4	4	4
SADC	0	0	0	0	0

Indium

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
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Development status:

Developed C.	171	197	191	189	189
Developing C.	577	580	635	722	745
Least Developed C.	0	0	0	0	0
Transition C.	5	5	4	6	10
Total	753	782	830	917	944

Annual per capita income:

High Income	381	412	426	414	399
Upper Middle Income	372	370	404	503	545
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	753	782	830	917	944

Political stability:

Stable	71	0	0	0	0
Fair	310	412	426	414	399
Unstable	372	370	404	503	545
Extreme Unstable	0	0	0	0	0
Total	753	782	830	917	944

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	367	365	399	496	538
CPE	357	355	395	490	528
EC	30	60	63	58	60
EFTA	0	0	0	0	0
G7	151	177	171	169	169
MERCOSUR	5	5	0	0	0
NAFTA	71	67	58	61	63
OECD	381	412	426	414	399
SADC	0	0	0	0	0

Lead

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	981 229	897 213	936 453	1 009 919	1 013 103
Developing C.	3 323 734	3 271 009	3 235 457	3 478 574	3 350 600
Least Developed C.	22 211	15 550	25 260	35 340	27 380
Transition C.	387 900	466 520	432 770	416 640	354 900
Total	4 715 074	4 650 292	4 629 940	4 940 473	4 745 983
Annual per capita income:					
High Income	963 019	919 090	914 105	988 506	994 979
Upper Middle Income	3 317 222	3 214 220	3 163 052	3 421 647	3 171 911
Lower Middle Income	397 932	424 292	464 793	439 750	555 093
Low Income	36 901	92 690	87 990	90 570	24 000
Total	4 715 074	4 650 292	4 629 940	4 940 473	4 745 983
Political stability:					
Stable	12 653	0	0	0	0
Fair	1 082 169	1 070 440	1 035 796	1 083 906	1 090 557
Unstable	3 540 155	3 477 552	3 420 904	3 645 857	3 519 142
Extreme Unstable	80 097	102 300	173 240	210 710	136 284
Total	4 715 074	4 650 292	4 629 940	4 940 473	4 745 983
Country groups and economic blocks:					
ACP	60 745	79 715	82 689	108 806	87 038
ASEAN	28 190	27 685	51 140	58 660	48 950
BRICS	2 631 019	2 512 529	2 487 415	2 548 141	2 411 609
CPE	2 269 820	2 124 990	2 119 200	2 184 000	2 049 380
EC	181 238	171 546	192 008	212 326	209 062
EFTA	0	0	0	0	0
G7	358 753	330 577	297 974	296 758	309 870
MERCOSUR	37 031	47 094	35 537	48 672	28 359
NAFTA	605 408	573 499	528 743	668 714	778 256
OECD	1 274 074	1 196 967	1 220 964	1 431 572	1 544 985
SADC	46 245	53 955	39 409	49 256	36 938

Lithium (Li₂O-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	31 747	100 350	126 084	106 360	90 050
Developing C.	51 920	61 983	72 380	82 820	95 800
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	83 667	162 333	198 464	189 180	185 850

Annual per capita income:

High Income	62 987	145 230	164 934	151 300	139 780
Upper Middle Income	18 640	15 233	30 310	35 060	45 130
Lower Middle Income	10	20	3 220	2 820	940
Low Income	2 030	1 850	0	0	0
Total	83 667	162 333	198 464	189 180	185 850

Political stability:

Stable	0	0	0	0	0
Fair	75 187	145 230	179 344	151 300	152 400
Unstable	8 480	17 103	19 070	37 870	33 450
Extreme Unstable	0	0	50	10	0
Total	83 667	162 333	198 464	189 180	185 850

Country groups and economic blocks:

ACP	2 030	1 850	3 810	2 660	860
ASEAN	0	0	0	0	0
BRICS	6 440	15 233	15 900	21 390	32 510
CPE	6 000	14 700	15 300	19 000	28 800
EC	307	604	914	710	280
EFTA	0	0	0	0	0
G7	1 800	1 486	10 250	2 650	1 220
MERCOSUR	12 640	12 893	14 410	16 060	16 330
NAFTA	1 800	1 486	10 250	2 650	1 220
OECD	62 987	132 870	164 934	151 300	139 780
SADC	2 030	1 850	3 760	2 650	860

Mercury

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	15	15	15	15	15
Developing C.	3 859	2 221	2 591	2 148	2 065
Least Developed C.	0	0	0	0	0
Transition C.	220	160	258	150	210
Total	4 094	2 396	2 864	2 313	2 290
Annual per capita income:					
High Income	17	74	18	15	15
Upper Middle Income	3 887	2 202	2 633	2 196	2 093
Lower Middle Income	190	20	93	22	182
Low Income	0	100	120	80	0
Total	4 094	2 396	2 864	2 313	2 290

Political stability:

Stable	0	0	0	0	0
Fair	152	74	68	15	15
Unstable	3 942	2 322	2 796	2 298	2 275
Extreme Unstable	0	0	0	0	0
Total	4 094	2 396	2 864	2 313	2 290

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	3 483	1 999	2 353	2 096	2 023
CPE	3 433	1 949	2 303	2 046	1 993
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	15	15	15	15	15
MERCOSUR	135	54	50	50	0
NAFTA	282	215	245	65	85
OECD	284	220	248	65	85
SADC	0	0	0	0	0

Rare Earth Minerals (REO-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	13 872	17 264	32 556	45 660	58 440
Developing C.	110 160	108 440	123 900	134 770	142 878
Least Developed C.	2 730	5 031	21 031	17 295	21 296
Transition C.	3 063	2 500	2 596	2 620	2 663
Total	129 825	133 235	180 083	200 345	225 277
Annual per capita income:					
High Income	13 872	17 264	32 556	45 660	58 440
Upper Middle Income	112 093	109 580	124 386	135 290	143 441
Lower Middle Income	3 860	6 360	22 510	19 200	23 100
Low Income	0	31	631	195	296
Total	129 825	133 235	180 083	200 345	225 277
Political stability:					
Stable	0	0	0	0	0
Fair	15 002	17 444	33 546	45 730	58 510
Unstable	114 823	115 760	125 506	137 320	145 471
Extreme Unstable	0	31	21 031	17 295	21 296
Total	129 825	133 235	180 083	200 345	225 277

Country groups and economic blocks:

ACP	0	31	631	195	296
ASEAN	3 860	5 180	21 390	17 170	21 070
BRICS	112 093	110 760	125 506	137 320	145 471
CPE	105 000	105 000	120 000	132 000	140 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	14 000	28 000	39 000
MERCOSUR	2 900	1 900	800	600	708
NAFTA	0	0	14 000	28 000	39 000
OECD	13 872	17 264	32 556	45 660	58 440
SADC	0	0	0	0	0

Rhenium

	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg
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Development status:

Developed C.	14 883	15 764	14 510	14 130	15 410
Developing C.	24 942	22 951	28 552	26 503	17 049
Least Developed C.	0	0	0	0	0
Transition C.	9 140	4 890	3 380	3 110	4 260
Total	48 965	43 605	46 442	43 743	36 719

Annual per capita income:

High Income	37 425	36 215	40 562	38 133	29 959
Upper Middle Income	10 600	6 860	5 380	4 810	5 760
Lower Middle Income	940	530	500	800	1 000
Low Income	0	0	0	0	0
Total	48 965	43 605	46 442	43 743	36 719

Political stability:

Stable	0	0	0	0	0
Fair	44 125	38 815	40 562	38 133	29 959
Unstable	4 840	4 790	5 880	5 610	6 760
Extreme Unstable	0	0	0	0	0
Total	48 965	43 605	46 442	43 743	36 719

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	3 900	4 000	3 500	3 500	4 500
CPE	2 400	2 500	2 500	2 500	2 500
EC	6 443	7 564	6 290	5 770	6 580
EFTA	0	0	0	0	0
G7	8 440	8 200	8 220	8 360	8 830
MERCOSUR	0	0	0	0	0
NAFTA	8 440	8 200	8 220	8 360	8 830
OECD	37 425	36 215	40 562	38 133	29 959
SADC	0	0	0	0	0

Selenium

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	2 199	1 720	1 739	1 730	1 700
Developing C.	1 045	999	1 209	1 554	1 389
Least Developed C.	0	0	0	0	0
Transition C.	239	287	251	253	245
Total	3 483	3 006	3 199	3 537	3 334
Annual per capita income:					
High Income	2 199	1 720	1 739	1 730	1 700
Upper Middle Income	1 166	1 144	1 315	1 660	1 484
Lower Middle Income	118	142	145	147	150
Low Income	0	0	0	0	0
Total	3 483	3 006	3 199	3 537	3 334
Political stability:					
Stable	175	0	0	0	0
Fair	2 055	1 787	1 767	1 730	1 700
Unstable	1 163	1 219	1 432	1 807	1 634
Extreme Unstable	90	0	0	0	0
Total	3 483	3 006	3 199	3 537	3 334
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	90	100	100	100	100
BRICS	986	931	1 132	1 460	1 325
CPE	772	720	930	1 250	1 120
EC	1 150	740	734	744	708
EFTA	0	0	0	0	0
G7	1 749	1 280	1 305	1 286	1 292
MERCOSUR	0	0	0	0	0
NAFTA	418	300	344	373	358
OECD	2 320	1 832	1 846	1 857	1 806
SADC	0	0	0	0	0

Tellurium

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	144	96	132	109	141
Developing C.	279	470	480	380	260
Least Developed C.	0	0	0	0	0
Transition C.	43	47	37	40	43
Total	466	613	649	529	444

Annual per capita income:

High Income	140	91	128	106	137
Upper Middle Income	323	519	519	421	304
Lower Middle Income	3	3	2	2	3
Low Income	0	0	0	0	0
Total	466	613	649	529	444

Political stability:

Stable	18	0	0	0	0
Fair	126	96	132	109	141
Unstable	322	517	517	420	303
Extreme Unstable	0	0	0	0	0
Total	466	613	649	529	444

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	319	514	515	418	300
CPE	279	470	480	380	260
EC	43	40	49	44	46
EFTA	0	0	0	0	0
G7	101	56	83	65	95
MERCOSUR	0	0	0	0	0
NAFTA	68	18	25	15	25
OECD	140	91	128	106	137
SADC	0	0	0	0	0

Tin

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	6 840	7 762	7 283	7 947	8 318
Developing C.	218 080	224 780	240 873	230 828	215 518
Least Developed C.	71 685	82 353	67 466	53 376	50 896
Transition C.	627	1 011	1 531	2 471	2 559
Total	297 232	315 906	317 153	294 622	277 291
Annual per capita income:					
High Income	6 840	7 762	7 283	7 947	8 318
Upper Middle Income	130 425	115 842	128 708	202 851	137 970
Lower Middle Income	150 687	178 224	168 626	69 896	114 182
Low Income	9 280	14 078	12 536	13 928	16 821
Total	297 232	315 906	317 153	294 622	277 291

Political stability:

Stable	0	0	0	0	0
Fair	16 496	22 206	20 756	21 264	14 151
Unstable	270 739	274 926	224 975	216 425	208 939
Extreme Unstable	9 997	18 774	71 422	56 933	54 201
Total	297 232	315 906	317 153	294 622	277 291

Country groups and economic blocks:

ACP	12 723	22 338	20 386	20 853	23 068
ASEAN	133 966	156 705	147 399	125 846	96 614
BRICS	107 429	92 905	106 208	102 934	113 925
CPE	96 103	80 020	92 840	91 973	101 258
EC	205	360	412	209	200
EFTA	0	0	0	0	0
G7	144	255	220	0	0
MERCOSUR	15 183	17 081	17 591	14 867	16 893
NAFTA	0	0	0	0	0
OECD	6 840	7 762	7 283	7 947	8 318
SADC	6 607	10 459	8 956	11 015	14 947

Zinc

	2016	2017	2018	2019	2020
	metr. t	metr. t	metr. t	metr. t	metr. t
Development status:					
Developed C.	2 710 490	2 651 577	3 066 990	3 188 661	3 022 704
Developing C.	8 764 702	8 231 173	8 120 757	8 856 756	8 621 636
Least Developed C.	141 687	212 417	240 529	244 477	228 395
Transition C.	747 920	774 720	783 646	796 102	735 564
Total	12 364 799	11 869 887	12 211 922	13 085 996	12 608 299
Annual per capita income:					
High Income	2 739 560	2 709 064	3 103 840	3 211 091	3 071 496
Upper Middle Income	7 883 427	7 282 813	7 250 291	8 039 308	7 667 363
Lower Middle Income	1 543 375	1 549 803	1 518 252	1 489 490	1 628 215
Low Income	198 437	328 207	339 539	346 107	241 225
Total	12 364 799	11 869 887	12 211 922	13 085 996	12 608 299
Political stability:					
Stable	321 272	0	0	0	0
Fair	2 977 030	3 203 972	3 362 038	3 451 698	3 228 297
Unstable	8 914 110	8 456 088	8 454 597	9 201 636	9 076 253
Extreme Unstable	152 387	209 827	395 287	432 662	303 749
Total	12 364 799	11 869 887	12 211 922	13 085 996	12 608 299

Country groups and economic blocks:

ACP	311 158	395 185	445 316	570 831	527 372
ASEAN	62 920	40 530	47 390	48 950	43 090
BRICS	5 821 472	5 083 426	4 932 778	5 495 011	5 405 406
CPE	4 761 100	3 960 750	3 849 200	4 351 080	4 189 780
EC	699 592	678 837	791 245	775 340	779 087
EFTA	0	0	0	0	0
G7	1 126 072	1 120 576	1 128 964	1 076 000	928 707
MERCOSUR	180 989	179 740	189 299	182 856	185 810
NAFTA	1 792 968	1 792 020	1 791 319	1 935 194	1 936 959
OECD	3 520 926	3 491 229	3 923 595	4 183 955	4 182 548
SADC	171 752	175 035	147 486	251 394	238 381

6.3.3 Precious Metals

Gold

	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg
Development status:					
Developed C.	727 469	755 823	783 418	760 606	748 956
Developing C.	1 723 198	1 698 315	1 707 368	1 651 345	1 473 425
Least Developed C.	343 236	394 765	378 480	345 752	411 666
Transition C.	464 069	487 374	515 613	560 276	578 756
Total	3 257 972	3 336 277	3 384 879	3 317 979	3 212 803
Annual per capita income:					
High Income	772 275	855 383	823 302	806 068	786 415
Upper Middle Income	1 563 741	1 485 867	1 527 720	1 628 271	1 466 959
Lower Middle Income	658 920	686 644	764 379	606 301	631 221
Low Income	263 036	308 383	269 478	277 339	328 208
Total	3 257 972	3 336 277	3 384 879	3 317 979	3 212 803
Political stability:					
Stable	173 789	10 288	10 045	8 217	5 860
Fair	826 433	1 185 275	976 656	1 047 941	1 029 628
Unstable	2 006 762	1 889 700	2 141 751	2 028 826	2 010 983
Extreme Unstable	250 988	251 014	256 427	232 995	166 332
Total	3 257 972	3 336 277	3 384 879	3 317 979	3 212 803

Country groups and economic blocks:

ACP	806 122	881 949	862 338	816 225	815 919
ASEAN	129 479	134 548	165 609	138 711	93 209
BRICS	945 029	915 100	884 975	882 195	869 836
CPE	482 520	456 548	432 344	407 005	396 184
EC	26 870	30 312	32 417	29 230	31 865
EFTA	0	0	0	0	0
G7	398 668	421 722	426 617	396 920	383 380
MERCOSUR	152 919	149 828	153 088	152 213	142 858
NAFTA	525 742	542 166	561 298	524 435	518 539
OECD	921 848	932 765	977 704	964 135	958 016
SADC	254 683	254 947	243 544	231 750	215 731

Palladium

	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg
Development status:					
Developed C.	35 811	34 378	36 739	38 757	37 267
Developing C.	89 795	93 935	94 023	93 624	80 454
Least Developed C.	0	0	0	0	0
Transition C.	86 523	76 320	92 625	93 028	82 181
Total	212 129	204 633	223 387	225 409	199 902

Annual per capita income:

High Income	35 811	34 378	36 739	38 757	37 267
Upper Middle Income	164 096	158 433	174 554	174 984	149 654
Lower Middle Income	0	0	12 094	11 668	12 981
Low Income	12 222	11 822	0	0	0
Total	212 129	204 633	223 387	225 409	199 902

Political stability:

Stable	21 200	0	0	0	0
Fair	14 634	34 428	36 794	38 757	37 267
Unstable	176 295	170 205	186 593	186 652	162 635
Extreme Unstable	0	0	0	0	0
Total	212 129	204 633	223 387	225 409	199 902

Country groups and economic blocks:

ACP	88 495	92 535	92 723	92 324	79 154
ASEAN	0	0	0	0	0
BRICS	164 073	158 383	174 499	174 884	149 554
CPE	1 300	1 400	1 300	1 300	1 300
EC	931	1 028	1 162	704	862
EFTA	0	0	0	0	0
G7	34 270	32 740	35 147	37 663	35 985
MERCOSUR	0	0	0	0	0
NAFTA	34 270	32 740	35 147	37 663	35 985
OECD	35 811	34 378	36 739	38 757	37 267
SADC	88 495	92 535	92 723	92 324	79 154

Platinum

	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg
Development status:					
Developed C.	14 971	12 414	13 319	13 548	13 946
Developing C.	152 268	149 824	154 526	149 524	129 911
Least Developed C.	0	0	0	0	0
Transition C.	22 303	22 403	21 376	22 430	21 762
Total	189 542	184 641	189 221	185 502	165 619
Annual per capita income:					
High Income	14 971	12 414	13 319	13 548	13 946
Upper Middle Income	159 461	157 970	161 199	158 097	136 669
Lower Middle Income	0	0	14 703	13 857	15 004
Low Income	15 110	14 257	0	0	0
Total	189 542	184 641	189 221	185 502	165 619
Political stability:					
Stable	9 700	0	0	0	0
Fair	5 274	12 417	13 325	13 548	13 946
Unstable	174 568	172 224	175 896	171 954	151 673
Extreme Unstable	0	0	0	0	0
Total	189 542	184 641	189 221	185 502	165 619
Country groups and economic blocks:					
ACP	148 351	146 757	151 756	146 846	126 997
ASEAN	0	0	0	0	0
BRICS	158 541	157 400	160 923	157 909	136 233
CPE	3 000	2 500	2 500	2 500	2 500
EC	1 228	1 429	1 584	961	1 283
EFTA	0	0	0	0	0
G7	13 591	10 830	11 625	12 492	12 563
MERCOSUR	0	0	0	0	0
NAFTA	13 591	10 830	11 625	12 492	12 563
OECD	14 971	12 414	13 319	13 548	13 946
SADC	148 351	146 757	151 756	146 846	126 997

Rhodium

	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg
Development status:					
Developed C.	753	700	850	930	830
Developing C.	20 559	19 948	19 942	20 769	18 340
Least Developed C.	0	0	0	0	0
Transition C.	2 644	2 426	2 146	2 115	1 800
Total	23 956	23 074	22 938	23 814	20 970

Annual per capita income:

High Income	753	700	850	930	830
Upper Middle Income	21 881	21 091	20 754	21 660	18 772
Lower Middle Income	0	0	1 334	1 224	1 368
Low Income	1 322	1 283	0	0	0
Total	23 956	23 074	22 938	23 814	20 970

Political stability:

Stable	650	0	0	0	0
Fair	103	700	850	930	830
Unstable	23 203	22 374	22 088	22 884	20 140
Extreme Unstable	0	0	0	0	0
Total	23 956	23 074	22 938	23 814	20 970

Country groups and economic blocks:

ACP	20 559	19 948	19 942	20 769	18 340
ASEAN	0	0	0	0	0
BRICS	21 881	21 091	20 754	21 660	18 772
CPE	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	753	700	850	930	830
MERCOSUR	0	0	0	0	0
NAFTA	753	700	850	930	830
OECD	753	700	850	930	830
SADC	20 559	19 948	19 942	20 769	18 340

Silver

	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg
Development status:					
Developed C.	4 988 257	4 568 097	4 612 895	4 655 841	4 624 016
Developing C.	20 139 385	19 651 217	20 479 670	20 606 840	18 796 942
Least Developed C.	93 832	70 200	96 150	106 697	123 733
Transition C.	2 994 624	2 746 409	2 628 690	2 691 482	2 703 198
Total	28 216 098	27 035 923	27 817 405	28 060 860	26 247 889

Annual per capita income:

High Income	6 423 376	6 821 152	5 931 686	5 971 990	6 157 348
Upper Middle Income	17 948 987	17 199 263	18 890 544	19 410 407	17 184 280
Lower Middle Income	3 751 807	2 913 599	2 858 930	2 558 557	2 772 445
Low Income	91 928	101 909	136 245	119 906	133 816
Total	28 216 098	27 035 923	27 817 405	28 060 860	26 247 889

Political stability:

Stable	406 469	8 022	6 332	4 060	1 393
Fair	8 573 686	8 179 542	7 295 528	6 238 595	7 225 046
Unstable	19 021 262	18 687 743	20 254 601	21 517 905	18 962 930
Extreme Unstable	214 681	160 616	260 944	300 300	58 520
Total	28 216 098	27 035 923	27 817 405	28 060 860	26 247 889

Country groups and economic blocks:

ACP	324 883	322 706	394 325	412 229	365 803
ASEAN	351 759	404 762	377 599	553 796	388 164
BRICS	5 812 426	5 641 427	5 596 953	5 565 443	5 551 743
CPE	3 889 120	3 738 990	3 560 520	3 573 064	3 505 562
EC	2 005 493	2 013 704	2 010 898	1 984 803	1 961 216
EFTA	0	0	0	0	0
G7	1 560 599	1 432 196	1 346 185	1 346 019	1 328 163
MERCOSUR	1 104 493	1 044 361	1 073 368	1 120 670	817 087
NAFTA	7 026 477	7 237 822	8 580 930	8 824 024	8 744 425
OECD	12 067 814	11 784 483	13 370 767	13 639 155	13 672 207
SADC	79 143	83 313	65 758	79 618	62 255

6.3.4 Industrial Minerals

Asbestos

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	0	0	0	0	0
Developing C.	380 800	254 120	281 439	137 205	197 057
Least Developed C.	0	0	0	0	0
Transition C.	906 275	902 950	955 817	1 000 300	977 400
Total	1 287 075	1 157 070	1 237 256	1 137 505	1 174 457
Annual per capita income:					
High Income	0	26	0	0	0
Upper Middle Income	1 287 075	1 157 044	1 237 256	1 137 505	1 174 457
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	1 287 075	1 157 070	1 237 256	1 137 505	1 174 457
Political stability:					
Stable	0	0	0	0	0
Fair	192 600	192 726	0	0	0
Unstable	1 094 475	964 344	1 237 256	1 137 505	1 174 457
Extreme Unstable	0	0	0	0	0
Total	1 287 075	1 157 070	1 237 256	1 137 505	1 174 457

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	1 094 475	964 344	1 034 356	926 805	947 057
CPE	203 000	125 000	170 000	125 000	120 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	177 800	129 120	111 439	12 205	77 057
NAFTA	0	0	0	0	0
OECD	0	0	0	0	0
SADC	0	0	0	0	0

Baryte

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	437 512	561 835	596 532	608 456	283 065
Developing C.	7 223 285	7 565 237	7 952 598	8 150 847	6 993 327
Least Developed C.	35 867	36 531	44 658	61 039	98 878
Transition C.	1 046 300	790 900	1 038 500	693 600	710 300
Total	8 742 964	8 954 503	9 632 288	9 513 942	8 085 570

Annual per capita income:

High Income	387 512	513 388	526 532	536 456	242 065
Upper Middle Income	6 110 082	5 326 611	5 462 380	4 809 256	4 048 996
Lower Middle Income	2 236 370	3 110 304	3 639 176	4 164 230	3 790 509
Low Income	9 000	4 200	4 200	4 000	4 000
Total	8 742 964	8 954 503	9 632 288	9 513 942	8 085 570

Political stability:

Stable	20 000	0	0	0	0
Fair	1 155 441	1 250 613	688 757	700 056	379 343
Unstable	7 083 889	7 315 015	7 902 274	8 023 579	7 361 986
Extreme Unstable	483 634	388 875	1 041 257	790 307	344 241
Total	8 742 964	8 954 503	9 632 288	9 513 942	8 085 570

Country groups and economic blocks:

ACP	537	717	387	370	544
ASEAN	338 968	254 485	162 148	137 683	172 772
BRICS	4 479 709	5 387 490	5 663 433	5 811 157	5 506 849
CPE	2 860 100	3 174 200	2 954 200	2 947 000	2 555 500
EC	178 373	168 877	173 997	152 474	117 656
EFTA	0	0	0	0	0
G7	357 373	473 177	508 897	534 474	242 065
MERCOSUR	24 522	31 828	16 602	13 121	1 849
NAFTA	425 781	743 912	782 234	869 180	646 363
OECD	882 532	1 150 194	1 357 904	1 365 447	1 006 180
SADC	0	0	0	0	0

Bentonite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	6 639 773	7 313 162	7 781 091	7 789 868	7 145 715
Developing C.	11 951 198	12 615 538	12 670 936	12 703 750	12 479 735
Least Developed C.	922	885	1 631	77 734	80 689
Transition C.	1 092 027	1 266 485	1 324 803	1 224 483	1 140 679
Total	19 683 920	21 196 070	21 778 461	21 795 835	20 846 818
Annual per capita income:					
High Income	6 649 449	7 443 337	7 741 391	7 795 879	7 081 354
Upper Middle Income	9 670 031	9 925 780	9 927 970	9 898 311	9 056 784
Lower Middle Income	3 364 118	3 826 668	4 108 009	4 023 911	4 628 491
Low Income	322	285	1 091	77 734	80 189
Total	19 683 920	21 196 070	21 778 461	21 795 835	20 846 818
Political stability:					
Stable	700	700	4 482	500	500
Fair	6 050 270	6 557 531	8 002 317	7 840 883	7 265 735
Unstable	11 639 170	12 995 652	11 763 095	11 485 746	12 815 399
Extreme Unstable	1 993 780	1 642 187	2 008 567	2 468 706	765 184
Total	19 683 920	21 196 070	21 778 461	21 795 835	20 846 818
Country groups and economic blocks:					
ACP	149 453	166 015	175 207	183 322	166 363
ASEAN	3 830	3 220	11 340	13 050	5 220
BRICS	9 765 204	10 540 034	10 648 936	10 433 847	10 222 743
CPE	5 600 389	5 600 589	5 600 630	5 600 504	5 600 486
EC	2 330 073	2 544 462	2 866 045	2 963 368	2 590 215
EFTA	0	0	3 234	0	0
G7	4 731 545	5 226 603	5 334 763	5 301 440	4 938 989
MERCOSUR	600 377	780 319	692 729	530 493	331 605
NAFTA	4 109 176	4 598 475	4 834 800	4 544 321	4 319 219
OECD	8 379 703	8 814 446	9 231 586	9 221 940	8 710 215
SADC	149 064	165 426	174 577	182 818	165 877

Boron Minerals

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	1 134 000	1 075 000	1 075 000	1 030 000	830 000
Developing C.	2 834 757	3 041 232	3 299 429	3 151 476	2 655 866
Least Developed C.	0	0	0	0	0
Transition C.	108 800	112 500	118 000	111 800	115 500
Total	4 077 557	4 228 732	4 492 429	4 293 276	3 601 366

Annual per capita income:

High Income	1 692 854	1 811 994	1 473 411	1 382 255	1 118 103
Upper Middle Income	2 202 018	2 208 350	2 802 615	2 696 752	2 223 749
Lower Middle Income	182 685	208 388	216 403	214 269	259 514
Low Income	0	0	0	0	0
Total	4 077 557	4 228 732	4 492 429	4 293 276	3 601 366

Political stability:

Stable	0	0	0	0	0
Fair	1 871 244	1 841 994	1 544 623	1 382 255	1 252 707
Unstable	375 313	361 738	514 955	868 995	2 347 164
Extreme Unstable	1 831 000	2 025 000	2 432 851	2 042 026	1 495
Total	4 077 557	4 228 732	4 492 429	4 293 276	3 601 366

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	158 800	152 500	168 000	331 800	335 500
CPE	80 000	70 000	80 000	250 000	250 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	1 134 000	1 075 000	1 075 000	1 030 000	830 000
MERCOSUR	148 390	129 918	71 212	181 818	134 604
NAFTA	1 134 000	1 075 000	1 075 000	1 030 000	830 000
OECD	3 523 854	3 707 076	3 905 411	3 422 255	2 798 103
SADC	0	0	0	0	0

Diamonds (Gem)

	2016 ct	2017 ct	2018 ct	2019 ct	2020 ct
Development status:					
Developed C.	13 594 479	23 541 451	23 069 161	17 803 300	15 235 311
Developing C.	20 390 355	22 616 770	24 185 461	21 735 701	17 257 132
Least Developed C.	12 325 881	12 534 616	12 602 043	12 380 360	10 808 795
Transition C.	24 431 760	21 860 500	22 973 133	25 804 591	18 711 931
Total	70 742 475	80 553 337	82 829 798	77 723 952	62 013 169

Annual per capita income:

High Income	13 594 479	23 541 451	23 069 161	17 803 300	15 235 311
Upper Middle Income	44 037 637	43 633 505	46 118 422	47 075 132	35 405 721
Lower Middle Income	8 605 892	9 712 734	10 824 955	10 167 696	8 130 545
Low Income	4 504 467	3 665 647	2 817 260	2 677 824	3 241 592
Total	70 742 475	80 553 337	82 829 798	77 723 952	62 013 169

Political stability:

Stable	13 315 319	0	0	0	0
Fair	16 397 210	41 383 491	42 119 431	36 134 060	28 491 586
Unstable	37 908 083	36 853 674	38 883 802	39 550 562	30 891 619
Extreme Unstable	3 121 863	2 316 172	1 826 565	2 039 330	2 629 964
Total	70 742 475	80 553 337	82 829 798	77 723 952	62 013 169

Country groups and economic blocks:

ACP	32 641 579	35 054 101	36 689 918	34 052 469	28 016 902
ASEAN	0	0	0	0	0
BRICS	27 828 637	25 834 825	27 034 649	28 740 463	22 159 462
CPE	127	230	99	51	21
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	13 315 319	23 198 761	22 789 001	17 560 210	15 035 711
MERCOSUR	60 560	84 115	83 610	53 240	43 994
NAFTA	13 315 319	23 198 761	22 789 001	17 560 210	15 035 711
OECD	13 594 479	23 541 451	23 069 161	17 803 300	15 235 311
SADC	31 857 329	34 550 346	35 915 363	33 322 836	27 325 488

Diamonds (Ind)

	2016 ct	2017 ct	2018 ct	2019 ct	2020 ct
Development status:					
Developed C.	13 678 840	16 792 040	13 727 890	11 911 450	9 780 400
Developing C.	13 048 621	14 822 271	15 912 338	13 352 355	12 490 975
Least Developed C.	13 572 082	17 827 932	14 761 025	12 902 534	11 417 775
Transition C.	16 287 840	20 754 280	20 187 926	19 466 621	12 474 620
Total	56 587 383	70 196 523	64 589 179	57 632 960	46 163 770
Annual per capita income:					
High Income	13 678 840	16 792 040	13 727 890	11 911 450	9 780 400
Upper Middle Income	27 775 045	33 726 160	33 737 796	31 093 651	22 801 660
Lower Middle Income	970 423	1 038 771	3 305 858	2 702 810	2 959 445
Low Income	14 163 075	18 639 552	13 817 635	11 925 049	10 622 265
Total	56 587 383	70 196 523	64 589 179	57 632 960	46 163 770
Political stability:					
Stable	0	0	0	0	0
Fair	20 024 790	23 781 925	21 145 800	19 114 985	14 921 040
Unstable	24 112 543	29 768 206	30 122 404	27 062 278	20 874 812
Extreme Unstable	12 450 050	16 646 392	13 320 975	11 455 697	10 367 918
Total	56 587 383	70 196 523	64 589 179	57 632 960	46 163 770

Country groups and economic blocks:

ACP	26 475 228	32 452 663	30 479 473	26 128 289	23 812 140
ASEAN	0	0	0	0	0
BRICS	21 416 645	26 767 380	26 327 716	23 901 641	17 670 180
CPE	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	122 955	170 780	169 330	108 085	87 700
NAFTA	0	0	0	0	0
OECD	13 678 840	16 792 040	13 727 890	11 911 450	9 780 400
SADC	26 208 109	32 167 542	29 957 750	25 627 270	23 521 810

Diatomite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	1 020 928	1 130 856	1 297 380	1 127 031	1 190 332
Developing C.	824 289	1 032 620	923 027	1 043 613	978 842
Least Developed C.	5 305	4 000	39 200	77 439	40 257
Transition C.	72 786	75 465	50 600	51 000	51 000
Total	1 923 308	2 242 941	2 310 207	2 299 083	2 260 431

Annual per capita income:

High Income	1 068 429	1 362 573	1 348 018	1 189 269	1 277 049
Upper Middle Income	822 850	874 962	921 441	1 029 017	938 987
Lower Middle Income	26 724	1 406	1 548	3 358	4 138
Low Income	5 305	4 000	39 200	77 439	40 257
Total	1 923 308	2 242 941	2 310 207	2 299 083	2 260 431

Political stability:

Stable	0	0	0	0	0
Fair	1 056 042	1 366 791	1 424 480	1 193 269	1 379 624
Unstable	800 306	702 566	637 938	879 457	875 637
Extreme Unstable	66 960	173 584	247 789	226 357	5 170
Total	1 923 308	2 242 941	2 310 207	2 299 083	2 260 431

Country groups and economic blocks:

ACP	6 543	5 406	40 748	78 360	41 185
ASEAN	0	0	0	0	0
BRICS	463 708	482 192	351 162	488 673	506 574
CPE	400 000	400 000	280 000	420 000	420 000
EC	333 895	361 771	340 376	359 023	366 321
EFTA	0	0	0	0	0
G7	830 764	914 721	1 105 340	911 802	963 511
MERCOSUR	73 521	100 611	93 052	112 283	134 149
NAFTA	795 970	864 474	1 109 028	897 274	966 105
OECD	1 240 121	1 558 212	1 742 835	1 539 300	1 521 481
SADC	1 305	0	34 200	72 439	35 257

Feldspar

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	5 003 551	5 052 331	5 025 688	5 046 489	4 960 786
Developing C.	25 480 581	26 057 799	29 626 001	25 619 736	25 562 813
Least Developed C.	49 000	29 000	36 000	17 000	25 000
Transition C.	331 646	349 537	362 113	370 819	353 115
Total	30 864 778	31 488 667	35 049 802	31 054 044	30 901 714
Annual per capita income:					
High Income	5 848 260	6 121 069	5 801 617	5 659 542	5 572 751
Upper Middle Income	16 358 712	17 657 161	19 381 227	18 149 930	15 833 833
Lower Middle Income	8 657 806	7 710 437	9 866 958	7 227 572	9 470 130
Low Income	0	0	0	17 000	25 000
Total	30 864 778	31 488 667	35 049 802	31 054 044	30 901 714
Political stability:					
Stable	0	0	0	0	0
Fair	5 722 824	6 353 988	6 189 164	5 687 831	5 662 851
Unstable	14 956 445	14 235 638	15 757 048	13 016 097	22 903 905
Extreme Unstable	10 185 509	10 899 041	13 103 590	12 350 116	2 334 958
Total	30 864 778	31 488 667	35 049 802	31 054 044	30 901 714
Country groups and economic blocks:					
ACP	222 006	187 080	158 358	130 057	106 980
ASEAN	3 008 933	4 445 129	2 328 544	2 020 132	1 679 744
BRICS	9 536 538	7 699 855	11 936 649	9 615 331	9 439 000
CPE	2 405 790	2 508 715	2 503 000	2 452 100	2 464 100
EC	4 431 783	4 524 102	4 387 146	4 516 439	4 460 545
EFTA	70 000	87 900	88 000	80 000	69 000
G7	3 504 569	3 466 747	3 552 693	3 385 289	3 343 899
MERCOSUR	509 455	705 085	747 164	674 589	512 783
NAFTA	788 169	940 692	1 457 755	966 196	1 333 385
OECD	15 453 788	16 543 194	18 007 438	15 387 448	16 310 837
SADC	127 872	116 705	76 803	76 255	48 427

Fluorspar

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	199 083	211 306	256 385	317 144	271 933
Developing C.	5 371 140	5 528 465	6 697 279	7 287 702	7 252 064
Least Developed C.	7 624	7 522	10 000	50 000	10 000
Transition C.	3 000	2 700	6 400	5 000	42 000
Total	5 580 847	5 749 993	6 970 064	7 659 846	7 575 997

Annual per capita income:

High Income	194 683	225 002	256 385	317 144	271 933
Upper Middle Income	4 777 992	4 869 303	5 809 719	6 262 902	6 215 702
Lower Middle Income	596 023	641 266	886 660	1 021 900	1 071 462
Low Income	12 149	14 422	17 300	57 900	16 900
Total	5 580 847	5 749 993	6 970 064	7 659 846	7 575 997

Political stability:

Stable	0	0	0	0	0
Fair	681 083	779 237	1 058 239	1 254 547	998 833
Unstable	4 828 651	4 939 821	5 837 848	6 277 137	6 490 407
Extreme Unstable	71 113	30 935	73 977	128 162	86 757
Total	5 580 847	5 749 993	6 970 064	7 659 846	7 575 997

Country groups and economic blocks:

ACP	219 656	225 344	230 000	214 730	227 557
ASEAN	238 978	240 405	255 400	260 250	229 727
BRICS	3 999 435	4 047 935	3 765 274	4 239 714	4 567 782
CPE	4 272 303	4 361 135	4 300 830	4 944 303	5 205 720
EC	199 083	211 306	236 385	237 144	221 933
EFTA	0	0	0	0	0
G7	64 552	56 375	80 197	171 959	126 933
MERCOSUR	32 482	39 218	36 119	25 899	72 730
NAFTA	659 776	741 678	1 979 654	2 011 532	1 621 269
OECD	864 798	973 134	2 222 239	2 263 076	1 863 098
SADC	177 000	218 399	230 000	210 000	210 000

Graphite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	31 252	24 172	21 372	21 132	17 694
Developing C.	1 034 806	825 552	823 319	880 813	833 678
Least Developed C.	9 230	14 102	151 900	206 400	66 214
Transition C.	24 400	32 500	26 900	27 500	22 900
Total	1 099 688	896 326	1 023 491	1 135 845	940 486

Annual per capita income:

High Income	31 252	24 172	22 042	21 434	20 746
Upper Middle Income	868 287	756 026	749 019	811 737	762 158
Lower Middle Income	138 297	50 449	55 530	51 274	46 368
Low Income	61 852	65 679	196 900	251 400	111 214
Total	1 099 688	896 326	1 023 491	1 135 845	940 486

Political stability:

Stable	21 000	0	0	0	0
Fair	10 252	26 388	26 998	24 934	20 746
Unstable	1 056 436	852 938	964 741	1 090 921	919 740
Extreme Unstable	12 000	17 000	31 752	19 990	0
Total	1 099 688	896 326	1 023 491	1 135 845	940 486

Country groups and economic blocks:

ACP	14 852	17 895	155 356	206 400	66 214
ASEAN	0	0	1 500	3 500	3 700
BRICS	976 524	773 149	759 911	833 944	775 088
CPE	827 000	675 000	676 500	748 500	713 700
EC	652	572	372	307	208
EFTA	9 600	9 600	10 000	9 780	5 549
G7	21 502	14 422	11 222	11 252	12 045
MERCOSUR	61 687	95 000	78 981	81 770	67 020
NAFTA	35 200	24 310	15 130	13 387	13 970
OECD	45 452	38 482	42 924	33 766	37 984
SADC	14 852	17 895	155 356	206 400	66 214

Gypsum and Anhydrite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	49 913 114	50 896 685	56 151 011	54 750 501	55 828 480
Developing C.	97 246 841	96 525 332	101 099 225	96 277 993	96 543 843
Least Developed C.	1 906 358	1 908 063	2 375 840	2 325 199	2 386 194
Transition C.	6 564 588	6 519 184	8 313 205	7 002 100	7 150 398
Total	155 630 901	155 849 264	167 939 281	160 355 793	161 908 915
Annual per capita income:					
High Income	60 855 161	64 065 259	69 242 067	70 094 798	69 472 108
Upper Middle Income	85 484 721	81 638 539	85 278 794	76 438 597	63 961 688
Lower Middle Income	8 926 719	9 725 519	12 744 195	13 228 027	27 924 070
Low Income	364 300	419 947	674 225	594 371	551 049
Total	155 630 901	155 849 264	167 939 281	160 355 793	161 908 915
Political stability:					
Stable	2 018 573	330 000	330 000	330 000	0
Fair	54 681 904	62 156 862	68 737 807	67 943 741	69 000 181
Unstable	83 073 325	76 930 972	71 078 695	63 831 776	73 629 863
Extreme Unstable	15 857 099	16 431 430	27 792 779	28 250 276	19 278 871
Total	155 630 901	155 849 264	167 939 281	160 355 793	161 908 915

Country groups and economic blocks:

ACP	1 420 823	1 381 175	1 604 725	1 627 433	1 717 094
ASEAN	12 462 036	11 470 698	12 125 783	10 692 990	10 269 328
BRICS	34 353 592	33 295 168	38 105 436	35 305 102	35 255 605
CPE	25 473 900	25 085 400	25 099 900	25 066 330	25 062 300
EC	24 200 455	23 476 924	27 244 291	26 426 971	27 797 343
EFTA	422 386	417 891	419 655	432 100	423 602
G7	31 848 375	32 934 730	35 794 052	34 153 140	32 973 264
MERCOSUR	4 237 044	3 456 464	3 567 719	3 608 167	3 353 655
NAFTA	29 176 411	32 898 910	35 615 744	31 904 102	32 093 223
OECD	67 061 579	69 826 955	77 556 688	69 186 820	72 149 056
SADC	476 201	476 330	595 248	565 631	681 468

Kaolin

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	16 575 612	17 447 100	17 274 410	16 267 051	15 200 923
Developing C.	20 217 004	22 856 057	23 500 553	23 751 625	23 202 611
Least Developed C.	57 865	79 779	167 864	55 791	119 477
Transition C.	4 104 986	4 815 777	4 466 865	4 138 550	3 962 505
Total	40 955 467	45 198 713	45 409 692	44 213 017	42 485 516

Annual per capita income:

High Income	17 020 858	18 016 153	17 719 507	16 551 078	15 615 652
Upper Middle Income	14 175 261	14 502 130	15 181 446	16 865 898	12 629 328
Lower Middle Income	9 707 983	12 606 097	12 351 875	10 755 593	14 219 513
Low Income	51 365	74 333	156 864	40 448	21 023
Total	40 955 467	45 198 713	45 409 692	44 213 017	42 485 516

Political stability:

Stable	61 650	50 424	51 369	50 569	50 000
Fair	17 506 446	18 945 864	18 685 816	17 106 331	15 956 783
Unstable	19 472 118	22 143 899	21 854 200	22 055 980	24 513 105
Extreme Unstable	3 915 253	4 058 526	4 818 307	5 000 137	1 965 628
Total	40 955 467	45 198 713	45 409 692	44 213 017	42 485 516

Country groups and economic blocks:

ACP	106 610	160 400	206 995	95 367	149 949
ASEAN	1 332 610	1 394 238	2 085 056	3 357 736	2 134 753
BRICS	15 966 123	18 960 238	18 046 825	17 435 429	17 290 230
CPE	7 342 500	7 011 500	6 752 700	6 502 100	6 602 000
EC	10 989 733	11 742 526	11 687 303	11 030 432	10 414 111
EFTA	0	0	0	0	0
G7	11 425 993	12 079 120	11 889 842	11 189 389	10 714 213
MERCOSUR	1 769 198	1 707 128	1 708 255	1 494 655	1 266 219
NAFTA	5 742 070	5 775 864	6 248 246	5 306 645	5 573 889
OECD	18 367 853	19 258 611	19 815 581	17 813 810	17 585 583
SADC	21 797	45 002	153 107	43 170	119 093

Magnesite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	3 162 033	3 758 717	3 831 000	3 687 394	4 168 542
Developing C.	22 638 968	23 284 120	23 537 187	22 636 610	22 829 738
Least Developed C.	0	0	0	0	0
Transition C.	1 196 200	1 405 500	1 577 350	1 015 200	1 282 052
Total	26 997 201	28 448 337	28 945 537	27 339 204	28 280 332
Annual per capita income:					
High Income	3 262 033	3 862 849	3 986 000	3 887 394	4 418 542
Upper Middle Income	23 205 592	24 198 089	24 688 926	23 206 220	23 411 357
Lower Middle Income	368 641	214 911	170 611	145 590	350 433
Low Income	160 935	172 488	100 000	100 000	100 000
Total	26 997 201	28 448 337	28 945 537	27 339 204	28 280 332
Political stability:					
Stable	150 000	0	0	0	0
Fair	2 616 418	3 316 037	3 831 000	3 688 926	4 172 452
Unstable	20 926 800	23 418 573	22 994 649	21 963 441	23 835 591
Extreme Unstable	3 303 983	1 713 727	2 119 888	1 686 837	272 289
Total	26 997 201	28 448 337	28 945 537	27 339 204	28 280 332
Country groups and economic blocks:					
ACP	11 125	8 700	8 500	10 032	12 410
ASEAN	10 310	200	140	40	0
BRICS	19 989 273	22 404 726	22 626 775	21 654 854	21 918 044
CPE	17 003 260	18 672 488	19 100 000	19 101 532	19 103 910
EC	2 442 778	3 103 023	3 178 726	2 829 622	2 800 263
EFTA	0	0	0	0	0
G7	249 800	444 850	388 828	444 590	569 076
MERCOSUR	1 652 424	2 303 971	1 900 000	1 530 000	1 550 000
NAFTA	350 800	545 850	489 828	445 390	569 076
OECD	6 521 478	5 553 788	5 890 847	5 184 275	5 729 360
SADC	8 800	8 700	8 500	8 500	8 500

Perlite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	1 504 100	1 608 365	1 377 267	1 424 691	1 647 035
Developing C.	1 190 605	691 939	1 224 705	1 259 969	1 205 591
Least Developed C.	0	0	0	0	0
Transition C.	111 620	75 536	111 922	138 676	161 910
Total	2 806 325	2 375 840	2 713 894	2 823 336	3 014 536

Annual per capita income:

High Income	1 509 600	1 632 499	1 382 287	1 429 391	1 647 035
Upper Middle Income	1 191 360	711 803	1 324 278	1 387 337	1 314 751
Lower Middle Income	105 365	31 538	7 329	6 608	52 750
Low Income	0	0	0	0	0
Total	2 806 325	2 375 840	2 713 894	2 823 336	3 014 536

Political stability:

Stable	0	0	0	0	0
Fair	606 095	699 549	1 401 081	1 429 391	1 649 035
Unstable	1 095 234	1 070 060	152 251	187 631	1 312 751
Extreme Unstable	1 104 996	606 231	1 160 562	1 206 314	52 750
Total	2 806 325	2 375 840	2 713 894	2 823 336	3 014 536

Country groups and economic blocks:

ACP	1 000	1 000	1 000	1 000	1 000
ASEAN	54 435	20 838	12 929	21 608	3 500
BRICS	46 000	46 000	46 000	46 000	46 000
CPE	0	0	0	0	0
EC	982 480	1 021 090	870 982	794 427	799 850
EFTA	0	0	0	0	0
G7	521 000	587 000	504 000	629 000	845 000
MERCOSUR	17 905	19 924	18 794	1 850	2 000
NAFTA	549 431	602 899	530 400	653 497	845 000
OECD	2 604 282	2 234 705	2 497 670	2 628 374	2 793 376
SADC	1 000	1 000	1 000	1 000	1 000

Phosphate Rock (P₂O₅-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	9 563 444	9 589 760	9 014 070	8 062 980	8 292 450
Developing C.	67 713 992	63 216 445	55 634 950	55 881 790	54 604 990
Least Developed C.	1 198 730	1 107 750	1 147 140	1 121 520	1 179 440
Transition C.	5 315 600	5 686 400	5 835 200	5 920 540	5 988 010
Total	83 791 766	79 600 355	71 631 360	70 986 830	70 064 890

Annual per capita income:

High Income	11 185 184	11 291 950	10 842 230	9 954 530	10 632 440
Upper Middle Income	56 992 942	52 545 425	44 952 200	44 189 810	41 557 070
Lower Middle Income	14 406 410	14 598 530	15 370 200	16 447 870	16 806 480
Low Income	1 207 230	1 164 450	466 730	394 620	1 068 900
Total	83 791 766	79 600 355	71 631 360	70 986 830	70 064 890

Political stability:

Stable	0	0	0	0	0
Fair	9 672 734	10 353 750	9 237 390	9 399 060	7 344 100
Unstable	73 076 572	68 115 525	61 786 870	60 920 490	61 700 790
Extreme Unstable	1 042 460	1 131 080	607 100	667 280	1 020 000
Total	83 791 766	79 600 355	71 631 360	70 986 830	70 064 890

Country groups and economic blocks:

ACP	1 840 830	1 904 450	1 905 940	1 799 220	1 763 600
ASEAN	951 440	1 387 400	1 301 160	1 347 080	1 317 050
BRICS	51 045 030	45 258 620	37 245 390	36 179 640	34 637 310
CPE	44 262 150	38 316 000	30 197 460	29 344 080	27 997 270
EC	338 230	352 300	356 070	363 020	363 200
EFTA	0	0	0	0	0
G7	7 615 000	7 840 000	7 250 000	6 547 000	6 604 000
MERCOSUR	2 088 900	2 102 320	1 997 100	1 850 000	1 718 100
NAFTA	8 603 280	8 532 150	7 472 500	6 796 520	6 695 240
OECD	10 637 144	10 135 210	9 125 950	8 319 040	8 525 430
SADC	607 930	746 270	736 720	652 450	550 540

Potash (K₂O-Content)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	17 298 649	18 987 824	20 373 906	18 443 202	20 185 551
Developing C.	8 635 909	8 509 486	8 164 921	8 426 300	8 412 880
Least Developed C.	198 600	307 600	343 500	286 900	442 500
Transition C.	12 743 100	14 516 700	14 593 196	14 925 793	15 955 453
Total	38 876 258	42 321 610	43 475 523	42 082 195	44 996 384
Annual per capita income:					
High Income	18 602 489	20 226 454	21 365 086	19 126 742	21 152 231
Upper Middle Income	18 770 029	21 672 656	21 588 337	22 452 353	23 150 253
Lower Middle Income	1 503 740	422 500	522 100	503 100	693 900
Low Income	0	0	0	0	0
Total	38 876 258	42 321 610	43 475 523	42 082 195	44 996 384
Political stability:					
Stable	10 789 662	0	0	0	0
Fair	12 098 427	18 407 354	26 905 382	24 718 435	19 179 131
Unstable	15 988 169	23 914 256	16 537 241	17 326 560	25 780 253
Extreme Unstable	0	0	32 900	37 200	37 000
Total	38 876 258	42 321 610	43 475 523	42 082 195	44 996 384

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	198 600	307 600	343 500	286 900	442 500
BRICS	12 579 429	13 140 296	12 708 181	13 539 300	13 973 900
CPE	5 783 000	5 534 000	5 452 000	5 902 000	5 530 000
EC	3 905 887	3 818 429	3 680 675	3 246 384	3 428 286
EFTA	0	0	0	0	0
G7	14 533 303	16 303 656	17 589 116	15 852 602	17 314 951
MERCOSUR	316 429	306 296	201 181	269 300	276 600
NAFTA	11 299 662	13 042 695	14 543 931	13 153 318	14 341 665
OECD	18 602 489	20 226 454	21 365 086	19 126 742	21 152 231
SADC	0	0	0	0	0

Salt

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	112 282 583	113 892 506	119 097 569	116 006 262	110 995 481
Developing C.	151 929 268	151 845 135	155 362 916	156 374 293	143 781 475
Least Developed C.	3 364 243	3 242 778	3 084 332	2 961 433	3 402 044
Transition C.	12 946 243	13 736 004	14 157 923	15 267 448	11 774 325
Total	280 522 337	282 716 423	291 702 740	290 609 436	269 953 325

Annual per capita income:

High Income	118 194 409	120 872 795	127 284 171	127 016 189	120 441 469
Upper Middle Income	117 190 531	117 175 363	115 233 269	119 382 230	102 243 386
Lower Middle Income	43 656 890	43 104 211	47 930 713	42 625 198	45 802 843
Low Income	1 480 507	1 564 054	1 254 587	1 585 819	1 465 627
Total	280 522 337	282 716 423	291 702 740	290 609 436	269 953 325

Political stability:

Stable	10 806 377	555 509	637 014	582 325	105 000
Fair	113 262 182	126 103 372	136 948 619	132 458 669	124 236 832
Unstable	140 567 773	139 998 145	137 691 126	140 100 940	137 229 086
Extreme Unstable	15 886 005	16 059 397	16 425 981	17 467 502	8 382 407
Total	280 522 337	282 716 423	291 702 740	290 609 436	269 953 325

Country groups and economic blocks:

ACP	3 794 977	3 861 031	4 669 429	4 485 490	4 535 007
ASEAN	4 149 497	4 646 091	6 069 129	5 819 343	4 528 758
BRICS	110 063 253	110 438 506	108 084 985	110 457 912	98 338 999
CPE	67 931 478	67 937 360	65 326 297	68 670 303	60 460 924
EC	47 532 814	48 344 493	48 993 393	48 100 830	42 963 558
EFTA	462 848	463 509	591 414	492 325	334 827
G7	78 037 755	77 169 897	81 406 284	81 135 727	78 522 041
MERCOSUR	9 962 599	9 910 611	9 611 320	8 867 100	7 976 500
NAFTA	62 395 947	60 894 403	64 005 258	62 780 955	63 345 472
OECD	131 100 780	132 125 506	139 289 995	137 040 260	133 539 284
SADC	2 097 542	2 087 017	2 282 755	2 225 405	2 342 924

Sulfur

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	25 411 622	25 445 977	25 366 291	23 941 917	21 822 908
Developing C.	42 239 463	42 048 718	43 808 403	45 075 632	43 932 429
Least Developed C.	363 000	679 500	947 800	960 200	917 300
Transition C.	10 389 800	11 173 700	11 100 950	11 570 000	11 304 900
Total	78 403 885	79 347 895	81 223 444	81 547 749	77 977 537
Annual per capita income:					
High Income	43 160 040	42 841 685	43 358 449	42 707 470	39 576 725
Upper Middle Income	29 960 976	30 505 470	30 692 555	32 592 014	29 834 064
Lower Middle Income	5 272 869	5 990 740	7 162 440	6 238 265	8 556 748
Low Income	10 000	10 000	10 000	10 000	10 000
Total	78 403 885	79 347 895	81 223 444	81 547 749	77 977 537
Political stability:					
Stable	5 381 000	0	0	0	0
Fair	34 204 680	40 706 960	38 428 589	36 781 335	33 741 075
Unstable	37 244 636	37 395 495	39 227 615	41 412 699	41 546 514
Extreme Unstable	1 573 569	1 245 440	3 567 240	3 353 715	2 689 948
Total	78 403 885	79 347 895	81 223 444	81 547 749	77 977 537
Country groups and economic blocks:					
ACP	880 660	1 307 080	1 574 707	2 269 744	1 885 491
ASEAN	1 674 400	1 556 400	1 600 000	1 550 000	1 360 000
BRICS	24 639 730	24 750 600	25 912 397	26 905 574	26 965 491
CPE	14 092 300	13 797 300	14 081 700	14 777 000	15 661 200
EC	5 762 822	6 116 477	5 934 991	6 164 004	4 916 857
EFTA	110 000	100 000	120 000	100 000	100 000
G7	20 567 984	20 347 282	20 269 797	19 129 025	17 298 044
MERCOSUR	1 230 000	1 230 000	1 150 000	960 000	750 000
NAFTA	15 794 285	15 508 218	15 445 657	13 883 880	13 109 986
OECD	29 543 787	29 292 525	29 319 048	27 647 584	25 546 543
SADC	706 460	1 008 480	1 265 707	1 952 744	1 574 291

Talc

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	2 362 275	2 465 695	2 404 548	2 234 307	1 995 975
Developing C.	5 087 148	5 390 081	5 538 453	5 807 449	5 540 377
Least Developed C.	8 371	12 389	14 700	11 188	3 691
Transition C.	20 729	20 478	13 059	48 000	104 000
Total	7 478 523	7 888 643	7 970 760	8 100 944	7 644 043

Annual per capita income:

High Income	2 997 062	2 959 417	2 799 633	2 612 613	2 520 259
Upper Middle Income	2 996 512	3 055 294	3 264 430	3 502 615	3 100 015
Lower Middle Income	1 443 089	1 826 836	1 858 039	1 943 716	1 993 769
Low Income	41 860	47 096	48 658	42 000	30 000
Total	7 478 523	7 888 643	7 970 760	8 100 944	7 644 043

Political stability:

Stable	199 000	0	0	0	0
Fair	2 324 589	2 916 710	2 768 747	2 565 988	2 475 535
Unstable	4 606 518	4 324 275	4 696 366	5 227 664	4 948 430
Extreme Unstable	348 416	647 658	505 647	307 292	220 078
Total	7 478 523	7 888 643	7 970 760	8 100 944	7 644 043

Country groups and economic blocks:

ACP	28 493	64 673	108 810	144 060	100 722
ASEAN	103 926	61 436	58 676	14 564	38 146
BRICS	3 830 626	4 031 143	4 457 467	5 032 393	4 596 318
CPE	2 040 000	1 840 000	2 040 000	2 490 000	2 030 000
EC	1 099 275	1 155 695	1 187 548	1 113 307	1 082 682
EFTA	0	0	0	0	0
G7	1 769 997	1 828 218	1 703 640	1 544 131	1 370 293
MERCOSUR	510 713	515 430	673 492	660 050	652 824
NAFTA	794 263	832 129	935 448	828 202	672 415
OECD	3 174 999	3 381 598	3 045 860	2 663 836	2 644 331
SADC	23 576	58 776	102 142	135 430	92 318

Vermiculite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	100 000	100 000	100 000	100 000	100 000
Developing C.	310 687	297 572	302 634	285 510	274 026
Least Developed C.	3 295	4 119	10 413	9 674	14 170
Transition C.	20 000	14 400	25 904	29 237	28 442
Total	433 982	416 091	438 951	424 421	416 638
Annual per capita income:					
High Income	100 000	100 000	100 000	100 000	100 000
Upper Middle Income	292 233	282 616	292 385	286 349	274 820
Lower Middle Income	9 142	6 054	36 153	28 398	27 648
Low Income	32 607	27 421	10 413	9 674	14 170
Total	433 982	416 091	438 951	424 421	416 638

Political stability:

Stable	0	0	0	0	0
Fair	100 060	100 000	100 000	100 000	100 000
Unstable	332 772	314 473	320 768	323 051	316 638
Extreme Unstable	1 150	1 618	18 183	1 370	0
Total	433 982	416 091	438 951	424 421	416 638

Country groups and economic blocks:

ACP	199 190	193 505	184 920	193 311	158 781
ASEAN	0	0	0	0	0
BRICS	298 855	286 588	276 950	287 605	256 746
CPE	50 000	50 000	50 000	50 000	50 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	100 000	100 000	100 000	100 000	100 000
MERCOSUR	53 390	50 050	56 708	47 581	58 821
NAFTA	100 310	100 464	100 244	100 148	100 104
OECD	101 360	102 082	118 427	101 518	119 334
SADC	195 795	189 386	174 507	183 537	144 611

Zircon

	2016	2017	2018	2019	2020
	metr. t	metr. t	metr. t	metr. t	metr. t
Development status:					
Developed C.	650 000	475 850	622 400	498 900	410 000
Developing C.	604 021	598 603	588 612	605 296	586 485
Least Developed C.	284 760	270 363	329 391	239 515	217 147
Transition C.	36 984	34 563	29 014	24 300	22 000
Total	1 575 765	1 379 379	1 569 417	1 368 011	1 235 632
Annual per capita income:					
High Income	650 000	475 850	622 400	498 900	410 000
Upper Middle Income	507 589	506 948	482 098	556 985	469 244
Lower Middle Income	133 416	126 218	229 097	153 358	222 498
Low Income	284 760	270 363	235 822	158 768	133 890
Total	1 575 765	1 379 379	1 569 417	1 368 011	1 235 632
Political stability:					
Stable	0	0	0	0	0
Fair	659 953	482 945	633 409	586 696	410 450
Unstable	845 454	863 909	911 023	762 315	824 940
Extreme Unstable	70 358	32 525	24 985	19 000	242
Total	1 575 765	1 379 379	1 569 417	1 368 011	1 235 632

Country groups and economic blocks:

ACP	702 768	678 479	670 809	590 955	560 919
ASEAN	44 753	36 595	64 709	80 149	75 300
BRICS	518 145	513 260	490 760	499 036	484 794
CPE	109 300	121 500	160 500	146 600	150 700
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	50 000	45 000	100 000	30 000	30 000
MERCOSUR	21 302	19 016	17 844	17 136	10 994
NAFTA	50 000	45 000	100 000	30 000	30 000
OECD	650 500	477 050	624 350	498 900	410 000
SADC	608 234	547 427	528 032	470 268	441 126

6.3.5 Mineral Fuels

Steam Coal

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	886 812 448	911 558 581	898 775 472	863 780 057	720 947 678
Developing C.	4 017 573 525	4 244 426 342	4 524 156 034	4 697 702 581	4 638 071 826
Least Developed C.	6 202 578	9 742 022	12 662 361	10 846 032	7 241 346
Transition C.	332 686 475	366 116 790	396 750 855	387 770 338	360 075 782
Total	5 243 275 026	5 531 843 735	5 832 344 722	5 960 099 008	5 726 336 632
Annual per capita income:					
High Income	891 058 765	915 577 266	902 272 069	866 470 611	722 158 240
Upper Middle Income	3 168 097 223	3 373 360 478	3 574 596 358	4 284 605 894	3 649 525 253
Lower Middle Income	1 145 591 740	1 208 761 206	1 326 425 405	779 381 719	1 333 924 178
Low Income	38 527 298	34 144 785	29 050 890	29 640 784	20 728 961
Total	5 243 275 026	5 531 843 735	5 832 344 722	5 960 099 008	5 726 336 632
Political stability:					
Stable	26 460 000	1 426 000	1 710 060	1 545 230	1 482 000
Fair	995 417 407	1 055 603 868	956 047 864	924 778 153	732 427 780
Unstable	4 175 536 814	4 445 698 911	4 841 962 049	5 000 996 368	4 980 713 573
Extreme Unstable	45 860 805	29 114 956	32 624 749	32 779 257	11 713 279
Total	5 243 275 026	5 531 843 735	5 832 344 722	5 960 099 008	5 726 336 632

Country groups and economic blocks:

ACP	258 710 760	264 032 439	265 870 073	266 324 079	253 589 120
ASEAN	512 953 573	544 518 651	602 974 363	662 004 741	624 326 857
BRICS	3 580 633 835	3 816 932 939	4 065 022 833	4 173 631 275	4 163 745 709
CPE	2 582 766 000	2 738 525 990	2 917 159 400	3 044 496 100	3 076 207 200
EC	66 285 107	60 296 248	57 185 612	52 736 727	44 119 578
EFTA	960 341	134 433	154 200	117 000	63 000
G7	573 517 000	600 752 000	583 151 160	539 842 160	408 920 520
MERCOSUR	3 776 332	3 733 152	3 750 753	4 347 664	3 879 892
NAFTA	576 789 505	604 482 800	586 714 128	544 168 826	409 939 395
OECD	901 302 270	924 943 453	911 205 117	875 341 965	726 952 435
SADC	257 474 974	263 401 433	265 295 814	265 554 735	252 594 261

Coking Coal

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	284 992 500	305 752 700	299 007 231	299 716 393	275 296 637
Developing C.	648 578 135	603 291 824	619 571 093	640 618 780	647 374 035
Least Developed C.	3 972 122	7 385 930	8 355 292	5 356 390	4 670 626
Transition C.	110 576 800	106 283 600	105 242 300	110 161 700	104 687 700
Total	1 048 119 557	1 022 714 054	1 032 175 916	1 055 853 263	1 032 028 998

Annual per capita income:

High Income	284 992 500	305 752 700	299 007 231	299 716 393	275 296 637
Upper Middle Income	667 230 135	633 975 975	646 585 787	662 855 350	664 129 344
Lower Middle Income	91 507 800	75 353 900	78 227 606	87 925 130	87 932 391
Low Income	4 389 122	7 631 479	8 355 292	5 356 390	4 670 626
Total	1 048 119 557	1 022 714 054	1 032 175 916	1 055 853 263	1 032 028 998

Political stability:

Stable	26 187 000	1 173 100	1 213 400	1 200 900	1 038 970
Fair	294 271 500	346 001 300	324 867 581	327 478 463	301 474 467
Unstable	720 457 257	669 541 754	699 146 505	719 091 830	725 699 561
Extreme Unstable	7 203 800	5 997 900	6 948 430	8 082 070	3 816 000
Total	1 048 119 557	1 022 714 054	1 032 175 916	1 055 853 263	1 032 028 998

Country groups and economic blocks:

ACP	8 636 122	11 659 754	12 368 019	8 717 512	7 985 200
ASEAN	3 340 000	4 300 000	5 117 786	5 752 018	5 443 961
BRICS	701 525 000	645 583 275	665 086 957	688 588 162	689 723 744
CPE	567 015 000	541 779 000	557 513 750	567 596 970	580 872 800
EC	19 367 500	17 972 000	16 829 631	15 123 393	14 076 967
EFTA	0	0	0	0	0
G7	78 336 800	99 566 060	103 770 470	95 068 440	76 947 570
MERCOSUR	0	0	0	0	0
NAFTA	80 703 135	101 173 600	105 511 200	97 601 100	81 027 700
OECD	291 238 635	311 082 700	303 596 361	303 690 263	280 484 637
SADC	8 636 122	11 659 754	12 368 019	8 717 512	7 985 200

Lignite

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	508 474 454	515 144 948	480 881 943	412 901 403	339 729 913
Developing C.	142 599 818	142 632 891	149 090 450	149 518 341	129 434 408
Least Developed C.	13 330 121	13 529 492	16 389 001	16 049 042	15 155 728
Transition C.	149 920 342	151 392 448	156 693 977	159 787 602	151 761 061
Total	814 324 735	822 699 779	803 055 371	738 256 388	636 081 110
Annual per capita income:					
High Income	454 060 254	454 805 148	425 421 115	383 438 788	302 179 707
Upper Middle Income	280 911 112	287 855 872	303 419 855	282 552 378	270 146 645
Lower Middle Income	79 353 369	80 038 759	74 214 401	72 265 222	63 754 758
Low Income	0	0	0	0	0
Total	814 324 735	822 699 779	803 055 371	738 256 388	636 081 110
Political stability:					
Stable	9 480 035	319 487	307 378	287 830	297 690
Fair	531 676 777	542 790 312	543 171 699	437 535 415	359 819 851
Unstable	202 928 923	208 130 810	178 006 570	215 953 063	275 174 469
Extreme Unstable	70 239 000	71 459 170	81 569 724	84 480 080	789 100
Total	814 324 735	822 699 779	803 055 371	738 256 388	636 081 110
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	30 308 722	29 788 129	31 240 951	30 127 007	28 406 302
BRICS	120 310 217	120 332 084	124 005 500	124 492 696	111 523 404
CPE	6 672 000	6 783 000	7 449 000	8 053 080	6 021 000
EC	372 829 019	386 821 961	372 974 065	311 672 873	245 954 623
EFTA	0	0	0	0	0
G7	245 411 750	242 570 200	227 902 500	188 939 700	159 341 860
MERCOSUR	3 480 217	1 488 084	1 422 500	1 596 696	2 309 404
NAFTA	73 859 400	71 284 500	61 644 500	57 625 700	51 964 600
OECD	524 299 254	526 264 318	506 505 115	445 481 068	373 419 137
SADC	0	0	0	0	0

Natural Gas

	2016 Mio m ³	2017 Mio m ³	2018 Mio m ³	2019 Mio m ³	2020 Mio m ³
Development status:					
Developed C.	1 283 642	1 330 154	1 435 276	1 523 585	1 495 517
Developing C.	1 463 823	1 503 530	1 545 026	1 564 260	1 536 894
Least Developed C.	63 337	67 078	56 719	59 511	56 778
Transition C.	799 937	878 922	918 486	929 395	877 982
Total	3 610 739	3 779 684	3 955 507	4 076 751	3 967 171

Annual per capita income:

High Income	1 720 857	1 814 766	1 886 572	1 988 100	1 943 189
Upper Middle Income	1 472 587	1 536 223	1 629 015	1 623 559	1 281 709
Lower Middle Income	410 581	418 275	429 401	456 912	734 473
Low Income	6 714	10 420	10 519	8 180	7 800
Total	3 610 739	3 779 684	3 955 507	4 076 751	3 967 171

Political stability:

Stable	171 973	4 808	4 204	4 510	4 436
Fair	1 558 409	1 779 319	1 869 112	1 922 175	1 904 737
Unstable	1 667 873	1 739 134	1 659 515	1 719 980	1 648 062
Extreme Unstable	212 484	256 423	422 676	430 086	409 936
Total	3 610 739	3 779 684	3 955 507	4 076 751	3 967 171

Country groups and economic blocks:

ACP	106 822	113 887	116 757	118 524	114 703
ASEAN	227 250	227 023	217 791	219 227	199 421
BRICS	800 157	889 966	931 019	952 595	926 317
CPE	148 660	158 952	171 139	186 513	202 550
EC	133 795	127 724	116 904	107 098	92 989
EFTA	116 767	124 664	122 203	115 123	112 296
G7	979 077	1 006 304	1 105 196	1 184 272	1 167 575
MERCOSUR	103 337	107 008	99 236	96 154	83 705
NAFTA	954 562	978 145	1 079 121	1 160 180	1 146 393
OECD	1 308 199	1 350 383	1 455 547	1 544 002	1 518 055
SADC	9 045	12 991	13 600	13 885	14 328

Petroleum

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	987 003 762	1 035 225 186	1 157 444 848	1 249 844 929	1 213 449 285
Developing C.	2 575 022 865	2 533 413 725	2 511 870 991	2 423 081 669	2 226 778 529
Least Developed C.	116 635 135	108 898 400	92 549 610	90 182 110	84 594 080
Transition C.	686 552 136	691 278 473	704 582 536	707 875 905	650 638 828
Total	4 365 213 898	4 368 815 784	4 466 447 985	4 470 984 613	4 175 460 722

Annual per capita income:

High Income	2 041 571 712	2 062 062 976	2 181 469 918	2 257 901 979	2 152 439 535
Upper Middle Income	1 955 872 101	1 944 223 585	1 929 661 150	1 831 730 534	1 497 686 566
Lower Middle Income	353 582 845	345 225 071	337 627 478	356 829 817	500 416 041
Low Income	14 187 240	17 304 152	17 689 439	24 522 283	24 918 580
Total	4 365 213 898	4 368 815 784	4 466 447 985	4 470 984 613	4 175 460 722

Political stability:

Stable	222 121 550	1 400 440	1 085 220	1 121 090	963 860
Fair	1 246 852 360	1 515 236 638	1 681 505 897	1 756 534 649	1 698 646 568
Unstable	2 505 792 835	2 321 221 896	2 084 862 200	2 081 517 964	1 963 732 324
Extreme Unstable	390 447 153	530 956 810	698 994 668	631 810 910	512 117 970
Total	4 365 213 898	4 368 815 784	4 466 447 985	4 470 984 613	4 175 460 722

Country groups and economic blocks:

ACP	250 702 251	248 853 635	242 902 460	246 624 764	229 124 824
ASEAN	110 209 100	105 223 740	101 055 370	97 015 750	89 178 473
BRICS	913 183 366	910 016 475	913 507 140	928 017 434	889 815 064
CPE	218 629 700	208 625 200	204 647 200	205 980 650	207 208 600
EC	70 548 944	69 339 338	73 081 895	72 824 019	68 421 308
EFTA	91 424 500	89 849 500	84 275 900	79 388 000	93 090 400
G7	860 962 828	913 144 206	1 041 299 743	1 134 014 032	1 085 827 382
MERCOSUR	276 664 900	267 515 700	234 119 710	215 882 400	203 142 700
NAFTA	926 124 980	967 559 460	1 083 380 540	1 167 927 430	1 121 940 850
OECD	1 105 626 010	1 142 611 585	1 257 757 476	1 342 880 509	1 306 520 089
SADC	86 324 846	79 693 195	72 505 030	67 355 354	62 015 504

Oil Sands (part of Petroleum)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	130 356 500	144 006 100	156 864 600	158 766 200	153 043 300
Developing C.	29 000 000	25 000 000	20 000 000	18 000 000	14 900 000
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	159 356 500	169 006 100	176 864 600	176 766 200	167 943 300
Annual per capita income:					
High Income	130 356 500	144 006 100	156 864 600	158 766 200	153 043 300
Upper Middle Income	29 000 000	25 000 000	20 000 000	18 000 000	14 900 000
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	159 356 500	169 006 100	176 864 600	176 766 200	167 943 300
Political stability:					
Stable	130 356 500	0	0	0	0
Fair	0	144 006 100	156 864 600	158 766 200	153 043 300
Unstable	29 000 000	0	0	0	0
Extreme Unstable	0	25 000 000	20 000 000	18 000 000	14 900 000
Total	159 356 500	169 006 100	176 864 600	176 766 200	167 943 300

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	130 356 500	144 006 100	156 864 600	158 766 200	153 043 300
MERCOSUR	29 000 000	25 000 000	20 000 000	18 000 000	14 900 000
NAFTA	130 356 500	144 006 100	156 864 600	158 766 200	153 043 300
OECD	130 356 500	144 006 100	156 864 600	158 766 200	153 043 300
SADC	0	0	0	0	0

Oil Shales

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	16 682 046	22 534 973	22 794 380	16 628 394	13 054 894
Developing C.	0	0	0	0	0
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	16 682 046	22 534 973	22 794 380	16 628 394	13 054 894

Annual per capita income:

High Income	16 682 046	22 534 973	22 794 380	16 589 394	13 010 894
Upper Middle Income	0	0	0	39 000	44 000
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	16 682 046	22 534 973	22 794 380	16 628 394	13 054 894

Political stability:

Stable	0	0	0	0	0
Fair	16 256 946	22 108 973	22 379 800	16 225 512	12 661 904
Unstable	425 100	426 000	414 580	402 882	392 990
Extreme Unstable	0	0	0	0	0
Total	16 682 046	22 534 973	22 794 380	16 628 394	13 054 894

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	16 258 946	22 108 973	22 379 800	16 225 512	12 661 904
EFTA	0	0	0	0	0
G7	494 777	483 803	496 650	489 012	473 404
MERCOSUR	0	0	0	0	0
NAFTA	0	0	0	0	0
OECD	16 682 046	22 534 973	22 794 380	16 589 394	13 010 894
SADC	0	0	0	0	0

Uranium (U₃O₈)

	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t
Development status:					
Developed C.	25 604	22 344	16 659	16 102	12 134
Developing C.	7 171	8 057	9 520	9 261	9 281
Least Developed C.	4 101	4 066	3 433	3 516	3 527
Transition C.	37 762	35 935	34 471	35 399	31 327
Total	74 638	70 402	64 083	64 278	56 269
Annual per capita income:					
High Income	25 545	22 344	16 659	16 102	12 134
Upper Middle Income	39 379	38 448	37 987	39 173	35 079
Lower Middle Income	5 613	5 544	6 004	5 487	5 529
Low Income	4 101	4 066	3 433	3 516	3 527
Total	74 638	70 402	64 083	64 278	56 269
Political stability:					
Stable	16 666	0	0	0	0
Fair	42 359	54 825	23 173	22 561	18 516
Unstable	14 375	10 472	36 034	37 204	34 173
Extreme Unstable	1 238	5 105	4 876	4 513	3 580
Total	74 638	70 402	64 083	64 278	56 269
Country groups and economic blocks:					
ACP	8 859	9 351	10 178	10 138	10 040
ASEAN	0	0	0	0	0
BRICS	6 353	6 463	6 377	6 182	6 202
CPE	1 906	2 223	2 223	2 223	2 223
EC	263	106	40	67	37
EFTA	0	0	0	0	0
G7	18 042	15 542	8 882	8 337	4 832
MERCOSUR	0	0	0	0	20
NAFTA	17 989	15 502	8 882	8 309	4 824
OECD	25 545	22 344	16 659	16 102	12 134
SADC	4 758	5 285	6 745	6 622	6 513

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

6.4.1 Iron and Ferro-Alloy Metals

Iron (Fe-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	328 300	268 400	381 200	409 900	406 600	1e
Argentina	107 280	28 400	40 560	0	0	1e
Australia	531 075 350	548 297 062	560 054 570	567 957 086	568 384 644	1e
Austria	888 723	954 156	897 132	1 037 470	973 840	1e
Azerbaijan	10 710	0	0	0	0	1e
Bhutan	17 960	21 100	24 220	23 590	9 430	1e
Bolivia	1 710	22 230	41 560	45 830	15 410	1e
Bosnia-Herzegovina	893 420	827 170	704 050	739 600	727 980	1e
Brazil	267 983 700	289 089 904	287 611 275	255 272 650	246 790 595	1e
Canada	28 505 600	30 682 700	32 180 800	33 020 200	31 980 900	1e
Chile	9 008 873	9 549 327	8 942 638	8 427 224	9 890 886	1e
China	228 483 100	215 920 000	209 243 800	219 375 000	225 400 000	1n
Colombia	322 100	320 790	258 990	299 980	353 950	1e
Congo, Rep.		0	10 800	20 200	33 500	2n
Egypt	229 010	254 300	270 000	270 000	270 000	2n
Germany	74 500	82 900	82 900	94 100	95 500	1e
Guatemala	8 210	2 670	2 590	30	0	1e
Guinea				0	418 800	1e
India	121 395 000	125 716 600	129 615 740	153 157 640	128 308 000	3e
Indonesia	2 300 000	1 075 800	600 000	1 379 300	1 990 900	1n
Iran	21 623 000	21 884 000	24 700 000	28 305 000	33 660 000	1a
Kazakhstan	10 632 570	11 705 660	12 968 800	14 278 750	14 289 800	1e
Korea, North	3 333 100	3 645 500	2 082 800	1 796 400	1 640 800	1e
Korea, South	266 810	186 330	229 530	205 410	345 140	1e
Laos	69 040	150 000	59 500	282 180	607 830	1e
Liberia	843 100	962 900	2 794 300	2 657 200	2 924 600	1e
Malawi	2 280	3 000	1 540	1 800	3 010	1e
Malaysia	1 206 130	2 469 370	2 112 790	2 621 100	3 438 050	1e
Mauritania	8 624 200	7 678 500	6 961 700	7 927 700	8 135 000	1e
Mexico	8 454 390	7 027 520	8 412 810	10 331 270	10 774 600	1e
Mongolia	3 407 480	4 309 030	3 486 220	4 800 430	5 165 660	1e
Morocco	5 510	36 120	18 520	7 150	14 090	1e
Namibia	5 680	1 640	8 730	8 400	27 570	1e
Nepal	0	350	180	120	0	1e
New Zealand	2 027 560	2 324 640	2 100 000	1 915 000	2 260 000	1n
Nigeria	700	0	700	18 300	100	1e
Norway	1 425 000	992 700	1 129 900	1 069 700	1 014 700	1e
Pakistan	164 220	190 630	257 340	238 440	218 000	1e
Peru	7 663 120	8 806 450	9 533 870	10 120 007	8 893 972	1a
Philippines	10 300	0	0	0	25 700	1e
Russia	61 360 000	62 186 000	64 192 000	65 726 000	65 372 000	1e
Saudi Arabia	254 200	266 800	280 100	294 100	300 000	2n
Sierra Leone	3 814 410	3 194 930	0	0	0	1a

South Africa	43 196 310	48 808 920	48 277 430	47 064 410	36 266 950	1e
Sweden	18 206 400	18 741 000	18 405 000	19 367 200	20 112 200	1e
Tanzania				0	14 200	1e
Thailand	0	85	0	10 950	70 210	1e
Tunisia	113 800	106 900	95 000	100 700	92 800	1e
Turkey	4 353 700	6 095 400	9 546 700	8 828 800	13 087 300	1e
Uganda	1 280	1 390	2 700	0	0	1e
Ukraine	40 240 600	38 767 600	38 751 300	47 584 000	49 274 000	1e
United States	26 334 000	30 177 000	31 185 000	29 547 000	24 100 000	1e
Uruguay	1 040	1 010	2 520	2 510	1 240	1e
Venezuela	5 070 000	4 615 000	2 017 500	2 062 800	1 235 000	1e
Vietnam	1 833 600	3 309 000	3 352 800	3 663 600	3 143 400	3e
Total	1 466 177 076	1 511 758 884	1 523 930 105	1 552 366 227	1 522 558 857	

Chromium (Cr₂O₃ - Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Afghanistan	2 000	2 000	2 000	2 000	2 000	2n
Albania	317 500	351 500	497 100	488 700	212 650	1e
Brazil	166 259	212 503	219 724	199 256	226 762	1e
China	12 200	12 000	16 330	27 250	31 950	1e
Cuba	12 000	14 400	10 500	27 000	14 000	1e
Ethiopia		0	8 000	500	200	1e
Finland	469 140	411 060	466 750	502 050	480 870	1a
Greece		0	16 650	12 080	12 000	2n
India	1 728 270	1 609 010	1 864 070	1 832 120	1 335 400	3e
Iran	162 100	92 850	113 410	104 400	103 340	1a
Kazakhstan	1 989 500	2 193 500	2 378 200	2 458 800	1 977 900	1e
Madagascar	52 800	102 000	53 500	37 300	6 100	1e
Oman	232 820	181 090	353 630	293 040	152 840	1e
Pakistan	27 730	42 100	38 970	55 300	48 570	1e
Papua New Guinea	23 400	34 470	40 290	52 010	52 700	1n
Philippines	10 300	8 340	20 260	14 570	14 040	1e
Russia	162 800	170 800	177 500	175 000	187 000	1e
South Africa	6 254 600	7 073 400	7 524 700	7 384 000	5 442 500	1e
Sudan	1 850	15 360	12 960	5 950	4 300	3e
Turkey	1 070 030	1 384 700	1 146 600	1 528 700	1 087 400	1e
Zimbabwe	128 220	309 980	402 600	720 330	572 460	1e
Total	12 823 519	14 221 063	15 363 744	15 920 356	11 964 982	

Cobalt

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	5 183	5 034	4 878	5 741	5 630	1e
Botswana	281	0	0	0	0	1e
Brazil	852	185	4	0	0	1e
Canada	7 148	6 058	5 608	5 132	3 693	1e
China	9 293	8 300	3 100	3 000	2 200	2n
Congo, D.R.	69 038	82 461	111 713	78 664	86 591	1e
Cuba	5 514	5 407	5 000	4 200	4 200	2n

Finland	2 260	2 300	1 377	1 454	1 559	1a
Indonesia	350	350	350	350	350	2q
Madagascar	3 654	2 967	2 887	2 947	963	1e
Morocco	2 081	1 924	1 806	2 397	2 416	1n
New Caledonia	3 188	2 780	2 104	1 703	2 197	1e
Papua New Guinea	2 187	3 307	3 275	2 915	2 941	1n
Philippines	3 500	3 700	3 600	3 750	3 600	1n
Russia	8 600	8 900	8 700	9 400	9 700	1e
South Africa	1 101	1 065	1 007	1 027	897	1e
Turkey	100	220	259	115	250	1e
United States	690	640	480	500	600	1e
Vietnam	134	0	0	0	0	1n
Zambia	5 276	2 649	1 766	1 271	367	1e
Zimbabwe	409	445	403	402	956	1e
Total	130 839	138 692	158 317	124 968	129 110	

Manganese

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	2 388 500	2 879 010	3 514 320	3 259 200	3 356 030	1n
Bolivia		0	110	3 660	4 710	1e
Bosnia-Herzegovina	1 000	0	0	0	0	1e
Brazil	1 198 709	1 343 967	1 280 825	1 452 034	493 601	1e
Bulgaria	12 050	574	0	0	0	1a
China	2 150 000	2 508 000	1 180 000	1 350 000	1 218 000	1e
Colombia	0	0	80	160	0	1e
Congo, D.R.		0	5 360	1 780	1 000	2n
Cote d'Ivoire	90 900	204 700	319 200	472 700	530 200	1e
Egypt	0	11 900	13 200	7 900	5 300	2n
Gabon	1 573 100	2 265 800	2 874 600	3 158 100	3 709 100	1n
Georgia	125 400	171 300	187 600	151 300	180 900	1n
Ghana	706 390	1 051 250	1 593 110	1 884 050	825 130	1e
Hungary	4 840	0	0	0	0	1e
India	801 600	860 400	920 230	918 240	848 100	3e
Indonesia	24 500	24 000	24 000	24 000	23 500	1n
Iran	33 110	33 915	45 595	50 240	63 580	1a
Kazakhstan	323 300	294 900	288 300	230 700	164 300	1e
Kenya	0	2 700	7 000	16 600	13 600	1n
Malaysia	294 300	514 950	530 340	474 910	362 700	1e
Mexico	215 782	218 510	209 023	232 957	258 045	1e
Morocco	34 170	49 500	39 770	35 600	42 050	1e
Myanmar	116 000	136 600	207 500	429 000	254 000	1n
Namibia	5 050	9 820	8 800	14 660	10 010	1e
Nigeria	20 330	13 550	22 880	1 000	5 850	1e
Oman	3 660	3 400	11 170	12 500	2 180	1e
Pakistan	20	430	50	390	400	2n
Peru	1 194	1 133	17 203	18 814	10 120	1a
Romania	1 550	5 660	5 150	9 290	8 450	1e
Russia		0	8 600	5 900	28 200	1e
Senegal	600	1 520	3 330	1 880	6 580	1e
South Africa	4 028 100	5 501 400	5 641 200	6 456 400	5 983 000	1e
Sudan	3 920	4 000	4 000	1 000	0	1e
Thailand	4 390	3 850	1 920	2 305	670	1e

Turkey	16 400	27 300	29 900	39 900	35 600	1e
Ukraine	491 500	650 500	682 700	686 100	698 500	1e
Vietnam	92 000	102 000	111 000	113 000	121 000	1n
Zambia	27 500	39 900	37 800	11 970	12 220	1e
Total	14 789 865	18 936 439	19 825 866	21 528 240	19 276 626	

Molybdenum

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	479	651	364	0	0	1e
Armenia	5 771	5 038	5 422	7 137	11 909	1e
Canada	2 783	4 765	5 048	4 385	2 671	1e
Chile	55 647	62 746	60 705	54 759	59 381	1e
China	112 590	117 090	98 420	104 670	95 970	1e
Iran	3 340	4 280	3 690	4 160	3 536	1a
Kazakhstan	1 941	35	149	258	384	1n
Korea, North	440	480	560	530	100	2n
Korea, South	0	0	1	266	411	1e
Mexico	11 896	13 985	20 265	21 694	20 577	1e
Mongolia	2 432	2 640	2 580	2 490	2 890	1e
Norway	1	0	0	1	1	2e
Peru	25 757	28 141	28 034	30 441	32 185	1a
Russia	3 359	3 227	2 262	1 989	1 707	1e
Turkey	0	900	450	0	0	1e
United States	36 200	40 700	41 400	43 600	51 100	1e
Uzbekistan	620	700	750	800	760	1e
Total	263 256	285 378	270 100	277 180	283 582	

Nickel

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Albania	4 400	5 760	4 050	2 960	3 760	1e
Australia	203 135	185 466	160 022	158 751	169 344	1e
Botswana	16 878	0	0	0	0	1e
Brazil	78 626	68 803	65 254	55 744	77 133	1e
Canada	235 034	214 302	177 867	193 057	167 243	1e
China	100 200	102 348	98 963	104 674	105 048	1e
Colombia	37 092	40 606	43 056	40 571	36 094	1e
Cote d'Ivoire	0	400	12 300	9 900	20 220	1e
Cuba	48 000	49 300	49 000	45 500	46 500	2n
Dominican Republic	9 913	15 632	19 214	28 450	22 005	1e
Finland	20 654	34 641	43 572	38 530	41 429	1a
Greece	22 030	21 090	19 980	17 240	7 820	1e
Guatemala	36 900	54 500	48 400	44 600	50 600	1n
Indonesia	198 900	363 000	651 600	1 036 200	816 700	1a
Kosovo	4 310	7 120	4 790	3 360	4 180	1e
Madagascar	42 024	34 123	33 204	33 887	11 134	1e
Morocco	188	196	126	131	142	1n
Myanmar	25 000	29 250	17 750	14 200	22 000	1n
New Caledonia	204 207	215 382	216 225	208 185	199 697	1e

Norway	230	190	170	135	120	2e
Papua New Guinea	22 234	34 664	35 354	33 091	33 659	1n
Philippines	300 506	339 377	344 966	323 325	328 372	1e
Poland	770	720	660	755	710	1a
Russia	223 000	223 000	238 800	233 800	234 100	1e
South Africa	48 994	48 463	43 236	43 443	34 908	1e
Turkey	9 340	14 770	13 560	4 740	20 200	1e
United States	24 100	22 100	17 600	13 500	16 700	1e
Vietnam	4 272	0	0	0	0	1n
Zambia			0	2 500	5 712	1e
Zimbabwe	17 743	16 594	17 850	16 918	16 336	1e
Total	1 938 680	2 141 797	2 377 569	2 708 147	2 491 866	

Niobium (Nb₂O₅-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Brazil	80 669	83 166	99 554	127 220	85 572	1e
Burundi	8	18	5	5	5	1e
Canada	6 099	6 981	7 700	6 800	6 400	2n
China	30	30	20	20	30	2n
Congo, D.R.	797	717	607	433	565	1e
Ethiopia	28	25	28	14	11	1e
Mozambique	7	10	12	11	17	1e
Nigeria	104	122	181	170	80	1e
Russia	628	648	669	659	617	1n
Rwanda	190	260	245	205	160	1e
Uganda	4	3	2	2	52	1e
Total	88 564	91 980	109 023	135 539	93 509	

Tantalum (Ta₂O₅-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	10	20	40	80	50	1e
Bolivia	0	3	18	10	8	1e
Brazil	234	270	345	340	300	1n
Burundi	11	26	8	8	7	1e
China	120	110	100	135	180	2n
Congo, D.R.	845	761	644	460	600	1e
Ethiopia	101	90	104	50	41	1e
Malaysia	8	6	27	2	2	2n
Mozambique	41	57	66	59	94	1e
Nigeria	66	480	230	120	100	2n
Russia	49	45	44	32	60	1n
Rwanda	290	395	380	315	240	1e
Total	1 775	2 263	2 006	1 611	1 682	

Titanium (TiO₂-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	1 070 000	993 000	875 250	780 465	830 800	1e
Brazil	37 660	66 930	73 090	81 650	61 940	1e
Canada	550 000	670 000	620 000	550 000	480 000	2n
China	1 196 000	1 242 000	1 932 000	2 306 900	2 911 800	1e
India	341 400	167 800	172 700	205 200	205 000	2n
Iran	3 340	30 630	30 000	4 880	5 000	2n
Kazakhstan	66 600	65 000	65 000	60 000	28 000	2n
Kenya	339 480	345 560	340 150	262 660	256 410	1n
Korea, South	91 800	122 670	117 250	162 790	158 340	1e
Madagascar	152 100	230 700	214 000	258 800	220 500	1e
Malaysia	5 990	8 500	12 600	6 930	7 010	1e
Mozambique	731 200	725 200	701 400	786 900	874 000	1e
Norway	260 000	238 200	176 370	211 280	229 780	1e
Russia	18 880	2 900	3 000	3 100	3 000	1e
Senegal	238 120	280 320	287 940	281 030	291 740	1e
Sierra Leone	156 570	190 480	145 400	165 180	135 930	1a
South Africa	950 000	1 090 000	1 000 000	970 000	950 000	2n
Sri Lanka	16 510	30 630	35 670	25 940	11 150	1e
Thailand	0	4	23	64	84	1e
Turkey	4 750	6 370	6 175	6 130	6 455	1e
Ukraine	339 800	430 300	518 950	564 050	537 430	1e
United States	55 000	66 000	100 000	100 000	100 000	1e
Vietnam	109 620	117 160	122 250	112 680	119 810	3e
Total	6 734 820	7 120 354	7 549 218	7 906 629	8 424 179	

Tungsten (W-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	108	5	10	30	100	1e
Austria	954	975	936	892	896	1e
Bolivia	1 109	1 015	1 366	1 064	1 347	1e
Brazil	323	411	300	431	371	1e
Burundi	77	144	108	150	166	1e
China	72 000	71 800	68 000	74 950	71 450	1e
Colombia	2	0	0	0	0	1e
Congo, D.R.	79	130	160	260	116	1e
Korea, North	50	310	1 410	1 130	410	1e
Korea, South	14	0	0	0	0	1e
Mexico			45	15	32	1e
Mongolia	755	523	430	370	35	1e
Myanmar	170	330	190	130	80	1e
Nigeria	8	12	66	15	18	1n
Peru	154	0	0	0	0	1a
Portugal	549	669	716	518	553	1a
Russia	2 707	2 144	2 234	2 433	2 274	1e
Rwanda	1 020	905	1 155	1 120	1 075	1e
Spain	699	564	856	414	400	2n
Thailand	29	43	65	22	57	1e
Uganda	41	62	188	144	11	1e

United Kingdom	732	1 086	890	0	0	1n
Uzbekistan	80	103	97	100	20	2n
Vietnam	5 041	5 141	4 881	4 816	8 066	1n
Zimbabwe	13	3	16	37	30	1e
Total	86 714	86 375	84 119	89 041	87 507	

Vanadium (V-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Brazil	6 544	6 798	6 562	7 045	7 582	1e
China	45 000	48 500	53 200	64 700	69 960	1n
India	1 125	0	442	76	100	3e
Russia	16 886	18 636	17 052	18 380	19 533	1n
South Africa	15 877	7 958	7 691	8 062	8 584	1n
United States			0	460	17	1e
Total	85 432	81 892	84 947	98 723	105 776	

6.4.2 Non-Ferrous Metals

Aluminium

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	428 957	431 239	439 600	438 434	309 804	1e
Australia	1 633 904	1 487 555	1 574 239	1 569 619	1 585 017	1e
Azerbaijan	36 800	28 500	45 390	32 700	28 560	1n
Bahrain	971 420	981 016	1 011 101	1 365 005	1 548 500	1n
Bosnia-Herzegovina	106 649	125 536	131 508	67 690	0	1e
Brazil	792 700	801 700	659 000	650 200	685 100	1e
Cameroon	84 689	68 598	65 900	53 200	47 500	1e
Canada	3 208 888	3 212 124	2 924 389	2 853 771	3 118 710	1e
China	31 775 400	33 289 600	36 831 000	35 361 600	37 080 400	1e
Egypt	297 000	298 000	267 100	290 000	268 000	1q
France	424 640	426 730	390 000	401 850	385 240	1e
Germany	546 800	550 000	528 900	507 934	529 056	1e
Ghana	33 010	40 500	42 867	43 908	37 566	1e
Greece	181 680	181 700	187 465	186 903	181 900	1n
Iceland	700 080	759 988	731 478	682 616	691 989	1e
India	2 896 629	3 400 618	3 696 181	3 635 089	3 619 237	1e
Indonesia	245 483	215 192	219 306	233 457	220 089	1n
Iran	341 000	337 608	304 800	258 166	424 475	1n
Kazakhstan	235 566	254 000	258 400	264 895	265 665	1e
Malaysia	620 000	760 000	760 000	760 000	980 700	1n
Montenegro	38 915	39 379	40 163	36 522	37 208	1e
Mozambique	571 125	577 495	571 125	564 756	571 125	1n
Netherlands	36 300	29 300	41 300	81 100	70 600	1q
New Zealand	338 556	336 740	340 678	351 481	333 314	1n
Norway	1 247 000	1 253 000	1 295 000	1 312 000	1 330 000	1n

Oman	386 395	252 714	379 775	390 515	396 929	1n
Qatar	612 000	620 000	616 000	627 400	631 400	1n
Romania	272 507	282 074	282 810	280 326	271 307	1n
Russia	3 561 000	3 583 000	3 774 000	3 894 400	3 929 200	1e
Saudi Arabia	756 840	762 068	775 500	775 561	796 004	1n
Slovakia	173 643	173 492	173 721	174 794	151 875	1n
Slovenia	84 365	84 424	80 511	68 255	50 185	1n
South Africa	701 000	716 000	714 000	717 000	717 000	1n
Spain	360 000	360 000	350 000	230 000	200 000	2q
Sweden	124 000	123 000	125 000	120 000	117 000	1n
Tajikistan	129 291	103 147	95 800	100 800	84 000	1e
Turkey	78 807	75 523	73 291	78 100	79 600	1e
United Arab Emirates	2 471 000	2 600 000	2 640 000	2 579 000	2 505 000	1n
United Kingdom	46 000	46 500	44 400	39 400	35 700	1q
United States	818 430	740 884	896 652	1 126 032	1 026 617	1e
Venezuela	145 000	136 000	64 700	10 000	9 996	1n
Total	58 513 469	60 544 944	64 443 050	63 214 479	65 351 568	

Antimony

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	4 285	3 131	2 173	2 032	3 903	1n
Bolivia	2 669	2 881	3 110	2 747	2 629	1e
Canada	0	1	5	2	2	1e
China	103 620	97 683	70 396	68 422	60 995	1e
Ecuador	15	260	0	0	0	1e
Guatemala	25	0	0	150	50	1e
Honduras	0	0	20	15	10	2n
Iran	2 767	620	1 645	330	1 065	1a
Kazakhstan	573	350	150	0	0	1n
Kyrgyzstan	1 880	1 380	680	20	20	1n
Laos	242	320	330	70	0	1e
Mexico	166	240	300	289	136	1n
Myanmar	2 000	4 500	2 640	4 800	6 600	1n
Pakistan	21	15	20	0	17	1n
Russia	6 620	6 120	30 828	21 671	17 532	1e
South Africa	350	0	0	0	0	1e
Tajikistan	26 970	26 370	28 890	29 900	32 000	2n
Thailand	32	0	0	0	0	1e
Turkey	2 750	4 840	3 570	3 815	2 570	1e
Vietnam	230	230	245	396	387	3e
Total	155 215	148 941	145 002	134 659	127 916	

Arsenic

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Belgium	1 000	1 000	1 000	1 000	1 000	2b
Bolivia	38	20	238	126	50	1e
China	25 000	25 000	24 000	24 000	24 000	2b
Iran	0	400	0	0	0	1a

Japan	45	45	45	45	40	2b
Morocco	6 122	6 879	5 578	5 055	7 694	1n
Namibia	1 960	700	0	0	0	1n
Peru	23 252	22 403	20 376	24 915	19 014	1a
Russia	1 500	1 000	500	102	100	2n
Total	58 917	57 447	51 737	55 243	51 898	

Bauxite (crude ore)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	83 517 148	89 420 589	95 947 593	105 543 787	103 626 811	1e
Bosnia-Herzegovina	738 609	740 384	760 244	1 043 343	619 748	1e
Brazil	39 244 200	38 072 100	32 377 000	31 937 900	32 897 800	1n
China	66 157 700	68 390 000	70 751 000	75 000 000	70 000 000	1e
Colombia	693	2 400	13 666	18 033	9 595	1e
Cote d'Ivoire				0	272 295	1e
Croatia	9 780	12 215	11 776	14 342	14 084	1e
Dominican Republic	7 318	0	0	0	9 475	1e
Fiji	58 050	118 540	57 960	0	0	1e
France	92 116	139 055	110 000	110 000	124 000	2e
Ghana	1 143 676	1 476 966	1 011 302	1 116 334	1 162 086	1e
Greece	1 847 700	1 927 150	1 559 359	1 379 123	1 428 631	1e
Guinea	32 423 932	51 701 564	59 573 707	70 173 326	87 766 199	1e
Guyana	1 479 090	1 459 223	1 926 053	1 919 747	595 943	1e
Hungary	16 710	1 300	4 200	0	0	1e
India	24 745 487	22 786 106	23 689 619	21 825 227	20 368 665	1e
Indonesia	494 722	1 733 380	11 023 850	16 592 740	25 859 895	1a
Iran	765 616	804 510	866 683	828 788	1 042 325	1a
Jamaica	8 540 131	8 244 628	10 058 228	9 022 286	7 546 139	1e
Kazakhstan	4 801 300	4 846 100	6 104 200	4 118 400	4 057 800	1e
Malaysia	6 700 000	830 000	589 685	900 561	594 715	1e
Mexico	96 000	0	0	0	0	1e
Montenegro	667 259	927 847	468 164	774 725	791 813	1a
Mozambique	1 451	3 182	9 912	8 024	6 491	1e
Pakistan	57 024	75 375	145 189	92 936	101 047	1e
Russia	6 095 000	5 845 000	7 057 000	6 641 000	6 647 000	1e
Saudi Arabia	4 768 000	4 125 000	4 906 000	5 127 000	5 243 000	2e
Sierra Leone	1 368 531	1 787 716	1 938 461	1 883 863	1 342 139	1n
Solomon Islands	234 500	1 523 900	1 646 200	1 234 030	841 890	1e
Tanzania	73	12	7	0	25 995	1e
Turkey	989 156	1 719 144	678 138	2 255 480	2 399 680	1e
United States	272 900	352 100	399 700	154 900	16 440	1e
Venezuela	340 000	242 000	92 000	50 000	0	1e
Vietnam	1 606 100	2 565 000	3 569 700	3 700 000	3 610 000	1n
Total	289 279 972	311 872 486	337 346 596	363 465 895	379 021 701	

Beryllium (concentrates)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Brazil	125	69	39	9	10	2n
China	1 250	1 250	1 250	1 750	1 750	2n
Madagascar	140	140	140	30	30	2n
Mozambique	181	53	416	0	80	1e
Nigeria	0	0	35	1	2	1e
Rwanda	30	30	30	20	20	2n
United States	3 870	3 760	4 170	4 050	4 160	1n
Zambia	5	4	7	7	2	1n
Total	5 601	5 306	6 087	5 867	6 054	

Bismuth

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Armenia	1	1	0	0	0	1e
Bolivia	57	8	39	0	55	1e
Canada	3	4	5	4	4	1e
China	7 100	6 800	7 000	7 000	7 500	2n
Japan	428	525	571	540	570	1e
Kazakhstan	260	200	159	200	270	2n
Mexico	539	513	313	291	0	1e
Peru	188	123	145	73	74	1a
Russia	30	30	15	46	45	2e
Uzbekistan	0	0	0	2	2	2n
Vietnam	2 013	2 403	2 639	917	993	1n
Total	10 619	10 607	10 886	9 073	9 513	

Cadmium

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	91	96	74	80	46	1e
Brazil	200	180	300	450	100	2n
Bulgaria	362	333	313	315	311	1e
Canada	2 305	1 802	1 857	1 803	1 800	2n
China	8 222	8 411	10 349	10 000	10 000	2n
Germany	652	730	520	620	500	1n
India	35	47	0	0	0	1e
Japan	1 988	2 142	1 980	1 783	1 880	1e
Kazakhstan	2 682	2 690	850	1 200	1 500	2n
Korea, North	200	200	200	150	150	2n
Korea, South	4 595	4 960	5 100	3 950	4 100	1e
Mexico	1 244	1 142	1 307	952	978	1e
Netherlands	1 000	890	960	860	880	1b
Norway	335	416	380	370	344	1e
Peru	820	797	765	772	451	1a
Poland	200	309	305	199	80	1a

Russia	1 100	1 176	1 201	1 000	1 000	2n
United States	400	400	300	250	400	2n
Uzbekistan	290	306	237	250	450	2n
Total	26 721	27 027	26 998	25 004	24 970	

Copper

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Albania	2 020	0	3 780	5 900	3 070	1e
Argentina	81 902	33 303	17 435	0	0	1e
Armenia	95 080	95 793	68 928	91 214	83 291	1e
Australia	947 555	849 121	910 896	925 157	879 522	1e
Azerbaijan	1 947	2 063	1 650	2 213	2 591	1n
Bolivia	8 718	7 219	5 216	4 478	2 822	1e
Botswana	13 120	1 239	1 462	0	0	1e
Brazil	338 921	384 542	385 762	363 268	352 635	1e
Bulgaria	111 870	110 290	112 850	114 240	107 610	1a
Canada	695 508	597 194	548 011	543 609	475 898	1e
Chile	5 552 600	5 503 500	5 831 600	5 787 400	5 733 100	1e
China	1 851 000	1 706 400	1 618 480	1 683 450	1 718 940	1e
Colombia	8 493	9 356	9 918	7 641	9 356	1n
Congo, D.R.	1 023 687	1 094 638	1 239 059	1 461 124	1 712 964	1e
Congo, Rep.	0	15 979	18 018	18 760	10 300	2n
Cyprus	1 754	1 293	908	703	0	1a
Dominican Republic	9 725	9 618	8 588	6 047	2 193	1e
Ecuador	40 200	8 200	42 200	9 900	49 700	1e
Eritrea	25 300	7 900	17 300	16 008	21 725	1n
Finland	47 488	53 144	46 755	32 861	36 278	1a
Georgia	7 600	9 400	9 100	9 500	10 000	1q
Germany	41	63	51	40	37	2e
India	29 670	31 550	32 530	26 980	25 770	1e
Indonesia	727 959	621 979	651 132	351 220	505 200	1n
Iran	282 500	295 653	316 380	314 143	313 323	1a
Kazakhstan	471 500	540 700	632 550	604 970	548 760	1e
Korea, North	20 000	15 000	15 000	2 000	2 000	2q
Korea, South	117	7	0	0	0	1e
Kyrgyzstan	8 638	8 956	8 813	8 640	6 500	1n
Laos	167 679	153 304	154 948	140 935	92 410	1e
Mauritania	32 818	28 791	28 137	29 620	28 491	1e
Mexico	793 982	742 246	696 580	713 704	800 316	1e
Mongolia	374 260	314 920	309 750	290 980	291 010	1e
Morocco	31 810	35 420	32 430	30 720	31 750	1e
Myanmar	94 390	126 930	179 310	219 200	196 500	2n
Namibia	16 391	15 466	15 177	14 940	15 741	1e
North Macedonia	10 429	8 966	7 718	7 231	6 625	1n
Pakistan	14 136	10 052	12 538	13 049	13 200	1n
Panama			0	147 480	205 548	1n
Papua New Guinea	80 022	105 448	96 277	99 432	82 841	1n
Peru	2 353 859	2 445 585	2 437 035	2 455 440	2 150 126	1a
Philippines	83 649	68 156	69 933	71 892	60 856	1e
Poland	424 276	419 300	401 300	398 900	392 700	1n
Portugal	74 352	63 812	49 064	41 553	32 230	1a
Romania	8 390	8 160	8 555	9 180	9 130	1n
Russia	702 300	761 100	870 500	812 400	924 100	1e
Saudi Arabia	27 840	43 150	59 200	68 580	79 060	1n
Serbia	34 625	45 115	44 096	43 550	52 207	1n

Slovakia	39	32	21	17	20	1e
South Africa	65 257	65 532	46 900	52 501	29 068	1e
Spain	172 522	198 353	187 714	170 556	190 300	1q
Sweden	79 247	104 594	106 140	99 332	100 065	1e
Tajikistan	2 050	6 060	8 490	8 500	1 000	2n
Tanzania	17 400	15 800	10 000	14 187	11 700	2q
Turkey	107 300	85 200	87 000	73 300	107 000	1q
United States	1 430 000	1 260 000	1 220 000	1 260 000	1 200 000	1e
Uzbekistan	100 000	109 000	117 000	137 300	142 800	1q
Vietnam	22 300	21 100	25 300	29 240	37 990	1n
Zambia	774 290	799 329	857 847	796 430	882 061	1e
Zimbabwe	9 101	8 839	9 077	8 731	7 933	1e
Total	20 509 627	20 083 860	20 702 409	20 650 346	20 788 363	

Gallium

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
China	171	290	305	356	290	1e
Germany	4	0	0	0	0	1e
Japan	3	3	3	3	3	2n
Korea, South	3	3	3	2	2	1b
Russia	4	5	6	8	5	2n
Ukraine	9	9	6	5	4	2n
Total	194	310	323	374	304	

Germanium

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
China	110	87	95	85	86	1e
Japan	2	2	2	2	2	2n
Russia	6	6	6	5	5	2n
Ukraine	1	1	1	1	1	2n
United States	3	2	2	2	2	2n
Total	122	98	106	95	96	

Indium

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Belgium	20	20	20	20	20	2b
Brazil	5	5	0	0	0	2n
Canada	71	67	58	61	63	1e
China	357	355	395	490	528	1e
France	0	30	43	38	40	2n
Germany	10	10	0	0	0	2n

Japan	70	70	70	70	66	2b
Korea, South	210	215	235	225	210	1b
Peru	5	5	5	7	7	2n
Russia	5	5	4	6	10	2n
Total	753	782	830	917	944	

Lead

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	28 016	40 135	28 260	42 957	23 008	1e
Australia	441 338	395 190	446 571	500 985	494 271	1e
Bolivia	89 906	113 286	112 140	88 002	64 619	1e
Bosnia-Herzegovina	6 600	6 740	7 070	7 470	6 110	1n
Brazil	9 015	6 959	7 277	5 715	5 351	1n
Bulgaria	22 040	22 860	24 200	23 350	20 680	1a
Canada	12 653	20 477	17 874	22 608	3 770	1n
Chile	1 110	1 562	712	7	1 386	1e
China	2 227 500	2 080 000	2 033 000	2 097 000	1 969 000	1n
Congo, D.R.	101	0	0	0	0	1e
Cuba	0	1 500	25 380	36 000	30 000	1q
Finland			0	937	1 532	1a
Greece	11 283	12 075	15 345	14 818	19 717	1n
Guatemala	10 000	4 200	264	377	0	1e
Honduras	4 000	6 761	9 893	12 308	13 400	2n
India	150 860	172 720	205 920	194 590	208 510	1e
Indonesia	5 280	7 635	11 380	10 820	7 590	1a
Iran	36 900	44 900	49 600	72 500	81 800	2a
Ireland	19 600	17 100	16 712	16 053	14 401	1e
Kazakhstan	70 500	111 200	86 500	55 700	30 200	1e
Korea, North	36 800	31 600	35 000	25 000	24 000	2n
Korea, South	2 840	3 760	2 340	1 930	1 680	1e
Kosovo	6 530	5 100	4 700	3 960	3 870	1e
Laos	510	660	330	250	90	1n
Mexico	246 755	243 022	230 869	372 106	468 486	1e
Mongolia	4 720	7 390	11 320	13 500	12 400	1e
Montenegro	2 500	3 050	3 100	3 480	640	1e
Morocco	28 670	38 040	30 360	32 770	38 190	1e
Myanmar	21 600	14 890	24 930	35 090	27 290	1n
Namibia	6 800	5 805	4 291	6 320	8 890	1e
Nigeria	14 500	24 260	17 900	23 550	20 100	1n
North Macedonia	31 030	39 850	41 900	43 490	44 930	1e
Pakistan	1 196	3 050	4 820	8 090	7 094	1n
Peru	314 422	306 784	289 123	308 116	241 548	1a
Poland	43 060	39 000	40 210	48 510	46 790	1e
Portugal	4 126	5 164	19 440	27 852	28 178	1a
Romania	120	720	1 200	520	510	1e
Russia	204 300	204 700	206 100	207 900	200 700	1e
Serbia	7 080	8 790	9 110	9 970	8 420	1e
Slovakia	133	147	114	111	102	1e
South Africa	39 344	48 150	35 118	42 936	28 048	1e
Spain	4 946	3 268	9 936	11 390	11 650	1n
Sweden	75 830	71 112	64 751	68 635	65 402	1e
Tajikistan	57 360	61 090	52 990	65 570	41 630	1e
Turkey	64 300	74 990	75 990	71 480	81 520	1n

United Kingdom	100	100	100	150	100	3e
United States	346 000	310 000	280 000	274 000	306 000	1e
Uzbekistan	2 000	26 000	21 300	19 100	18 400	1q
Vietnam	800	4 500	14 500	12 500	13 980	1n
Total	4 715 074	4 650 292	4 629 940	4 940 473	4 745 983	

Lithium (Li₂O-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	12 200	12 360	13 810	13 670	12 620	1e
Australia	29 640	98 260	114 920	103 000	88 550	1n
Bolivia	10	20	10	160	80	1e
Brazil	440	533	600	2 390	3 710	1e
Canada	0	66	8 750	1 200	0	1e
Chile	31 240	32 520	38 850	44 940	49 730	1e
China	6 000	14 700	15 300	19 000	28 800	1e
Namibia		0	600	0	0	1e
Nigeria		0	50	10	0	1e
Portugal	307	604	914	710	280	1e
United States	1 800	1 420	1 500	1 450	1 220	1e
Zimbabwe	2 030	1 850	3 160	2 650	860	1e
Total	83 667	162 333	198 464	189 180	185 850	

Mercury

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	135	54	50	50	0	1e
Chile	2	5	3	0	0	2n
China	3 433	1 949	2 303	2 046	1 993	1e
Iran	2	3	0	0	0	2n
Kyrgyzstan	50	10	88	20	20	2n
Mexico	267	200	230	50	70	2e
Morocco	20	10	5	2	2	2n
Russia	50	50	50	50	30	2n
Tajikistan	120	100	120	80	160	2n
United States	15	15	15	15	15	2n
Total	4 094	2 396	2 864	2 313	2 290	

Rare Earth Minerals (REO-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	13 872	17 264	18 556	17 660	19 440	1n
Brazil	2 900	1 900	800	600	708	1e
Burundi		31	631	195	296	1e

China	105 000	105 000	120 000	132 000	140 000	1e
India	1 130	1 360	2 110	2 100	2 100	2n
Malaysia	1 130	180	990	70	70	2n
Myanmar	2 730	5 000	20 400	17 100	21 000	1e
Russia	3 063	2 500	2 596	2 620	2 663	1n
United States	0	0	14 000	28 000	39 000	1e
Total	129 825	133 235	180 083	200 345	225 277	

Rhenium

Country	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg	Rem
Armenia	280	260	280	310	260	2n
Chile	22 542	20 451	26 052	24 003	14 549	1n
China	2 400	2 500	2 500	2 500	2 500	2b
Kazakhstan	6 700	2 600	1 600	1 000	1 000	2n
Poland	6 443	7 564	6 290	5 770	6 580	1e
Russia	1 500	1 500	1 000	1 000	2 000	1e
United States	8 440	8 200	8 220	8 360	8 830	1e
Uzbekistan	660	530	500	800	1 000	1e
Total	48 965	43 605	46 442	43 743	36 719	

Selenium

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Armenia	1	1	0	0	0	1e
Belgium	200	200	200	200	200	2b
Canada	175	72	85	102	102	1e
China	772	720	930	1 250	1 120	1e
Finland	104	100	109	115	84	1e
Germany	700	300	300	300	300	2b
India	17	17	17	17	10	2n
Japan	752	792	768	740	740	1e
Kazakhstan	13	40	10	10	0	1n
Mexico	121	112	107	127	106	1e
Peru	45	50	55	60	53	1a
Philippines	90	100	100	100	100	2n
Poland	82	74	66	76	74	1a
Russia	197	194	185	193	195	2n
Serbia	18	27	28	20	10	1e
Sweden	64	66	59	53	50	2n
United States	122	116	152	144	150	2n
Uzbekistan	10	25	28	30	40	1e
Total	3 483	3 006	3 199	3 537	3 334	

Tellurium

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Bulgaria	4	5	4	3	4	1e
Canada	18	18	25	13	23	1e
China	279	470	480	380	260	1e
Japan	33	38	58	50	70	2b
Russia	40	44	35	38	40	2n
Sweden	39	35	45	41	42	1e
United States	50	0	0	2	2	2n
Uzbekistan	3	3	2	2	3	1e
Total	466	613	649	529	444	

Tin

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	6 635	7 402	6 871	7 738	8 118	1e
Bolivia	17 460	18 386	17 251	17 147	14 709	1e
Brazil	15 183	17 081	17 591	14 867	16 893	1e
Burundi	51	123	122	143	121	1e
China	91 610	74 800	87 070	85 584	94 460	1e
Colombia			0	22	10	1e
Congo, D.R.	6 503	10 391	8 950	10 990	14 670	1e
India	9	13	16	12	13	1e
Indonesia	62 877	78 070	82 809	76 390	52 617	1a
Laos	1 005	975	430	530	600	1e
Malaysia	4 158	4 819	3 868	3 611	2 961	1e
Mongolia	25	20	25	20	0	3e
Myanmar	61 400	67 300	54 500	38 900	33 440	1n
Namibia			0	7	242	1n
Nigeria	3 443	8 260	7 850	6 900	5 970	1n
Peru	18 789	17 790	18 601	19 853	20 647	1a
Portugal	54	81	111	108	104	1a
Russia	627	1 011	1 531	2 471	2 559	1e
Rwanda	2 560	3 430	3 405	2 780	2 030	1e
Spain	7	24	81	101	96	1e
Tanzania	104	68	6	18	35	1e
Thailand	58	341	47	46	198	1e
Uganda	62	66	53	15	0	1e
United Kingdom	144	255	220	0	0	1n
Vietnam	4 468	5 200	5 745	6 369	6 798	1q
Total	297 232	315 906	317 153	294 622	277 291	

Zinc

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	330	350	500	500	1 000	2n
Argentina	22 792	23 392	22 050	19 462	11 320	1e

Armenia	4 960	6 070	6 946	7 162	8 684	1e
Australia	884 826	852 164	1 146 781	1 337 321	1 314 910	1e
Bolivia	486 955	527 206	519 630	527 521	358 411	1e
Bosnia-Herzegovina	8 840	9 180	9 350	9 160	6 610	1n
Brazil	158 197	156 348	167 249	163 394	174 490	1e
Bulgaria	18 790	19 250	20 390	19 170	17 520	1a
Burkina Faso	80 950	91 530	99 162	106 680	78 990	1a
Canada	321 272	346 776	304 964	323 000	210 707	1e
Chile	42 870	29 008	26 810	5 620	28 662	1e
China	4 635 000	3 868 500	3 721 000	4 213 000	4 058 000	1e
Congo, D.R.	12 587	12 337	1 047	1 607	15 305	1e
Congo, Rep.	520	4 270	460	4 830	1 100	1e
Cuba	0	2 900	42 250	57 830	57 730	1n
Dominican Republic	3 636	3 920	4 038	5 527	2 361	1e
Eritrea	40 900	95 400	125 000	121 260	121 930	1n
Finland	45 852	66 284	85 067	69 800	61 213	1e
Greece	18 866	18 715	21 515	22 322	28 090	1n
Guatemala	15 000	6 100	0	0	0	1e
Honduras	14 500	20 437	28 422	29 454	30 200	2n
India	755 780	772 600	728 400	718 060	751 400	1e
Indonesia	8 540	13 800	20 070	21 020	20 020	1a
Iran	106 900	129 900	143 600	209 900	215 200	2a
Ireland	147 800	130 600	131 742	122 463	127 008	1e
Kazakhstan	324 800	315 900	304 400	327 000	310 400	1e
Korea, North	64 000	36 000	30 000	25 700	25 000	2n
Korea, South	2 260	3 320	3 660	4 110	4 250	1e
Kosovo	4 800	4 500	3 600	3 050	3 890	1e
Laos	750	0	3 080	1 250	860	1n
Mexico	666 896	671 444	662 355	859 194	1 008 252	1e
Mongolia	50 100	41 350	43 950	41 550	38 150	1e
Montenegro	8 100	8 820	10 670	9 520	10 130	1e
Morocco	43 020	51 700	57 700	43 570	35 810	1e
Myanmar	6 500	13 150	12 240	13 680	11 310	1n
Namibia	132 470	131 920	118 310	124 630	62 260	1e
Nigeria	13 400	22 130	26 920	23 310	26 880	1n
North Macedonia	24 870	27 510	29 720	31 040	31 750	1e
Pakistan	7 700	19 460	26 980	37 365	35 054	1n
Peru	1 337 081	1 473 073	1 474 674	1 404 382	1 334 570	1a
Poland	61 000	50 000	43 000	40 000	43 000	1a
Portugal	71 052	71 357	144 983	161 569	176 849	1a
Romania	1 500	770	330	1 260	100	2q
Russia	245 800	255 200	288 000	275 400	260 700	1e
Saudi Arabia	4 230	21 787	27 100	31 870	33 500	2n
Serbia	6 900	7 400	8 230	7 510	11 480	1e
Slovakia	126	166	151	119	96	1e
South Africa	26 695	30 778	28 129	125 157	160 816	1e
Spain	76 342	70 451	106 352	90 980	90 400	1q
Sweden	258 264	251 244	237 715	247 657	234 811	1e
Tajikistan	73 850	92 940	84 330	90 860	54 720	1e
Thailand	35 130	1 580	0	0	0	1e
Turkey	118 700	155 900	184 500	146 800	136 300	1q
United States	804 800	773 800	824 000	753 000	718 000	1e
Uzbekistan	45 000	47 200	38 400	35 400	37 200	1q
Vietnam	12 000	12 000	12 000	13 000	10 900	1n
Total	12 364 799	11 869 887	12 211 922	13 085 996	12 608 299	

6.4.3 Precious Metals

Gold

Country	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg	Rem
Algeria	102	137	286	70	58	1e
Argentina	56 967	60 956	58 397	53 125	34 936	1e
Armenia	3 732	4 670	4 967	5 825	5 317	1n
Australia	290 767	292 022	313 028	326 304	327 889	1e
Azerbaijan	2 034	3 667	4 239	3 897	3 635	1n
Benin	7	5	5	5	5	2n
Bolivia	22 545	28 726	31 599	42 000	23 207	1e
Botswana	833	913	1 105	943	851	1e
Brazil	94 153	79 717	85 198	89 988	98 922	1e
Bulgaria	7 920	8 670	8 995	7 467	9 349	1n
Burkina Faso	38 530	46 398	52 622	50 302	62 138	1a
Burundi	396	953	598	573	863	1e
Cameroon	542	713	448	341	400	2n
Canada	163 923	178 568	194 155	190 542	182 352	1e
Central African Republic	33	118	142	359	401	1e
Chile	46 333	37 911	37 066	38 455	33 895	1e
China	453 500	426 142	401 119	380 230	365 340	1e
Colombia	63 157	43 158	35 965	38 006	48 561	1e
Congo, D.R.	30 664	31 586	36 777	33 752	29 597	1e
Congo, Rep.	100	100	150	150	150	2n
Costa Rica	750	4 255	3 699	4 500	600	1q
Cote d'Ivoire	25 055	25 396	24 488	32 568	38 523	1e
Cyprus	0	48	47	33	61	1a
Dominican Republic	37 933	35 243	31 633	31 801	28 154	1e
Ecuador	6 761	6 368	8 213	6 293	9 086	1e
Egypt	17 139	16 941	14 694	14 946	14 069	1n
Eritrea	333	2 633	3 768	2 443	3 019	1n
Eswatini			0	6	1	1e
Ethiopia	8 573	5 390	3 495	2 800	7 500	1e
Fiji	1 500	1 425	1 281	1 106	1 045	1e
Finland	8 865	9 102	8 732	7 927	8 668	1a
French Guiana	1 321	1 486	1 320	1 105	989	1e
Gabon	1 020	620	83	107	55	2e
Georgia	3 621	3 032	2 913	4 052	4 768	1q
Germany	17	7	9	15	10	2e
Ghana	128 026	143 438	149 057	142 371	125 114	1e
Greece	940	823	2 839	2 333	2 177	1e
Guatemala	3 907	1 646	0	0	0	1e
Guinea	29 192	46 847	25 823	27 708	91 798	1e
Guyana	22 168	20 334	19 069	19 963	18 209	1e
Honduras	2 607	2 656	2 070	3 035	1 963	1n
India	1 594	1 651	1 664	1 742	1 127	1e
Indonesia	91 090	101 510	135 250	108 900	66 190	1a
Iran	4 537	7 100	7 600	8 140	6 919	1a
Japan	6 455	6 369	6 453	6 313	7 590	1e
Kazakhstan	74 737	85 339	100 288	106 559	116 964	1e
Kenya	197	503	472	395	150	1e
Korea, North	10 000	10 000	10 000	10 000	10 000	2q
Korea, South	205	285	239	181	188	1e
Kyrgyzstan	19 856	22 795	22 602	23 848	24 150	1n
Laos	6 764	5 988	5 579	5 207	6 250	1n
Liberia	4 704	6 071	7 289	5 068	4 396	1e

Madagascar	586	2 834	2 977	2 059	1 517	1e
Malaysia	2 249	2 124	2 978	3 151	1 716	1e
Mali	46 903	49 622	60 893	66 739	71 200	1e
Mauritania	7 127	9 096	9 236	13 554	14 125	1e
Mexico	133 552	126 820	141 143	133 893	142 787	1e
Mongolia	18 436	19 849	20 655	16 235	20 226	1e
Morocco	352	220	386	221	143	1n
Mozambique	201	166	507	430	488	1e
Myanmar	1 446	1 620	467	267	871	1e
Namibia	7 062	7 800	6 632	7 016	6 718	1n
New Zealand	9 866	10 288	10 045	8 217	5 860	1e
Nicaragua	8 391	7 367	7 703	9 190	7 935	1e
Niger	999	914	6 207	5 224	2 361	1e
Nigeria	7 000	7 000	10 000	9 000	1 520	1e
North Macedonia	664	972	767	593	448	1n
Panama	0	0	0	1 869	2 633	1n
Papua New Guinea	61 785	61 678	67 282	71 050	52 510	1n
Peru	153 006	151 964	140 211	128 413	88 054	1a
Philippines	23 053	22 749	20 765	20 646	17 564	1e
Poland	402	572	523	674	878	1a
Romania	500	960	900	500	500	2q
Russia	253 580	270 300	279 850	305 050	308 560	1e
Rwanda	1 980	2 000	2 163	2 000	2 000	2n
Saudi Arabia	7 010	10 465	13 397	12 418	13 222	1e
Senegal	6 741	7 255	12 508	14 550	12 408	1e
Serbia	805	1 199	839	1 452	1 550	1n
Sierra Leone	188	142	464	75	25	1a
Slovakia	466	447	515	346	336	1e
South Africa	142 202	137 290	117 144	105 185	95 887	1e
Spain	1 291	1 825	1 991	1 913	1 609	1n
Sudan	93 000	107 300	93 600	57 700	35 700	1e
Suriname	12 926	25 844	26 006	24 516	21 214	1n
Sweden	6 463	7 858	7 866	7 972	8 249	1e
Taiwan	0	4	4	6	3	1e
Tajikistan	5 040	5 500	6 432	8 100	8 764	1e
Tanzania	45 778	43 490	39 304	48 408	55 805	1e
Thailand	4 293	0	0	0	0	1e
Togo	14 470	19 960	10 000	2 000	2 000	2n
Turkey	24 030	23 090	27 100	39 000	42 100	1e
Uganda	11	4	12	7	3 205	1e
United Kingdom	6	0	0	50	28	1e
United States	228 267	236 778	226 000	200 000	193 400	1e
Uruguay	999	1 055	393	0	0	1e
Uzbekistan	100 000	89 900	92 716	100 900	104 600	1q
Venezuela	800	8 100	9 100	9 100	9 000	2q
Vietnam	584	557	570	540	618	1n
Zambia	4 610	4 373	4 044	4 522	3 994	1n
Zimbabwe	22 747	26 495	35 054	29 429	20 873	1e
Total	3 257 972	3 336 277	3 384 879	3 317 979	3 212 803	

Palladium

Country	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg	Rem
Australia	610	610	430	390	420	1e
Canada	21 200	19 140	20 880	23 340	21 430	1e
China	1 300	1 400	1 300	1 300	1 300	2n

Finland	901	1 021	1 157	699	858	1a
Poland	30	7	5	5	4	2n
Russia	86 500	76 270	92 570	92 900	81 990	1n
Serbia	23	50	55	100	100	1n
South Africa	76 273	80 713	80 629	80 684	66 264	1e
United States	13 070	13 600	14 267	14 323	14 555	1n
Uzbekistan			0	28	91	1e
Zimbabwe	12 222	11 822	12 094	11 640	12 890	1e
Total	212 129	204 633	223 387	225 409	199 902	

Platinum

Country	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg	Rem
Australia	152	155	110	95	100	1e
Canada	9 700	6 850	7 460	8 340	8 360	1e
China	3 000	2 500	2 500	2 500	2 500	2n
Colombia	917	567	270	178	414	1e
Finland	1 178	1 418	1 576	953	1 277	1a
Poland	50	11	8	8	6	2n
Russia	22 300	22 400	21 370	22 420	21 740	1n
Serbia	3	3	6	10	22	1n
South Africa	133 241	132 500	137 053	132 989	111 993	1e
United States	3 891	3 980	4 165	4 152	4 203	1n
Zimbabwe	15 110	14 257	14 703	13 857	15 004	1e
Total	189 542	184 641	189 221	185 502	165 619	

Rhodium

Country	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg	Rem
Canada	650	600	750	830	730	1e
Russia	2 644	2 426	2 146	2 115	1 800	1n
South Africa	19 237	18 665	18 608	19 545	16 972	1e
United States	103	100	100	100	100	2n
Zimbabwe	1 322	1 283	1 334	1 224	1 368	1e
Total	23 956	23 074	22 938	23 814	20 970	

Silver

Country	2016 kg	2017 kg	2018 kg	2019 kg	2020 kg	Rem
Algeria	20	25	30	30	20	2n
Argentina	1 055 700	997 961	1 023 768	1 070 670	767 087	1e
Armenia	14 100	17 200	16 700	17 922	19 493	1n
Australia	1 418 219	1 120 175	1 254 480	1 325 089	1 337 344	1e
Azerbaijan	5 136	6 949	8 943	8 160	7 590	1n

Bolivia	1 356 620	1 222 371	1 191 024	1 153 109	929 909	1e
Brazil	48 793	46 400	49 600	50 000	50 000	2n
Bulgaria	59 606	59 484	47 016	40 755	39 126	1n
Burkina Faso	5 670	5 470	6 160	5 670	10 012	1a
Canada	398 509	392 788	403 589	357 422	289 871	1e
Chile	1 501 436	1 318 582	1 370 237	1 309 321	1 575 794	1e
China	3 754 200	3 601 800	3 421 400	3 443 200	3 377 800	1n
Colombia	11 866	12 076	16 691	14 479	19 948	1e
Congo, D.R.	835	3 376	3 400	3 400	3 400	2n
Cote d'Ivoire	549	493	510	300	0	2n
Cyprus	0	99	180	97	486	1a
Dominican Republic	121 749	151 828	166 510	108 685	87 889	1e
Ecuador	934	68	192	2 892	1 792	1e
Eritrea	13 219	1 192	31 000	44 836	65 284	1n
Ethiopia	880	750	1 000	800	1 000	2n
Fiji	354	350	413	692	518	1e
Finland	16 348	13 654	12 849	40 461	54 833	1a
Georgia	20 000	21 000	20 042	4 100	5 467	1e
Germany	4 000	6 000	5 000	4 000	4 000	2e
Ghana	3 100	4 000	4 000	4 000	3 000	2n
Greece	29 342	34 220	39 150	37 790	50 301	1n
Guatemala	837 793	336 944	0	0	0	1e
Honduras	17 803	21 785	31 182	45 174	40 400	2n
India	460 811	557 691	679 386	609 340	705 795	1e
Indonesia	228 640	328 780	308 810	487 400	338 100	1a
Iran	50 000	50 000	50 000	50 000	50 000	2q
Ireland	1 076	1 344	1 160	1 578	918	1e
Japan	5 076	3 408	3 596	3 467	4 192	1e
Kazakhstan	1 182 476	1 041 838	969 347	1 022 068	1 035 181	1e
Korea, North	50 000	70 000	70 000	50 000	50 000	2q
Korea, South	6 579	8 863	7 090	5 243	7 185	1e
Kyrgyzstan	20 397	19 212	18 328	19 010	16 127	1n
Laos	50 904	42 841	37 465	34 443	25 640	1n
Malaysia	1 075	1 404	1 542	686	400	2n
Mali	2 600	2 900	2 844	3 000	3 000	2n
Mexico	5 474 968	5 815 034	7 243 341	7 485 602	7 424 554	1e
Mongolia	84 920	67 190	69 120	79 864	77 762	3e
Morocco	268 523	277 130	200 530	216 580	189 220	1n
Namibia	4 702	6 490	3 850	7 765	7 520	1n
New Zealand	7 960	8 022	6 332	4 060	1 393	1e
Nicaragua	21 382	15 419	11 263	17 362	20 186	1e
Niger	100	100	300	100	120	1n
North Macedonia	13 970	16 020	15 060	15 620	16 090	1n
Panama			0	35 217	49 628	1n
Papua New Guinea	95 879	69 650	113 890	162 630	130 635	1n
Peru	4 375 337	4 417 987	4 160 162	3 860 306	2 723 879	1a
Philippines	35 186	31 737	29 782	31 267	24 024	1e
Poland	1 264 659	1 289 900	1 264 300	1 249 000	1 218 000	1n
Portugal	38 631	40 186	90 760	95 270	95 954	1n
Romania	18 000	18 000	18 000	18 000	18 000	2q
Russia	1 493 000	1 373 000	1 400 100	1 407 000	1 380 000	1e
Saudi Arabia	4 710	5 133	6 480	7 123	7 479	1e
Senegal	640	660	940	898	1 090	1e
Serbia	11 345	12 340	8 970	14 502	15 900	1e
Slovakia	391	410	345	295	269	1e
South Africa	55 622	62 536	46 467	55 903	38 148	1e
Spain	74 740	82 907	88 514	77 501	78 300	1n
Sudan	1 000	2 000	1 000	1 000	1 000	2n
Sweden	498 686	467 500	443 624	419 926	400 929	1e
Tajikistan	3 200	6 550	9 500	11 100	11 350	1e
Tanzania	17 984	10 911	12 041	12 550	13 187	1e
Thailand	35 954	0	0	0	0	1e

Turkey	174 180	151 490	202 400	242 000	98 270	1e
United Kingdom	14	0	0	130	100	3e
United States	1 153 000	1 030 000	934 000	981 000	1 030 000	1e
Uzbekistan	231 000	232 300	161 700	172 000	196 000	1n
Total	28 216 098	27 035 923	27 817 405	28 060 860	26 247 889	

6.4.4 Industrial Minerals

Asbestos

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	0	26	0	0	0	1e
Brazil	177 800	129 094	111 439	12 205	77 057	1e
China	203 000	125 000	170 000	125 000	120 000	1e
Kazakhstan	192 600	192 700	202 900	210 700	227 400	1e
Russia	713 675	710 250	752 917	789 600	750 000	2n
Total	1 287 075	1 157 070	1 237 256	1 137 505	1 174 457	

Baryte

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	39 980	29 159	39 426	31 138	32 940	1e
Argentina	12 389	15 553	7 225	3 898	0	1e
Australia	7 139	8 958	6 535	1 982	0	1e
Bolivia	16 632	29 114	53 163	39 458	9 611	1e
Brazil	12 133	16 275	9 377	9 223	1 849	1e
Bulgaria	50 000	64 000	70 000	72 000	41 000	1e
Canada	20 000	50 000	50 000	40 000	40 000	2n
China	2 771 100	3 100 000	2 900 000	2 900 000	2 500 000	2n
Colombia	3 068	2 028	3 211	2 270	2 046	1e
Ecuador		0	2 868	2 000	2 000	2n
Egypt	4 000	4 000	4 000	4 000	4 000	2n
Germany	49 373	34 177	37 897	30 474	26 656	1e
Guatemala	500	43	63	50	50	2n
India	1 262 476	2 050 215	2 488 756	2 738 934	2 740 000	2n
Iran	1 449 038	514 711	477 227	247 207	285 756	1a
Kazakhstan	612 300	569 900	773 200	530 600	445 300	1e
Korea, North	9 000	4 200	4 200	4 000	4 000	2n
Laos	33 240	33 325	35 000	48 600	96 278	1e
Mexico	173 781	359 912	366 234	415 180	480 954	1e
Morocco	668 500	818 016	899 365	1 119 811	501 939	1e
Myanmar	2 627	3 206	9 658	12 439	2 600	1e
Nigeria	537	717	387	370	544	1e
Pakistan	157 858	91 711	88 847	116 480	55 341	1e
Peru	7 953	9 182	15 621	16 373	5 242	1a
Russia	434 000	221 000	265 300	163 000	265 000	1e
Slovakia	23 000	15 700	11 100	0	0	1e

Thailand	223 101	147 954	67 490	33 644	22 394	1e
Tunisia	10 000	10 000	10 000	10 000	10 000	2n
Turkey	321 239	292 447	465 138	413 811	283 161	1e
United Kingdom	56 000	55 000	55 000	50 000	50 000	2n
United States	232 000	334 000	366 000	414 000	125 409	1e
Vietnam	80 000	70 000	50 000	43 000	51 500	2n
Total	8 742 964	8 954 503	9 632 288	9 513 942	8 085 570	

Bentonite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	37 100	35 600	36 000	36 700	34 200	1e
Argentina	145 723	156 750	184 969	120 000	98 000	3e
Armenia	13 956	24 712	0	0	0	1e
Australia	59 000	68 000	87 330	56 000	65 000	2e
Azerbaijan	54 545	235 617	212 300	222 500	155 100	1e
Bolivia	525	68	2	0	0	1e
Bosnia-Herzegovina	102 858	92 344	87 358	94 601	69 183	1e
Brazil	448 004	616 929	500 000	403 763	217 055	1e
Bulgaria	37 100	54 100	45 000	45 000	40 900	1a
Chile	1 288	1 584	525	395	170	1e
China	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000	2n
Colombia	120 372	103 217	166 778	145 643	179 893	1e
Cuba	389	589	630	504	486	1e
Cyprus	117 184	95 593	98 800	83 113	92 645	1a
Czech Republic	374 000	254 000	277 000	357 000	226 000	1a
Denmark	66 278	69 594	56 173	48 197	40 054	1e
Egypt	3 600	4 600	10 000	7 000	7 000	2n
France	42 567	24 497	35 696	82 720	50 000	2n
Germany	393 000	416 000	379 000	366 000	333 000	1e
Greece	883 220	1 087 800	1 365 374	1 393 958	1 170 000	1e
Guatemala	18 081	20 542	16 953	12 700	10 000	2n
Hungary	16 000	24 630	25 000	41 500	42 000	2n
India	2 978 858	3 488 264	3 661 450	3 605 000	3 600 000	2n
Iran	356 036	517 524	423 604	761 079	714 684	1a
Italy	45 978	86 106	100 067	82 720	65 989	1e
Japan	250 000	250 000	250 000	250 000	250 000	2n
Kazakhstan	119 100	120 000	120 000	52 000	59 200	1n
Korea, South	63 834	47 306	31 824	43 886	5 314	1e
Mexico	109 176	148 475	264 800	24 321	79 219	1e
Morocco	103 230	174 546	172 749	188 081	92 387	1e
Mozambique	322	285	1 091	77 734	80 189	1e
Myanmar	600	600	540	0	500	2n
New Zealand	700	700	4 482	500	500	2n
North Macedonia	1 968	912	2 945	682	2 196	1e
Norway		0	3 234	0	0	1e
Pakistan	42 038	42 770	74 268	49 380	50 000	2n
Peru	19 410	756	2 383	46 887	25 532	1a
Philippines	3 230	2 620	10 800	13 050	4 720	1e
Poland	1 000	0	560	500	920	1a
Romania	24 996	28 005	34 809	41 964	45 495	1e
Russia	589 600	669 700	714 000	720 000	720 000	2e
Slovakia	173 530	226 425	269 990	260 120	261 640	1e
Slovenia	182	147	113	99	77	1e
South Africa	148 742	165 141	173 486	105 084	85 688	1e
Spain	155 038	177 565	178 463	160 477	221 495	1e

Turkey	1 744 912	1 481 617	1 331 955	1 533 547	1 658 837	1e
Turkmenistan	10 000	10 000	10 000	10 000	10 000	2n
Ukraine	200 000	113 200	178 200	124 700	125 000	2n
United States	4 000 000	4 450 000	4 570 000	4 520 000	4 240 000	1e
Uruguay	6 650	6 640	7 760	6 730	16 550	1e
Total	19 683 920	21 196 070	21 778 461	21 795 835	20 846 818	

Boron Minerals

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	148 390	129 918	71 212	181 818	134 604	1e
Bolivia	182 685	208 388	216 403	214 269	258 019	1e
Chile	558 854	607 076	398 411	352 255	288 103	1e
China	80 000	70 000	80 000	250 000	250 000	1e
Iran	36	850	851	2 026	1 495	1a
Kazakhstan	30 000	30 000	30 000	30 000	30 000	2n
Peru	33 792	0	100 552	111 108	43 645	1a
Russia	78 800	82 500	88 000	81 800	85 500	1n
Turkey	1 831 000	2 025 000	2 432 000	2 040 000	1 680 000	1n
United States	1 134 000	1 075 000	1 075 000	1 030 000	830 000	1n
Total	4 077 557	4 228 732	4 492 429	4 293 276	3 601 366	

Diamonds (Gem)

Country	2016 ct	2017 ct	2018 ct	2019 ct	2020 ct	Rem
Angola	8 119 320	8 494 920	8 490 500	8 234 770	6 960 850	1c
Australia	279 160	342 690	280 160	243 090	199 600	1e
Botswana	14 623 700	16 058 700	17 064 600	16 580 900	11 807 600	1e
Brazil	60 560	84 115	82 810	53 240	43 200	1e
Canada	13 315 319	23 198 761	22 789 001	17 560 210	15 035 711	1e
Central African Republic	9 973	47 840	10 020	18 880	40 320	1e
China	127	230	99	51	21	1c
Congo, D.R.	3 111 890	2 268 332	1 815 745	2 020 450	2 588 850	1e
Cote d'Ivoire	16 188	8 925	4 540	3 989	4 012	1e
Ghana	114 400	69 540	46 025	27 030	20 230	1e
Guinea	84 597	136 090	219 530	171 880	96 430	1c
Guyana	104 920	39 120	46 580	41 240	14 430	1e
India	13 970	12 940	13 877	10 301	5 010	1e
Lesotho	342 014	1 126 409	1 294 283	1 113 526	481 243	1n
Liberia	36 220	36 380	45 330	33 560	32 760	1e
Namibia	1 494 350	1 713 800	1 985 670	1 722 830	1 428 445	1e
Russia	24 431 760	21 860 500	22 973 133	25 804 591	18 711 931	1e
Sierra Leone	417 952	165 860	402 530	433 054	483 232	1a
South Africa	3 322 220	3 877 040	3 964 730	2 872 280	3 399 300	1e
Tanzania	203 915	258 785	324 105	354 240	125 110	1e
Venezuela		0	800	0	794	1c
Zimbabwe	639 920	752 360	975 730	423 840	534 090	1e
Total	70 742 475	80 553 337	82 829 798	77 723 952	62 013 169	

Diamonds (Ind)

Country	2016 ct	2017 ct	2018 ct	2019 ct	2020 ct	Rem
Angola	902 147	943 880	943 390	914 975	773 430	1c
Australia	13 678 840	16 792 040	13 727 890	11 911 450	9 780 400	1e
Botswana	6 267 300	6 882 300	7 313 400	7 106 100	5 060 400	1e
Brazil	122 955	170 780	168 130	108 085	87 700	1e
Cameroon	994	1 757	1 805	1 737	2 438	1e
Central African Republic	2 493	11 960	2 505	4 720	10 080	1e
Congo, D.R.	12 447 557	16 634 432	13 315 465	11 449 240	10 355 400	1e
Congo, Rep.	12 110	46 758	46 768	2 963	11 157	1c
Cote d'Ivoire	4 047	2 231	1 140	0	0	1e
Ghana	28 605	17 385	11 505	6 760	5 060	1e
Guinea	28 200	45 360	73 180	57 300	32 145	1c
Guyana	34 970	13 040	15 530	13 750	4 810	1e
India	22 520	26 760	24 560	18 515	8 910	1e
Liberia	24 150	24 250	30 220	22 370	21 840	1e
Namibia	78 650	90 200	104 510	90 675	75 180	1e
Russia	16 287 840	20 754 280	20 187 926	19 466 621	12 474 620	1e
Sierra Leone	131 550	122 380	339 070	391 403	202 800	1a
South Africa	4 983 330	5 815 560	5 947 100	4 308 420	5 098 950	1e
Tanzania	35 985	45 670	57 195	62 510	22 080	1e
Togo	0	0	0	16	0	1a
Venezuela		0	1 200	0	0	1c
Zimbabwe	1 493 140	1 755 500	2 276 690	1 695 350	2 136 370	1e
Total	56 587 383	70 196 523	64 589 179	57 632 960	46 163 770	

Diatomite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	2 535	2 439	2 468	2 437	3 040	1e
Argentina	57 113	70 419	72 490	94 610	98 575	1e
Armenia	25 486	23 465	0	0	0	1e
Australia	1 033	1 085	4	8	2 011	1e
Brazil	16 408	30 192	20 562	17 673	35 574	1e
Chile	26 937	27 557	24 736	21 328	21 477	1e
China	400 000	400 000	280 000	420 000	420 000	2n
Costa Rica	20 500	4 218	3 972	4 000	4 000	2n
Czech Republic	26 000	34 000	31 000	43 000	46 000	1a
Denmark	114 400	110 000	99 400	108 800	115 000	1e
Ethiopia	4 000	4 000	5 000	5 000	5 000	2n
France	90 000	90 000	90 000	90 000	90 000	2n
Germany	54 764	56 721	58 340	53 802	51 511	1e
Iran	37	0	0	600	170	1a
Kenya	1 238	1 406	1 548	921	928	1e
Korea, South	20 564	133 741	25 902	40 910	65 240	1e
Mexico	109 970	96 474	152 028	129 274	144 105	1e
Mozambique	1 305	0	34 200	72 439	35 257	1e
Peru	107 265	96 590	96 532	91 103	85 406	1a
Poland	500	500	580	680	810	1a

Russia	47 300	52 000	50 600	51 000	51 000	1b
Spain	48 231	70 550	61 056	62 741	63 000	2n
Turkey	61 722	169 584	242 789	220 757	100 327	1e
United States	686 000	768 000	957 000	768 000	822 000	1e
Total	1 923 308	2 242 941	2 310 207	2 299 083	2 260 431	

Feldspar

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	168 000	170 000	170 000	170 000	170 000	2n
Argentina	155 217	154 770	124 500	10 000	32 000	1e
Australia	31 768	329	542	50	1 241	1e
Austria	35 000	35 000	35 000	35 000	35 000	1e
Brazil	295 778	519 605	592 284	634 489	450 573	1e
Chile	6 352	4 421	2 789	55	329	1e
China	2 400 000	2 500 000	2 500 000	2 450 000	2 450 000	2n
Colombia	151 759	150 334	141 794	179 856	134 846	1e
Cuba	5 790	8 715	3 000	2 100	14 100	1e
Czech Republic	454 000	368 000	449 000	460 000	419 000	1a
Dominican Republic	5 200	5 000	1 200	1 000	0	1e
Ecuador	148 506	92 871	43 197	45 000	0	2n
Egypt	230 000	230 000	230 000	230 000	200 000	2n
Finland	18 549	14 926	17 469	17 997	16 137	1a
France	550 000	550 000	550 000	500 000	500 000	2n
Germany	284 569	276 747	252 693	235 289	213 899	1e
Guatemala	30 428	29 145	30 257	28 771	27 000	2n
India	6 434 788	4 270 245	8 486 262	6 173 287	6 200 000	2n
Indonesia	1 353 300	2 601 000	749 300	480 800	287 400	1e
Iran	1 120 449	1 128 585	1 320 452	2 415 368	1 910 505	1a
Italy	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2n
Korea, South	654 398	717 177	617 166	396 898	415 426	1e
Malaysia	441 856	411 204	414 441	241 189	240 000	2n
Mexico	318 169	500 692	907 755	516 196	903 385	1e
Morocco	33 600	101 064	75 298	101 947	185 772	1e
Nigeria	34 144	27 660	41 355	33 702	19 453	1e
North Macedonia	19 919	21 237	30 813	29 519	13 115	1e
Norway	70 000	87 900	88 000	80 000	69 000	1e
Pakistan	316 289	273 468	151 743	346 236	350 000	2n
Peru	16 630	14 930	31 588	29 134	24 132	1a
Philippines	46 630	47 000	47 000	47 000	47 000	2n
Poland	88 140	91 200	71 480	42 160	29 440	1a
Portugal	132 105	126 211	130 475	106 754	122 969	1a
Romania	4 501	5 000	20 000	20 000	20 000	2n
Russia	278 100	293 300	281 300	281 300	290 000	2n
Saudi Arabia	188 000	197 000	175 594	216 000	216 000	2n
Slovakia	8 400	15 800	16 800	19 100	29 100	1e
South Africa	127 872	116 705	76 803	76 255	48 427	1e
Spain	634 519	819 218	616 229	855 139	855 000	2n
Sri Lanka	96 000	96 000	70 000	65 400	50 000	2n
Sudan	49 000	29 000	36 000	17 000	25 000	3e
Sweden	22 000	22 000	28 000	25 000	20 000	2n
Thailand	1 167 147	1 385 925	1 117 803	1 251 143	1 105 344	1e
Turkey	9 475 819	10 273 573	11 474 040	9 447 810	10 050 911	1e

Ukraine	33 627	35 000	50 000	60 000	50 000	2n
United States	470 000	440 000	550 000	450 000	430 000	1e
Uruguay	460	370	380	100	210	1e
Venezuela	58 000	30 340	30 000	30 000	30 000	2n
Total	30 864 778	31 488 667	35 049 802	31 054 044	30 901 714	

Fluorspar

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Afghanistan	7 624	7 522	10 000	50 000	10 000	2n
Argentina	14 222	13 696	7 924	1 500	48 000	1e
Brazil	18 260	25 522	28 195	24 399	24 730	1e
Bulgaria	4 400	0	0	0	0	1a
Canada		0	20 000	80 000	50 000	2n
China	3 800 000	3 800 000	3 500 000	4 000 000	4 300 000	1e
Colombia	75	57	46	0	0	1e
Egypt	1 000	1 000	1 000	1 000	1 000	2n
Germany	52 552	45 375	49 197	79 959	64 933	1e
India	1 175	1 314	1 079	1 315	1 052	1e
Iran	70 820	55 297	55 000	54 824	55 000	2n
Kenya	42 656	6 945	0	0	0	1e
Korea, North	4 525	6 900	6 900	6 900	6 900	2n
Mexico	659 776	741 678	1 959 654	1 931 532	1 571 269	1e
Mongolia	248 900	319 330	555 230	699 400	678 900	1e
Morocco	73 920	75 509	87 874	73 244	83 833	1e
Nigeria				4 730	17 557	1e
Pakistan	9 494	2 263	2 777	4 208	4 200	2n
Russia	3 000	2 700	6 000	4 000	32 000	1e
South Africa	177 000	218 399	230 000	210 000	210 000	2n
Spain	130 131	154 931	176 188	145 185	145 000	2n
Tajikistan		0	400	1 000	10 000	1e
Thailand	20 100	5 500	16 700	22 247	9 807	1e
Turkey	10 339	20 150	6 200	14 400	19 896	1e
United Kingdom	12 000	11 000	11 000	12 000	12 000	2n
Vietnam	218 878	234 905	238 700	238 003	219 920	1n
Total	5 580 847	5 749 993	6 970 064	7 659 846	7 575 997	

Graphite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Austria	150	150	150	100	100	2n
Brazil	61 687	95 000	78 981	81 770	67 020	1e
Canada	21 000	14 000	11 000	11 045	11 937	1e
China	780 000	625 000	630 000	700 000	665 000	1e
Colombia			0	135	0	1e
Germany	502	422	222	207	108	1e
India	122 437	33 649	39 030	34 674	30 168	1e
Korea, North	47 000	50 000	45 000	45 000	45 000	2n
Korea, South	0	0	670	302	3 052	1e
Madagascar	9 230	13 300	47 900	53 400	48 055	1e

Mexico	14 200	10 310	4 130	2 342	2 033	1e
Mozambique	0	802	104 000	153 000	18 159	1e
Namibia	0	2 216	3 456	0	0	1e
Norway	9 600	9 600	10 000	9 780	5 549	1n
Russia	12 400	19 500	11 900	17 500	12 900	1e
Sri Lanka	3 860	3 800	3 800	3 100	2 500	2n
Turkey	0	4 000	16 752	9 990	15 205	1e
Ukraine	12 000	13 000	15 000	10 000	10 000	2n
Vietnam		0	1 500	3 500	3 700	1n
Zimbabwe	5 622	1 577	0	0	0	1e
Total	1 099 688	896 326	1 023 491	1 135 845	940 486	

Gypsum and Anhydrite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Afghanistan	57 000	40 000	36 161	24 371	15 049	1e
Albania	131 924	104 120	102 016	98 000	111 880	1e
Algeria	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2n
Angola	0	32 000	32 000	32 000	32 000	2n
Argentina	1 558 390	1 275 608	897 217	761 013	499 092	1e
Armenia	14 831	14 336	20 387	22 907	28 508	1e
Australia	3 664 700	3 184 480	4 070 814	3 676 467	3 422 265	1e
Austria	674 346	712 469	836 862	900 217	900 619	1e
Azerbaijan	155 800	85 100	270 471	314 224	297 594	1e
Bhutan	317 597	328 128	461 128	490 596	331 050	1e
Bolivia	1 182	473	1 136	3 905	14 996	1e
Bosnia-Herzegovina	61 231	99 001	122 421	130 788	140 994	1e
Brazil	2 674 154	2 176 356	2 666 002	2 842 654	2 850 063	1e
Bulgaria	60 900	88 000	88 000	88 000	54 800	1a
Canada	1 678 573	3 001 390	3 240 451	2 444 963	2 915 270	1e
Chile	934 033	1 157 466	909 191	977 397	910 310	1e
China	25 400 000	25 000 000	25 000 000	25 000 000	25 000 000	2n
Colombia	471 306	406 624	396 338	294 137	284 222	1e
Croatia	150 430	147 934	211 894	199 255	221 629	1e
Cuba	73 900	85 400	99 900	66 330	62 300	1e
Cyprus	682 024	647 108	625 721	623 545	646 340	1a
Czech Republic	10 000	7 000	8 000	10 000	17 000	1a
Dominican Republic	284 170	217 570	190 660	316 630	304 920	1e
Egypt	686 610	835 614	800 000	800 000	800 000	2n
Eritrea	13 000	12 000	18 000	18 000	18 000	2n
Ethiopia	80 556	85 236	253 165	255 000	255 000	2n
France	4 182 614	3 014 296	5 314 983	3 259 935	1 894 245	1e
Georgia	46 670	85 470	91 700	61 700	62 000	1e
Germany	3 970 000	4 450 000	4 550 000	4 850 000	5 200 000	1e
Greece	777 990	547 140	827 298	589 012	780 000	2e
Guatemala	130 617	135 154	132 897	140 901	141 000	2n
Honduras	42 000	35 000	35 000	34 964	45 254	1e
India	1 816 981	2 048 127	4 664 046	3 006 046	3 000 000	2n
Iran	15 715 011	13 942 092	10 904 289	14 750 093	15 124 823	1a
Iraq	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	2n
Ireland	250 000	200 000	200 000	200 000	150 000	1e
Israel	147 000	116 000	75 800	70 000	70 000	2n
Italy	617 188	469 044	188 618	298 242	163 749	1e
Jamaica	50 000	46 000	47 000	55 000	66 000	1e
Jordan	81 000	344 191	190 606	200 000	185 000	1a
Kazakhstan	137 400	133 200	121 400	78 200	94 500	1e

Kenya	5 760	5 700	5 700	5 700	5 700	2n
Kyrgyzstan	98 000	100 000	152 842	150 000	150 000	2n
Laos	469 436	463 039	618 783	606 387	737 749	1e
Latvia	224 000	278 260	320 080	318 450	359 190	1e
Libya	150 000	150 000	150 000	200 000	200 000	2n
Mauritania	60 000	80 000	130 000	130 000	120 000	2n
Mexico	7 697 838	9 197 520	11 275 293	7 759 139	7 977 953	1e
Moldova	204 400	358 500	352 500	276 400	292 600	1e
Myanmar	245 789	361 015	309 343	299 316	240 420	1e
Nicaragua	41 750	66 740	70 341	39 925	64 573	1e
Nigeria	28 000	39 939	39 052	22 142	30 706	1e
North Macedonia	202 582	217 491	230 029	267 181	229 322	1e
Norway	82 386	87 891	89 655	102 100	93 602	1e
Oman	7 933 617	8 438 286	9 666 701	10 982 900	10 213 900	1e
Pakistan	1 871 716	2 079 629	2 475 893	2 517 825	2 149 873	1e
Paraguay	4 500	4 500	4 500	4 500	4 500	2n
Peru	257 423	286 657	458 479	254 382	171 093	1a
Poland	1 043 000	1 108 000	1 042 000	1 065 000	1 057 000	1a
Portugal	255 026	152 059	232 921	209 076	210 231	1a
Romania	714 273	764 786	749 668	878 546	925 782	1e
Russia	4 200 000	3 750 000	5 453 400	4 179 300	4 200 000	2n
Saudi Arabia	3 000 000	3 150 000	3 352 832	3 472 000	3 500 000	2n
Slovakia	52 300	45 600	55 190	58 250	72 300	1e
South Africa	262 457	320 685	321 988	277 102	205 542	1e
Spain	8 936 364	9 545 228	10 593 056	11 279 443	13 544 458	1e
Sudan	349 236	333 000	226 000	193 000	173 000	3e
Switzerland	340 000	330 000	330 000	330 000	330 000	2n
Syria	101 000	66 000	66 000	70 000	70 000	2n
Tajikistan	8 750	43 066	9 639	14 000	14 000	2n
Tanzania	213 744	123 645	241 260	256 529	443 926	1e
Thailand	11 746 811	10 646 644	11 197 657	9 787 287	9 291 159	1e
Tunisia	902 394	944 245	984 031	946 892	890 000	1e
Turkey	10 124 221	10 223 112	10 896 476	7 489 129	9 280 864	1e
Ukraine	1 303 000	1 528 900	1 386 400	1 409 400	1 529 000	1e
United Kingdom	1 600 000	1 300 000	1 400 000	1 600 000	1 600 000	2n
United States	19 800 000	20 700 000	21 100 000	21 700 000	21 200 000	1e
Yemen	100 000	50 000	50 000	20 000	20 000	2n
Total	155 630 901	155 849 264	167 939 281	160 355 793	161 908 915	

Kaolin

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	96 000	100 000	100 000	100 000	100 000	2n
Argentina	26 198	19 940	17 000	11 853	20 628	1e
Australia	222 229	192 150	173 738	114 050	154 812	1e
Austria	13 558	13 500	13 500	13 500	13 500	2n
Bosnia-Herzegovina	271 502	252 959	303 626	118 005	108 174	1e
Brazil	1 737 000	1 681 188	1 685 255	1 476 802	1 239 591	1e
Bulgaria	338 600	322 800	323 000	330 000	276 000	1a
Chile	60 000	60 000	88 262	34 801	38 789	1e
China	7 240 000	6 910 000	6 650 000	6 400 000	6 500 000	1e
Colombia	109 252	164 077	70 799	96 051	29 372	1e
Cuba	2 500	1 500	2 700	2 100	2 000	1e
Czech Republic	3 540 000	3 669 000	3 622 000	3 446 000	3 069 000	1a
Ecuador	4 110	548	0	0	0	2n
Egypt	230 000	230 000	230 000	230 000	230 000	2n

Eritrea	200	200	200	0	0	2n
Ethiopia	4 600	5 000	10 000	1 000	1 000	2n
France	263 993	279 120	301 842	392 389	243 213	1e
Germany	4 740 000	5 168 000	4 930 000	4 760 000	4 969 000	1e
Guatemala	793	657	724	700	1 000	2n
India	5 903 182	8 744 864	8 201 946	8 000 000	8 000 000	2n
Indonesia	728 000	736 600	1 368 400	2 754 600	1 636 000	1e
Iran	868 179	861 938	1 158 983	1 813 395	1 923 895	1a
Italy	180 000	200 000	300 000	250 000	200 000	2n
Japan	12 000	12 000	12 000	12 000	12 000	2n
Jordan	11 935	11 000	11 000	11 000	11 000	2n
Kenya	1 000	1 000	1 000	1 000	800	1n
Korea, South	366 511	416 648	369 274	317 626	393 236	1e
Kyrgyzstan	0	40 000	15 000	15 000	15 000	2n
Malaysia	392 933	444 559	496 219	400 722	301 503	1e
Mexico	452 070	325 864	898 246	246 645	1 003 889	1e
New Zealand	61 650	50 424	51 369	50 569	50 000	2n
Nigeria	24 104	46 935	11 707	8 649	7 033	1e
Oman	188 300	218 600	110 300	34 100	43 300	1e
Pakistan	20 726	28 710	19 483	20 756	14 000	1e
Paraguay	6 000	6 000	6 000	6 000	6 000	2n
Peru	19 098	17 700	16 004	9 208	12 536	1a
Philippines	10 059	10 000	10 000	10 000	10 000	2n
Poland	299 830	284 650	310 850	317 190	292 940	1a
Portugal	283 571	307 982	374 029	311 677	320 655	1a
Romania	31 000	31 000	7 220	6 089	0	1e
Russia	1 064 800	1 593 000	1 485 900	1 530 800	1 530 000	2n
Saudi Arabia	196 000	206 000	207 461	227 000	215 000	1e
Serbia	110 000	280 276	279 000	254 000	255 000	2n
Slovakia	11 923	21 400	34 400	24 970	30 960	1e
South Africa	21 141	31 186	23 724	27 827	20 639	1e
Spain	347 258	475 074	474 462	463 617	278 843	1e
Sri Lanka	13 000	13 000	20 000	34 100	30 000	2n
Sudan	6 500	5 446	11 000	29 000	19 700	3e
Taiwan	4 035	1 665	20	500	404	1e
Tanzania	656	13 816	129 383	15 343	98 454	1e
Thailand	101 618	103 079	110 437	92 414	87 250	1e
Turkey	1 283 260	1 362 799	1 515 609	1 283 776	1 224 746	1e
Uganda	45 909	55 317	17 281	10 448	323	1e
Ukraine	2 335 004	2 379 636	2 091 525	1 843 561	1 680 891	1e
United Kingdom	940 000	970 000	996 000	715 000	720 000	2n
United States	5 290 000	5 450 000	5 350 000	5 060 000	4 570 000	1e
Uzbekistan	323 680	269 906	291 814	377 184	373 440	1e
Vietnam	100 000	100 000	100 000	100 000	100 000	2n
Total	40 955 467	45 198 713	45 409 692	44 213 017	42 485 516	

Magnesite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	469 455	210 844	263 446	413 182	799 203	1e
Austria	645 593	730 482	808 239	691 909	816 370	1e
Bosnia-Herzegovina	7 300	8 500	5 950	1 400	652	1e
Brazil	1 652 424	2 303 971	1 900 000	1 530 000	1 550 000	2n
Canada	150 000	150 000	150 000	150 000	150 000	2n
China	16 840 000	18 500 000	19 000 000	19 000 000	19 000 000	2n
Colombia	1 175	1 913	1 039	1 847	1 077	1e

Cuba	2 325	0	0	1 532	3 910	1e
Finland	54 227	63 850	49 601	37 002	136 167	1a
Greece	397 940	442 680	425 882	358 841	360 000	2n
Guatemala	23 954	16 298	4 745	4 500	5 000	2n
India	299 149	195 055	146 875	102 554	78 144	1e
Iran	145 223	166 636	137 445	147 760	256 124	1a
Korea, North	160 935	172 488	100 000	100 000	100 000	2n
Mexico	101 000	101 000	101 000	800	0	1e
Pakistan	35 228	19 656	23 596	42 996	16 165	1e
Philippines	10 310	200	140	40	0	1e
Poland	77 920	101 920	102 110	91 490	65 250	1a
Russia	1 188 900	1 397 000	1 571 400	1 013 800	1 281 400	1e
Saudi Arabia	100 000	104 132	155 000	200 000	250 000	2n
Slovakia	683 400	975 100	1 053 900	1 015 800	787 476	1e
South Africa	8 800	8 700	8 500	8 500	8 500	2n
Spain	583 698	788 991	738 994	634 580	635 000	2n
Turkey	3 258 445	1 694 071	1 958 847	1 496 081	1 560 818	1e
United States	99 800	294 850	238 828	294 590	419 076	1e
Total	26 997 201	28 448 337	28 945 537	27 339 204	28 280 332	

Perlite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	17 905	19 924	18 794	1 850	2 000	2n
Armenia	44 820	14 036	51 222	80 676	104 410	1e
Australia	620	275	2 285	1 264	2 185	1e
Chile	5 500	4 210	5 020	4 700	0	1e
Georgia	21 800	16 500	15 700	13 000	12 500	1e
Greece	921 410	932 950	790 412	718 077	718 000	2e
Hungary	42 070	40 130	44 970	43 900	44 000	2n
Iran	17 083	23 837	71 579	31 828	52 750	1a
Mexico	28 431	15 899	26 400	24 497	0	1e
Philippines	38 745	15 038	7 329	6 608	0	1e
Russia	45 000	45 000	45 000	45 000	45 000	2n
Slovakia	19 000	48 010	35 600	32 450	37 850	1e
South Africa	1 000	1 000	1 000	1 000	1 000	2n
Thailand	15 690	5 800	5 600	15 000	3 500	1e
Turkey	1 066 251	606 231	1 088 983	1 174 486	1 146 341	1e
United States	521 000	587 000	504 000	629 000	845 000	1e
Total	2 806 325	2 375 840	2 713 894	2 823 336	3 014 536	

Phosphate Rock (P₂O₅-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	433 200	378 100	409 400	455 100	409 900	1e
Australia	238 494	216 670	195 720	165 750	215 700	1e
Brazil	2 046 000	2 083 000	1 980 300	1 828 500	1 698 100	1e
Chile	1 740	1 190	1 160	950	590	1e
China	43 319 400	36 939 600	28 897 800	27 997 200	26 679 960	1e
Christmas Island	148 120	147 890	111 780	89 010	120 750	1n

Colombia	21 030	15 870	13 240	20 480	10 670	1e
Cuba	0	0	0	0	460	1e
Egypt	741 240	1 021 960	1 000 000	870 000	870 000	2n
Finland	338 230	352 300	356 070	363 020	363 200	1a
India	288 830	360 220	342 890	332 940	346 450	3e
Iran	77 912	88 715	105 840	102 230	105 000	2n
Iraq	40 000	40 000	377 120	300 000	300 000	2n
Israel	1 223 600	1 032 900	1 100 500	898 200	988 800	1n
Jordan	2 557 170	2 780 030	2 567 170	2 951 470	2 860 140	1a
Kazakhstan	348 600	368 400	381 200	388 540	456 010	1e
Malawi	430	170	270	300	0	1e
Mexico	988 280	692 150	222 500	249 520	91 240	1e
Morocco	8 601 000	10 490 100	10 960 200	11 267 500	11 959 000	1e
Nauru	39 800	50 900	23 000	30 600	39 400	1e
Pakistan	20 730	11 100	12 340	14 950	15 000	2n
Peru	4 013 220	3 211 140	3 917 140	4 214 770	3 265 790	1a
Philippines	8 690	8 600	1 500	200	200	1e
Russia	4 797 000	5 148 000	5 304 000	5 382 000	5 382 000	1e
Saudi Arabia	1 620 000	1 701 000	1 827 000	1 860 000	2 300 000	2n
Senegal	886 500	841 020	775 410	855 850	684 300	1e
South Africa	593 800	727 800	720 400	639 000	530 800	1e
Sri Lanka	13 600	14 850	16 290	16 600	18 240	1e
Syria	0	38 700	95 000	134 000	580 000	2n
Tanzania	5 200	300	650	5 050	6 240	1e
Thailand	0	2 400	0	0	0	1e
Togo	306 600	266 260	370 810	260 320	488 900	1a
Tunisia	1 062 400	1 145 300	812 800	1 124 700	911 800	1e
Turkey	231 800	0	0	94 600	261 900	1e
United States	7 615 000	7 840 000	7 250 000	6 547 000	6 604 000	1e
Uzbekistan	170 000	170 000	150 000	150 000	150 000	2n
Venezuela	42 900	19 320	16 800	21 500	20 000	2n
Vietnam	942 750	1 376 400	1 299 660	1 346 880	1 316 850	3e
Zimbabwe	8 500	18 000	15 400	8 100	13 500	1e
Total	83 791 766	79 600 355	71 631 360	70 986 830	70 064 890	

Potash (K₂O-Content)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Belarus	6 180 100	7 101 800	7 346 096	7 348 293	7 562 153	1a
Bolivia			1 700	17 800	4 400	1e
Brazil	316 429	306 296	201 181	269 300	276 600	1e
Canada	10 789 662	12 562 695	14 023 931	12 643 318	13 881 665	1e
Chile	1 303 840	1 238 630	991 180	683 540	966 680	1e
China	5 783 000	5 534 000	5 452 000	5 902 000	5 530 000	1e
Germany	2 750 841	2 963 561	2 754 085	2 615 284	2 874 026	1e
Iran	10 500	15 300	32 900	37 200	37 000	2n
Israel	2 093 100	2 126 700	2 149 300	2 043 500	2 415 600	1n
Jordan	1 222 140	1 415 260	1 485 960	1 516 460	1 598 200	1a
Laos	198 600	307 600	343 500	286 900	442 500	1e
Russia	6 480 000	7 300 000	7 055 000	7 368 000	8 167 300	1n
Spain	672 246	557 468	635 490	547 100	455 000	1n
Turkmenistan		0	15 200	11 100	16 000	2n

United Kingdom	482 800	297 400	291 100	84 000	99 260	1n
United States	510 000	480 000	520 000	510 000	460 000	1e
Uzbekistan	83 000	114 900	176 900	198 400	210 000	1e
Total	38 876 258	42 321 610	43 475 523	42 082 195	44 996 384	

Salt

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Afghanistan	56 928	75 579	47 944	114 245	10 627	1e
Albania	15 500	25 500	31 500	30 000	30 000	2n
Algeria	158 000	165 000	106 200	100 800	95 100	1e
Angola	93 000	101 000	110 000	109 000	164 400	1e
Argentina	1 812 285	1 929 065	1 784 020	1 566 600	1 013 400	3e
Armenia	68 435	137 236	155 393	56 685	24 401	1e
Australia	10 915 520	12 218 780	13 493 556	12 173 391	12 212 483	1e
Austria	1 034 003	1 156 326	1 176 807	1 212 158	1 014 554	1e
Azerbaijan	63 931	66 968	66 699	77 116	76 401	1e
Bahamas	308 007	349 710	854 223	714 387	623 007	1e
Bangladesh	1 620 000	1 660 000	1 490 000	1 224 000	1 649 000	1e
Belarus	2 480 000	2 629 000	2 904 097	2 517 590	1 198 290	1a
Benin	500	500	500	500	500	2n
Bolivia	4 534	3 358	5 373	4 494	14 949	1e
Bosnia-Herzegovina	966 177	1 029 302	1 063 458	1 069 210	947 838	1e
Botswana	399 837	369 613	367 988	383 779	418 379	1e
Brazil	7 510 314	7 381 546	7 227 300	6 700 500	6 463 100	1e
Bulgaria	3 300 000	3 400 000	3 400 000	3 400 000	2 700 000	1a
Cambodia	148 900	33 058	30 000	18 430	83 969	1e
Canada	10 252 161	11 423 624	10 713 206	11 935 716	13 260 613	1e
Cape Verde	1 000	1 000	1 000	1 000	1 000	2n
Chile	8 139 914	7 440 741	10 012 105	10 476 823	9 574 159	1e
China	66 201 000	66 541 700	63 636 100	67 014 400	58 526 800	1e
Colombia	564 194	503 789	391 222	347 183	359 559	1e
Croatia	15 629	19 006	16 453	93 870	111 901	1e
Cuba	248 000	246 300	192 700	210 370	226 000	1e
Denmark	600 000	600 000	600 000	600 000	600 000	1e
Dominican Republic	0	0	23 860	26 000	24 000	2n
Egypt	1 402 000	807 000	1 800 000	1 800 000	2 000 000	2n
El Salvador	30 000	30 000	30 000	30 000	30 000	2n
Eritrea	310 000	310 000	310 000	310 000	320 000	2n
Ethiopia	54 534	60 654	122 850	125 000	125 000	2n
France	4 266 248	4 739 491	4 689 054	5 877 000	5 668 318	1e
Germany	14 441 510	15 535 669	16 229 929	16 627 893	14 226 154	1e
Ghana	250 000	250 000	330 000	300 000	330 000	1e
Greece	158 020	166 527	163 474	167 170	156 213	1e
Honduras	59 000	59 000	63 500	49 900	61 200	1e
Iceland	5 000	5 000	5 000	5 000	5 000	2n
India	29 191 600	28 949 400	30 033 300	28 058 000	26 790 000	3e
Indonesia	141 000	1 021 321	2 719 256	2 852 125	1 365 711	1a
Iran	2 995 025	2 839 430	2 453 873	2 639 192	3 200 232	1a
Iraq	200 000	237 350	271 500	270 000	300 000	2n
Israel	389 240	514 100	377 000	301 000	250 000	2n
Italy	2 550 849	2 283 406	1 514 829	1 538 072	1 192 956	1e
Jamaica	15 354	12 565	10 000	10 000	10 000	2n
Japan	928 000	926 000	929 000	903 000	874 000	1e
Jordan	41 309	48 985	48 901	49 000	50 000	2n
Kazakhstan	730 283	803 794	885 717	1 094 659	1 237 455	1e

Kenya	23 425	43 245	28 841	13 728	4 703	1e
Korea, North	500 000	500 000	500 000	500 000	500 000	2n
Korea, South	323 470	308 844	282 590	261 970	176 247	1e
Kuwait	66 664	58 250	59 300	58 600	59 000	2n
Kyrgyzstan	7 000	6 000	4 665	5 605	6 000	2n
Laos	36 398	37 490	46 863	10 079	3 951	1e
Lebanon	3 000	3 000	3 000	3 000	3 000	2n
Libya	30 000	30 000	30 000	30 000	30 000	2n
Madagascar	107 000	110 000	110 000	110 000	110 000	2n
Malta	1 600	1 600	1 600	1 600	1 600	2n
Mauritius	500	1 000	1 000	1 500	2 200	2n
Mexico	10 443 786	9 570 779	9 392 052	8 845 239	9 084 859	1e
Mongolia	478	860	997	533	2 624	1e
Morocco	634 610	659 263	691 637	854 397	490 896	1e
Mozambique	10 127	21 458	27 729	28 250	43 000	2n
Myanmar	212 041	158 499	189 146	213 319	229 750	1e
Namibia	835 539	866 586	1 151 153	983 354	987 872	1e
Netherlands	6 625 418	6 935 000	6 750 546	5 913 782	5 712 038	1e
New Zealand	102 000	102 000	100 000	100 000	100 000	2n
Nicaragua	55 000	50 000	50 000	55 000	55 000	2n
Norway	10 632	10 000	56 000	10 000	5 300	1e
Oman	12 100	18 035	11 537	15 003	11 700	1e
Pakistan	3 867 325	3 806 888	3 888 344	4 055 936	3 626 798	1e
Panama	23 470	18 590	17 281	27 389	24 958	1e
Peru	1 450 415	1 481 398	1 509 564	1 266 347	1 030 598	1a
Philippines	1 238 610	1 250 000	600 000	200 000	200 000	2n
Poland	4 079 000	4 660 000	4 125 000	4 063 000	3 638 000	1a
Portugal	6 092	7 800	6 201	4 709	4 217	1a
Romania	2 100 000	2 340 000	2 374 973	2 015 579	1 175 979	1e
Russia	6 687 000	7 073 000	6 710 000	8 175 000	6 026 000	1e
Saudi Arabia	2 400 000	2 520 000	2 646 000	2 778 000	2 800 000	2n
Senegal	263 218	265 040	245 700	286 100	290 873	1e
Serbia	9 149	8 197	7 811	13 464	6 703	1e
Slovenia	2 417	2 335	2 018	1 437	805	1e
South Africa	473 339	492 860	478 285	510 012	533 099	1e
Spain	4 453 041	4 135 626	4 512 243	4 330 514	4 460 823	1e
Sri Lanka	106 034	74 108	68 834	57 291	60 076	1e
Sudan	223 397	235 000	267 000	263 000	237 000	3e
Switzerland	447 216	448 509	530 414	477 325	324 527	1n
Syria	5 000	5 000	12 000	50 000	70 000	1e
Taiwan	77 300	77 054	78 539	76 255	77 854	1e
Tajikistan	35 238	41 323	36 964	35 324	26 637	1e
Tanzania	178 200	124 500	36 600	99 510	83 974	1e
Thailand	1 390 548	1 497 223	1 487 364	1 580 390	1 439 877	1e
Tunisia	1 346 026	1 403 537	2 116 972	2 039 781	1 630 000	1e
Turkey	5 328 256	6 673 242	6 298 705	6 961 015	7 698 018	1e
Turkmenistan	100 000	100 000	100 000	100 000	94 600	1n
Ukraine	1 783 530	1 815 684	2 191 619	2 092 795	2 100 000	2e
United Kingdom	3 898 987	2 361 707	3 430 266	2 254 046	2 300 000	2n
United States	41 700 000	39 900 000	43 900 000	42 000 000	41 000 000	2e
Venezuela	640 000	600 000	600 000	600 000	500 000	2n
Vietnam	982 000	648 500	996 500	945 000	1 205 500	3e
Yemen	50 000	50 000	50 000	50 000	50 000	2n
Total	280 522 337	282 716 423	291 702 740	290 609 436	269 953 325	

Sulfur

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Algeria	6 000	6 000	6 000	6 000	6 000	2n
Armenia	8 500	8 100	10 500	10 500	11 500	1e
Australia	900 000	900 000	900 000	900 000	900 000	2n
Austria	5 474	7 691	6 980	6 768	6 564	1e
Bahrain	134 790	144 805	139 370	139 655	125 350	1e
Brazil	530 000	530 000	450 000	460 000	450 000	1e
Bulgaria	395 500	501 000	474 100	423 600	497 000	1e
Canada	5 381 000	5 327 000	5 333 000	4 808 913	4 904 051	1e
Chile	1 870 900	1 797 800	1 734 200	1 521 700	1 787 300	1e
China	13 908 100	13 488 700	13 762 700	14 450 000	15 340 000	2n
Colombia	76 331	81 172	155 641	100 203	69 638	1e
Cuba	174 200	298 600	309 000	317 000	311 200	1e
Denmark	6 144	4 004	4 194	3 554	4 140	1e
Egypt	60 000	80 000	80 000	80 000	80 000	2n
Finland	852 700	937 000	888 300	811 600	794 900	1n
France	380 000	500 000	500 000	500 000	450 000	2n
Germany	577 684	537 882	419 597	460 012	353 293	1e
Greece	185 000	210 000	280 000	260 000	210 000	2n
India	2 960 800	3 475 200	4 290 400	3 900 950	3 750 000	2n
Indonesia	540 000	500 000	500 000	500 000	500 000	2n
Iran	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2n
Iraq	40 000	40 000	40 000	40 000	40 000	2n
Italy	838 500	846 900	809 900	1 261 100	458 700	1e
Japan	3 517 800	3 372 500	3 408 300	3 259 000	3 112 000	1n
Jordan	20 000	20 000	20 000	10 000	50 000	2n
Kazakhstan	2 850 000	3 789 700	3 218 250	3 834 100	3 749 900	1e
Korea, North	10 000	10 000	10 000	10 000	10 000	2n
Korea, South	2 000 000	2 000 000	2 000 000	2 000 000	2 000 000	1e
Kuwait	750 000	556 800	671 000	623 300	620 000	1n
Libya	75 000	133 300	133 000	130 000	130 000	2n
Lithuania	94 520	93 970	93 960	86 040	71 250	1e
Mexico	673 285	551 218	442 657	364 967	315 935	1e
Namibia	62 630	72 280	78 610	72 920	81 500	1e
Norway	110 000	100 000	120 000	100 000	100 000	2n
Oman	35 560	59 140	84 990	79 140	80 830	1e
Pakistan	14 869	23 740	22 040	20 715	19 948	1e
Peru	551 100	536 200	552 800	511 500	474 500	1e
Philippines	1 134 400	1 056 400	1 100 000	1 050 000	860 000	2n
Poland	1 253 800	1 321 410	1 250 400	1 210 240	1 011 080	1e
Qatar	2 419 000	2 000 000	1 767 000	2 050 000	1 650 000	1n
Russia	6 960 000	7 000 000	7 170 000	7 175 000	6 850 000	2n
Saudi Arabia	5 969 900	6 564 200	6 600 000	6 600 000	6 600 000	2n
South Africa	280 830	256 700	239 297	919 624	575 491	1e
Spain	646 600	633 000	662 000	663 100	584 300	1e
Sweden	393 900	390 620	416 560	347 990	345 630	1e
Taiwan	163 768	173 963	169 698	195 358	167 337	1e
Turkey	78 000	92 500	250 000	242 600	117 400	1e
Turkmenistan	400 000	200 000	480 000	330 000	470 000	2n
Ukraine	171 300	175 900	222 200	220 400	223 500	1e
United Arab Emirates	4 800 000	4 600 000	5 300 000	5 980 000	5 220 000	3e
United Kingdom	133 000	133 000	129 000	130 000	130 000	2n
United States	9 740 000	9 630 000	9 670 000	8 710 000	7 890 000	1e
Venezuela	700 000	700 000	700 000	500 000	300 000	2n
Zambia	363 000	679 500	947 800	960 200	917 300	1n
Total	78 403 885	79 347 895	81 223 444	81 547 749	77 977 537	

Talc

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	16 266	15 330	13 072	10 000	2 304	1e
Australia	111 000	120 000	130 000	140 000	110 000	2n
Austria	123 040	123 558	127 866	124 184	123 000	1e
Bhutan	2 261	1 293	2 042	1 375	972	1e
Brazil	494 157	500 000	660 000	650 000	650 000	2n
Canada	199 000	215 000	279 000	243 000	153 293	1e
China	2 000 000	1 800 000	2 000 000	2 450 000	2 000 000	2n
Colombia	103	2 374	2 062	1 708	717	1e
Egypt	14 300	15 000	25 000	22 000	20 000	2n
Finland	345 739	354 819	374 398	329 891	278 331	1a
France	450 000	470 000	450 000	400 000	400 000	2n
Guatemala	2 733	1 982	2 187	10	2 000	1e
India	1 292 893	1 652 367	1 682 825	1 748 963	1 750 000	2n
Iran	87 899	86 514	73 259	49 650	61 665	1a
Italy	165 000	165 000	165 000	160 000	165 000	2n
Japan	375 000	365 000	160 000	160 000	160 000	2b
Korea, North	40 000	40 000	40 000	40 000	30 000	2n
Korea, South	592 247	434 292	348 648	330 250	475 764	1e
Mexico	17 263	7 129	8 448	7 202	29 122	1e
Nepal	1 860	7 096	8 658	7 813	2 719	1e
Nigeria	667	1 897	2 668	6 630	8 404	1e
North Macedonia	729	478	559	0	0	1e
Pakistan	125 985	152 279	141 504	156 935	150 009	1e
Peru	29 379	42 123	47 309	43 974	37 938	1a
Portugal	11 699	13 600	10 144	12 901	9 751	1a
Russia	20 000	20 000	12 500	48 000	104 000	1e
Saudi Arabia	42 000	44 000	46 000	48 000	48 000	2n
Slovakia	800	14 000	43 000	70 100	91 600	1e
South Africa	23 576	58 776	102 142	135 430	92 318	1e
Spain	0	11 500	15 500	13 100	13 000	2n
Sudan	4 250	4 000	4 000	2 000	0	3e
Taiwan	250	0	17	6	0	1e
Thailand	103 926	61 436	58 676	14 564	38 146	1e
Turkey	203 214	474 482	284 216	92 077	143 470	1e
United Kingdom	2 997	3 218	1 640	3 131	2 000	2n
United States	578 000	610 000	648 000	578 000	490 000	1e
Uruguay	290	100	420	50	520	1e
Total	7 478 523	7 888 643	7 970 760	8 100 944	7 644 043	

Vermiculite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Argentina	60	0	0	0	0	1e
Brazil	53 330	50 050	56 708	47 581	58 821	1e
China	50 000	50 000	50 000	50 000	50 000	2n
India	9 042	6 054	2 992	2 774	1 260	1e
Iran	1 000	0	0	0	0	1a
Kenya	100	0	0	100	0	2n
Mexico	310	464	244	148	104	1e
Russia	20 000	14 400	25 904	29 237	28 442	1e
South Africa	166 483	166 084	141 346	158 013	118 223	1e

Turkey	1 050	1 618	18 183	1 370	19 230	1e
Uganda	3 295	4 119	10 413	9 674	14 170	1e
United States	100 000	100 000	100 000	100 000	100 000	1e
Zimbabwe	29 312	23 302	33 161	25 524	26 388	1e
Total	433 982	416 091	438 951	424 421	416 638	

Zircon

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	600 000	430 850	522 400	468 900	380 000	1e
Brazil	21 302	19 016	17 844	17 136	10 994	1e
China	100 000	116 000	150 000	140 000	140 000	2n
India	11 709	9 107	11 906	15 600	16 000	2n
Indonesia	34 800	29 500	53 700	73 100	64 150	1n
Kenya	39 687	42 217	36 387	30 440	31 730	1n
Madagascar	15 582	25 950	22 400	28 500	25 250	1e
Malaysia	653	1 595	509	449	450	2n
Mozambique	215 222	159 664	202 022	121 768	104 076	1e
Nigeria	891	4 086	1 421	1 000	242	1e
Russia	7 704	7 324	7 400	6 300	6 000	1e
Senegal	52 627	81 749	93 569	80 747	83 257	1e
Sierra Leone	1 329	3 000	11 400	8 500	4 564	1a
South Africa	377 430	361 813	303 610	320 000	311 800	2n
Sri Lanka	7 749	8 569	785	971	419	1e
Turkey	500	1 200	1 950	0	0	1e
Ukraine	29 280	27 239	21 614	18 000	16 000	2e
United States	50 000	45 000	100 000	30 000	30 000	1e
Vietnam	9 300	5 500	10 500	6 600	10 700	1n
Total	1 575 765	1 379 379	1 569 417	1 368 011	1 235 632	

6.4.5 Mineral Fuels

Steam Coal

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Afghanistan	1 698 200	2 191 400	2 444 600	2 139 200	56 620	1e
Albania	16 800	138 800	295 800	95 380	151 231	1e
Argentina	40 597	37 713	81 993	154 782	24 800	1e
Australia	249 568 000	252 748 000	259 784 000	271 388 000	267 529 000	1p
Bangladesh	1 021 638	1 160 658	923 276	805 696	811 138	1n
Bhutan	117 783	161 527	186 824	184 785	72 838	1e
Botswana	1 870 939	2 215 782	2 482 313	2 110 891	1 923 992	1e
Brazil	3 525 735	3 325 439	3 568 760	3 812 975	3 171 509	1e
Bulgaria	5 900	0	0	0	0	1e
Canada	25 077 000	23 049 000	17 929 000	16 452 800	12 904 000	1p
Chile	2 525 171	2 495 390	2 294 677	1 606 554	191 562	1e
China	2 505 708 000	2 671 559 000	2 850 962 000	2 970 445 000	3 004 550 000	1p

Colombia	86 622 000	85 213 000	80 771 070	79 770 360	48 365 579	1e
Czech Republic	3 095 300	2 337 100	1 993 850	1 335 497	841 188	1n
Eswatini	158 418	202 277	144 375	109 926	161 768	1e
Georgia	296 500	268 100	137 900	15 300	99 300	1e
Germany	1 806 300	1 483 200	1 212 700	0	0	1e
India	596 207 000	635 252 000	687 586 000	677 938 000	671 297 000	1e
Indonesia	460 137 000	490 409 256	543 919 000	594 796 500	558 284 300	1p
Iran	121 000	138 000	400 000	485 000	450 000	1a
Italy	59 000	47 000	0	0	0	1e
Kazakhstan	81 856 000	90 910 400	101 085 800	98 593 000	97 924 100	1e
Korea, North	32 827 000	22 271 000	16 899 000	20 210 000	17 000 000	1e
Korea, South	1 727 046	1 485 582	1 201 920	1 084 000	1 019 000	1e
Kyrgyzstan	248 000	246 500	316 200	346 500	518 600	1e
Laos	138 809	133 284	142 994	161 494	320 231	1e
Malawi	43 338	45 230	49 753	54 728	54 876	1e
Malaysia	2 414 764	2 988 211	2 652 814	3 459 122	2 978 248	1e
Mexico	8 173 505	7 528 900	6 772 528	6 175 726	2 185 295	1e
Mongolia	5 496 000	6 286 990	6 914 400	6 683 100	6 280 200	1p
Mozambique	2 214 199	4 391 833	6 891 201	4 983 146	3 370 585	1e
Myanmar	317 000	646 900	819 715	1 156 100	1 099 980	1e
Nepal	2 900	10 237	10 049	61 179	69 418	1e
New Zealand	1 383 000	1 426 000	1 710 060	1 545 230	1 482 000	1p
Niger	246 631	233 792	221 580	225 920	246 880	1e
Nigeria	989 155	397 214	352 679	543 424	747 979	1e
Norway	960 341	134 433	154 200	117 000	63 000	1n
Pakistan	3 749 312	3 953 992	4 477 555	5 406 878	8 428 237	1e
Peru	268 883	301 446	218 787	181 023	131 516	1a
Philippines	11 211 000	11 932 000	13 055 840	15 273 525	13 267 098	1e
Poland	57 181 000	52 999 300	51 336 590	49 552 170	42 111 970	1p
Russia	223 626 100	253 700 000	271 200 000	266 700 000	241 300 000	1e
South Africa	251 567 000	253 096 500	251 706 073	254 735 300	243 427 200	1p
Spain	1 101 907	1 161 748	645 612	0	0	1e
Tajikistan	1 361 575	1 760 090	1 907 055	2 027 790	2 023 000	1e
Tanzania	276 030	558 553	627 652	712 136	689 959	1e
Turkey	2 070 000	1 875 000	2 160 520	2 695 628	2 608 900	1p
Ukraine	25 121 500	18 932 900	21 648 100	19 747 200	17 733 500	1e
United Kingdom	3 035 700	2 267 900	1 996 860	1 849 060	1 166 420	1e
United States	543 539 000	573 904 900	562 012 600	521 540 300	394 850 100	1e
Uzbekistan	160 000	160 000	160 000	245 168	326 051	1e
Venezuela	210 000	370 000	100 000	379 907	683 583	1e
Vietnam	38 735 000	38 409 000	42 384 000	47 158 000	48 377 000	3e
Zambia	126 050	208 608	344 717	361 648	448 821	1e
Zimbabwe	1 219 000	2 682 650	3 049 730	2 486 960	2 517 060	1e
Total	5 243 275 026	5 531 843 735	5 832 344 722	5 960 099 008	5 726 336 632	

Coking Coal

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	189 302 000	190 000 000	179 350 000	189 066 000	183 740 000	1p
Canada	25 016 000	29 219 000	29 666 000	30 158 000	26 082 000	1p
China	547 017 000	516 107 000	530 440 000	538 634 000	553 656 000	1p
Colombia	4 438 000	6 078 000	5 555 700	5 398 800	3 951 700	1p
Czech Republic	2 978 700	2 532 900	2 626 361	2 309 833	1 296 137	1n
Germany	2 042 700	2 185 300	1 370 800	0	0	1e
India	61 661 000	40 148 000	41 132 000	52 936 000	44 787 000	1e
Indonesia	3 340 000	4 300 000	5 117 786	5 752 018	5 443 961	1p

Iran	1 214 000	1 383 000	1 650 000	1 600 000	3 816 000	1a
Kazakhstan	15 468 000	15 749 700	10 836 000	10 478 500	10 052 900	1e
Mexico	5 551 135	4 566 000	3 897 000	3 275 000	4 587 000	1p
Mongolia	19 998 000	25 672 000	27 073 750	28 962 970	27 216 800	1p
Mozambique	3 972 122	7 385 930	8 355 292	5 356 390	4 670 626	1e
New Zealand	1 171 000	1 173 100	1 213 400	1 200 900	1 038 970	1p
Poland	13 204 000	12 480 640	12 047 000	12 071 220	12 273 960	1p
Russia	88 600 000	85 300 000	89 800 000	93 900 000	88 200 000	1e
South Africa	4 247 000	4 028 275	3 714 957	3 118 162	3 080 744	1p
Turkey	695 000	764 000	692 130	698 870	601 000	1p
Ukraine	6 508 800	5 233 900	4 606 300	5 783 200	6 434 800	1e
United Kingdom	1 142 100	773 160	785 470	742 340	506 870	1e
United States	50 136 000	67 388 600	71 948 200	64 168 100	50 358 700	1e
Zimbabwe	417 000	245 549	297 770	242 960	233 830	1e
Total	1 048 119 557	1 022 714 054	1 032 175 916	1 055 853 263	1 032 028 998	

Lignite

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	61 473 000	56 719 000	45 956 000	43 315 000	41 513 000	1p
Bosnia-Herzegovina	13 481 012	14 033 504	14 378 767	13 376 548	13 365 730	1e
Brazil	3 480 217	1 488 084	1 422 500	1 596 696	2 309 404	1e
Bulgaria	31 434 200	34 587 500	31 813 678	29 462 615	22 519 300	1a
Canada	9 167 000	9 890 000	9 900 000	9 370 000	7 181 000	1p
Czech Republic	38 646 000	39 310 000	39 187 000	37 465 000	29 505 000	1a
Germany	171 552 350	171 285 700	166 258 000	131 314 000	107 377 260	1e
Greece	32 674 790	37 802 600	36 574 360	27 383 575	13 851 400	1e
Hungary	9 232 810	7 974 130	7 898 689	6 846 837	6 125 178	1e
India	45 230 000	46 644 000	44 283 000	42 096 000	36 614 000	1e
Kazakhstan	5 750 000	5 739 000	6 560 700	5 929 100	5 422 100	1e
Kosovo	8 800 848	7 574 697	7 169 767	8 063 051	8 537 948	1e
Kyrgyzstan	1 603 000	1 628 900	2 079 000	2 259 500	2 159 030	1e
Laos	13 097 121	13 439 492	15 903 277	15 263 562	14 366 628	1e
Mongolia	6 672 000	6 783 000	7 449 000	8 053 080	6 021 000	1p
Montenegro	1 397 500	1 474 800	1 595 900	1 605 200	1 665 449	1a
Myanmar	233 000	90 000	485 724	785 480	789 100	1p
New Zealand	313 035	319 487	307 378	287 830	297 690	1e
North Macedonia	5 130 055	5 056 918	4 946 486	5 066 083	4 532 745	1e
Poland	60 273 000	63 060 000	61 144 000	52 855 000	47 300 000	1a
Romania	22 980 000	25 752 300	23 647 150	21 652 320	15 030 906	1e
Russia	71 600 000	72 200 000	78 300 000	80 800 000	72 600 000	1e
Serbia	38 440 527	39 805 959	37 648 957	38 880 520	39 673 059	1e
Slovakia	1 956 510	1 860 710	1 506 940	1 474 830	986 270	1e
Slovenia	3 348 889	3 355 664	3 216 735	3 218 696	3 259 309	1e
Spain	730 470	1 833 357	1 727 513	0	0	1e
Thailand	16 978 601	16 258 637	14 851 950	14 077 965	13 250 574	1e
Turkey	70 239 000	71 459 170	81 084 000	83 694 600	71 239 430	1p
United States	64 692 400	61 394 500	51 744 500	48 255 700	44 783 600	1e
Uzbekistan	3 717 400	3 878 670	4 014 400	3 807 600	3 805 000	1e
Total	814 324 735	822 699 779	803 055 371	738 256 388	636 081 110	

Natural Gas

Country	2016 Mio m ³	2017 Mio m ³	2018 Mio m ³	2019 Mio m ³	2020 Mio m ³	Rem
Afghanistan	165	156	153	129	80	1e
Albania	88	91	82	71	55	1e
Algeria	94 953	96 599	97 467	90 349	85 119	1e
Angola	1 710	5 800	6 190	6 800	7 278	1p
Argentina	40 760	39 740	40 930	43 220	39 570	1e
Australia	97 328	113 805	130 987	154 485	154 263	1e
Austria	1 253	1 742	969	891	743	1e
Azerbaijan	18 718	18 186	19 207	24 514	26 487	1e
Bahrain	15 200	15 230	15 420	17 120	17 230	1e
Bangladesh	27 558	27 450	27 430	27 230	24 990	1n
Barbados	17	15	14	14	11	1e
Belarus	215	205	211	218	219	1a
Bolivia	21 280	20 695	19 341	17 046	16 384	1e
Brazil	25 337	28 663	26 687	27 358	25 384	1e
Brunei	12 417	14 578	12 235	12 504	12 073	1e
Bulgaria	80	65	31	35	55	1a
Cameroon	360	390	1 460	2 010	2 130	1e
Canada	167 162	173 475	177 821	170 890	167 733	1e
Chile	1 175	1 200	1 221	1 339	1 316	1e
China	136 865	148 035	160 159	175 362	192 495	1e
Colombia	11 080	10 915	11 590	11 800	11 770	1e
Congo, Rep.	866	860	867	580	405	1e
Cote d'Ivoire	2 395	2 130	1 935	2 066	2 140	1e
Croatia	1 647	1 484	1 230	1 029	904	1e
Cuba	1 185	1 051	970	951	895	1e
Czech Republic	169	171	179	146	173	1a
Denmark	4 535	4 820	4 148	3 138	1 424	1e
Ecuador	528	463	353	318	268	1e
Egypt	40 250	48 810	58 560	64 940	58 465	1r
Equatorial Guinea	7 875	8 240	7 750	6 235	6 023	1e
France	40	51	70	122	206	1e
Gabon	530	491	511	464	502	1e
Georgia	7	9	10	10	9	1e
Germany	8 673	7 932	6 888	6 699	5 692	1e
Ghana	660	940	910	1 550	2 660	1e
Greece	9	8	12	9	6	1e
Hungary	1 823	1 821	1 905	1 716	1 708	1e
India	30 848	31 731	32 058	30 257	27 784	1e
Indonesia	74 670	72 270	72 570	67 160	59 180	1e
Iran	199 342	213 804	232 015	241 422	250 786	1r
Iraq	9 900	10 120	10 574	10 967	10 492	1r
Ireland	2 770	3 170	3 060	2 390	1 840	1e
Israel	8 015	8 470	9 010	9 035	13 305	1e
Italy	5 785	5 538	5 443	4 852	4 107	1e
Japan	2 754	3 008	2 707	2 524	2 295	1e
Jordan	116	102	93	99	150	1a
Kazakhstan	28 466	31 587	36 350	33 100	32 810	1e
Korea, South	148	326	293	248	177	1e
Kuwait	17 293	16 892	17 925	17 516	17 522	1e
Kyrgyzstan	29	26	27	24	22	1e
Libya	15 570	14 310	13 880	14 190	17 714	1e
Malaysia	67 557	70 290	66 212	68 700	63 370	1e
Mexico	34 390	30 470	29 860	29 370	30 460	1e
Morocco	80	81	87	99	98	1e
Mozambique	5 160	5 110	5 120	4 620	4 880	1e
Myanmar	18 980	18 660	16 040	18 810	17 820	1e
Netherlands	50 324	43 098	36 740	31 648	22 811	1e

New Zealand	4 811	4 808	4 204	4 510	4 436	1e
Nigeria	48 640	50 630	50 810	51 870	52 040	1e
Norway	116 767	124 664	122 203	115 123	112 296	1e
Oman	32 601	33 172	37 660	37 460	36 110	1e
Pakistan	41 958	41 678	41 313	40 679	37 283	1e
Papua New Guinea	3 128	3 286	2 914	3 339	3 325	1e
Peru	14 001	12 942	12 721	13 429	12 030	1a
Philippines	3 979	3 942	4 270	4 403	4 013	1e
Poland	5 073	5 009	4 926	4 976	4 934	1a
Qatar	167 100	166 500	165 600	167 610	167 435	1p
Romania	9 811	10 582	10 278	9 959	8 914	1e
Russia	606 300	680 800	711 500	718 960	680 100	1e
Saudi Arabia	110 860	115 000	118 000	117 000	119 000	1e
Senegal	21	18	11	15	14	1e
Serbia	523	489	450	439	409	1e
Slovakia	93	90	90	80	70	1e
Slovenia	5	9	18	8	6	1e
South Africa	807	737	615	658	554	1e
Spain	52	34	90	135	54	1e
Syria	3 530	3 490	3 470	3 330	2 740	1o
Taiwan	321	266	198	167	105	1e
Tajikistan	3	2	1	1	1	1e
Tanzania	1 368	1 344	1 675	1 807	1 616	1e
Thailand	39 037	37 417	36 454	37 450	33 805	1e
Trinidad and Tobago	32 100	32 845	35 005	35 545	30 230	1e
Tunisia	2 236	2 094	1 950	1 780	1 850	1e
Turkey	382	364	436	483	458	1e
Turkmenistan	69 400	70 600	70 000	71 000	67 960	1e
Ukraine	20 052	20 510	20 806	20 520	20 171	1e
United Arab Emirates	59 521	59 495	58 034	58 027	55 432	1r
United Kingdom	41 653	42 100	40 827	39 265	39 342	1e
United States	753 010	774 200	871 440	959 920	948 200	1e
Uzbekistan	56 136	56 417	59 842	60 538	49 739	1e
Venezuela	37 240	38 605	31 619	25 576	18 751	1r
Vietnam	10 610	9 866	10 010	10 200	9 160	3e
Yemen	500	300	100	100	100	1p
Total	3 610 739	3 779 684	3 955 507	4 076 751	3 967 171	

Petroleum

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Albania	1 055 730	958 940	910 670	1 005 090	758 170	1e
Algeria	68 417 000	66 667 000	65 331 000	64 330 000	57 426 000	1e
Angola	85 152 000	78 578 410	71 284 690	66 171 070	60 735 930	1p
Argentina	25 487 500	23 879 000	24 369 600	25 323 400	23 992 500	1e
Australia	17 188 000	15 591 100	16 703 800	22 192 000	22 301 990	1e
Austria	809 189	741 890	681 842	642 953	609 254	1e
Azerbaijan	41 050 400	38 688 400	38 814 300	37 501 200	34 531 900	1e
Bahrain	2 422 200	2 202 200	2 097 100	2 109 850	2 162 350	1e
Bangladesh	559 240	592 650	589 650	565 140	522 570	1n
Barbados	31 750	32 050	30 070	28 560	23 590	1e
Belarus	1 645 000	1 650 000	1 670 000	1 690 000	1 710 000	1a
Bolivia	2 817 500	2 711 300	2 534 273	2 244 260	2 065 070	1e
Brazil	130 144 400	136 052 700	134 122 000	143 933 400	151 759 400	1e
Brunei	6 021 270	5 635 870	5 553 200	6 040 240	5 479 350	1e
Bulgaria	22 600	21 930	20 600	20 000	20 500	1a

Cameroon	4 595 300	3 781 800	3 428 100	3 545 900	3 622 200	1e
Canada	220 549 900	238 267 000	258 785 300	265 043 100	253 064 300	1e
Chad	5 478 000	5 663 200	5 750 600	6 316 700	6 303 000	1e
Chile	215 080	177 760	160 330	161 520	102 640	1e
China	199 685 200	191 506 100	189 324 200	191 628 300	194 768 600	1e
Colombia	44 226 200	42 519 290	43 088 900	44 101 940	38 993 490	1e
Congo, D.R.	1 068 970	1 027 850	1 144 760	1 113 260	1 191 660	1e
Congo, Rep.	12 838 700	13 252 670	16 740 500	16 882 200	14 940 000	1e
Cote d'Ivoire	2 104 100	1 696 900	1 607 400	1 799 700	1 470 100	1e
Croatia	737 100	744 500	732 100	705 700	631 800	1e
Cuba	2 619 200	2 522 200	2 462 500	2 371 450	2 230 000	2n
Czech Republic	116 000	106 000	109 000	81 000	91 000	1a
Denmark	6 924 374	6 736 967	5 665 787	5 017 234	3 556 200	1e
Ecuador	27 377 000	26 452 000	25 754 000	26 442 000	23 932 000	1e
Egypt	33 835 000	32 178 000	32 844 000	31 812 000	30 001 810	1r
Equatorial Guinea	10 168 155	8 666 670	7 826 120	7 150 650	7 154 660	1e
France	816 000	758 000	774 100	719 800	644 700	1e
Gabon	11 480 000	10 503 000	9 646 000	10 848 000	10 766 000	1e
Georgia	38 600	32 000	30 200	35 100	31 300	1e
Germany	2 355 028	2 218 406	2 066 643	1 923 232	1 895 942	1e
Ghana	4 614 000	8 379 700	8 876 500	10 205 700	9 561 000	1e
Greece	173 486	139 551	201 786	164 905	91 500	1e
Guatemala	448 100	480 000	458 800	478 200	389 000	1e
Guyana			0	58 280	3 709 780	1e
Hungary	732 702	705 274	808 000	930 000	841 000	1e
India	36 008 830	35 684 330	34 203 270	32 169 270	30 494 090	1e
Indonesia	41 488 400	39 879 800	38 434 800	37 104 200	35 367 913	1a
Iran	216 144 450	231 371 430	218 667 480	157 764 820	142 736 450	1r
Iraq	217 602 300	222 381 850	227 012 450	234 220 100	202 037 850	1r
Israel	96 968	64 308	73 933	84 020	130 427	1e
Italy	3 746 000	4 138 000	4 684 200	4 279 000	5 383 940	1e
Japan	494 000	505 400	449 000	470 200	461 000	1e
Jordan	400	300	1 000	1 600	1 600	1a
Kazakhstan	78 031 800	86 194 400	90 359 500	90 555 500	85 656 100	1e
Kenya			0	32 400	41 000	1e
Korea, South	14 130	29 610	25 730	21 130	13 990	1e
Kuwait	147 074 800	134 633 070	136 244 500	133 309 720	121 347 440	1e
Kyrgyzstan	145 300	173 200	200 000	233 100	240 200	1e
Libya	18 809 560	43 757 120	47 343 600	54 609 200	19 388 800	1e
Lithuania	63 470	55 830	46 030	39 570	31 630	1e
Malaysia	33 193 400	32 887 600	32 509 900	30 384 800	27 679 100	1e
Mauritania	235 600	165 600	0	0	0	1e
Mexico	120 445 280	109 084 360	101 605 440	94 161 830	93 860 550	1e
Moldova	6 000	5 000	5 100	5 032	5 032	1e
Mongolia	1 125 300	1 039 900	871 500	937 900	560 000	1e
Morocco	4 841	4 640	4 840	4 335	4 098	1e
Mozambique	65 080	55 790	51 810	41 250	55 940	1e
Myanmar	608 800	573 400	480 500	429 000	355 900	1e
Netherlands	1 273 800	1 222 000	1 129 300	892 600	862 200	1e
New Zealand	1 571 650	1 400 440	1 085 220	1 121 090	963 860	1e
Niger	820 300	909 200	827 300	903 400	855 500	1e
Nigeria	89 588 000	94 081 000	95 675 000	100 287 000	87 891 000	1e
Norway	91 424 500	89 849 500	84 275 900	79 388 000	93 090 400	1e
Oman	50 135 200	48 308 200	48 710 000	48 339 200	47 460 200	1e
Pakistan	4 246 335	4 329 141	4 441 610	4 433 150	3 832 330	1e
Papua New Guinea	2 907 400	2 656 600	1 898 700	1 889 900	1 960 100	1e
Peru	6 744 300	6 688 300	6 688 500	6 956 200	6 221 400	1a
Philippines	838 800	750 300	726 300	652 300	568 700	1e
Poland	957 050	939 240	937 040	936 760	911 430	1a
Qatar	79 522 000	75 393 420	77 171 170	77 086 260	77 040 550	1p
Romania	3 801 000	3 635 000	3 577 000	3 568 000	3 457 000	1e
Russia	547 306 140	546 742 200	555 833 900	560 256 690	512 761 000	1e

Saudi Arabia	586 712 210	559 319 390	576 817 650	556 564 010	519 613 000	1e
Senegal	3 320	12 960	20 300	28 500	25 280	1e
Serbia	963 532	924 351	910 712	881 000	859 226	1e
Slovakia	9 490	8 160	7 522	6 331	3 790	1e
Slovenia	379	481	769	490	385	1e
South Africa	38 796	31 145	23 770	29 774	31 974	1e
South Sudan	6 751 570	7 250 770	7 107 700	8 448 490	8 372 600	1r
Spain	139 176	118 809	89 476	40 244	27 537	1e
Sudan	4 733 100	4 119 300	3 560 000	3 778 300	3 764 600	1e
Suriname	815 700	811 600	818 400	825 200	818 400	1e
Syria	1 101 250	1 078 300	1 051 030	1 510 590	1 964 180	1r
Taiwan	7 200	4 600	4 000	3 300	1 860	1e
Tajikistan	25 134	23 482	23 939	23 293	24 400	1e
Thailand	12 858 430	11 939 770	11 361 670	11 362 210	10 077 510	1e
Trinidad and Tobago	4 593 210	4 655 220	4 122 240	3 869 080	3 600 510	1e
Tunisia	2 438 315	2 065 930	2 027 230	1 859 060	1 748 400	1e
Turkey	2 571 928	2 551 929	2 850 828	2 984 800	3 202 924	1e
Turkmenistan	11 397 000	10 950 000	10 640 000	10 420 000	9 490 000	1e
Ukraine	2 272 100	2 169 900	2 293 300	2 453 600	2 429 700	1e
United Arab Emirates	182 379 600	176 224 330	176 686 680	180 544 180	165 622 270	1r
United Kingdom	47 872 100	47 049 300	51 550 700	52 856 200	49 361 500	1e
United States	585 129 800	620 208 100	722 989 800	808 722 500	775 016 000	1e
Uzbekistan	2 615 400	2 766 600	2 890 915	2 816 300	2 141 800	1e
Venezuela	121 033 000	107 584 000	75 628 110	46 625 600	27 390 800	1r
Vietnam	15 200 000	13 557 000	11 989 000	11 043 000	9 650 000	3e
Yemen	991 000	1 282 600	1 732 300	2 387 000	2 411 100	1p
Total	4 365 213 898	4 368 815 784	4 466 447 985	4 470 984 613	4 175 460 722	

Oil Sands (part of Petroleum)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Canada	130 356 500	144 006 100	156 864 600	158 766 200	153 043 300	1e
Venezuela	29 000 000	25 000 000	20 000 000	18 000 000	14 900 000	1n
Total	159 356 500	169 006 100	176 864 600	176 766 200	167 943 300	

Oil Shales

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Austria	169	170	150	100	100	2n
Bulgaria			0	39 000	44 000	1e
Estonia	15 764 000	21 625 000	21 883 000	15 697 400	12 144 400	1e
France	2 000	2 000	2 000	2 000	2 000	2n
Germany	492 777	481 803	494 650	487 012	471 404	1e
Israel	423 100	426 000	414 580	402 882	392 990	1e
Total	16 682 046	22 534 973	22 794 380	16 628 394	13 054 894	

Uranium (U₃O₈)

Country	2016 metr. t	2017 metr. t	2018 metr. t	2019 metr. t	2020 metr. t	Rem
Australia	7 352	6 736	7 737	7 726	7 273	1e
Brazil	0	0	0	0	20	1e
Canada	16 666	14 394	8 225	8 230	4 817	1e
China	1 906	2 223	2 223	2 223	2 223	1d
Czech Republic	151	66	40	39	29	1a
Germany	53	40	0	28	8	1e
India	454	496	499	363	472	2d
Kazakhstan	29 113	27 500	25 595	26 895	22 967	1e
Namibia	4 308	4 981	6 514	6 459	6 382	1e
Niger	4 101	4 066	3 433	3 516	3 527	1n
Pakistan	53	53	53	53	53	2d
Romania	59	0	0	0	0	2d
Russia	3 543	3 440	3 424	3 433	3 356	1e
South Africa	450	304	231	163	131	1e
Ukraine	1 185	986	1 390	944	877	1e
United States	1 323	1 108	657	79	7	1d
Uzbekistan	3 921	4 009	4 062	4 127	4 127	1e
Total	74 638	70 402	64 083	64 278	56 269	

6.5 Share of World Mineral Production 2020, by Countries

6.5.1 Iron and Ferro-Alloy Metals

Iron (Fe-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	568 384 644	37.33	37.33	1 393.59
2	(2)	Brazil	246 790 595	16.21	53.54	262.73
3	(3)	China	225 400 000	14.80	68.34	219.16
4	(4)	India	128 308 000	8.43	76.77	71.02
5	(5)	Russia	65 372 000	4.29	81.06	18.43
6	(6)	Ukraine	49 274 000	3.24	84.30	10.47
7	(7)	South Africa	36 266 950	2.38	86.68	5.67
8	(10)	Iran	33 660 000	2.21	88.89	4.89
9	(8)	Canada	31 980 900	2.10	90.99	4.41
10	(9)	United States	24 100 000	1.58	92.58	2.51
11	(11)	Sweden	20 112 200	1.32	93.90	1.74
12	(12)	Kazakhstan	14 289 800	0.94	94.84	0.88
13	(15)	Turkey	13 087 300	0.86	95.70	0.74
14	(13)	Mexico	10 774 600	0.71	96.40	0.50
15	(16)	Chile	9 890 886	0.65	97.05	0.42
16	(14)	Peru	8 893 972	0.58	97.64	0.34
17	(17)	Mauritania	8 135 000	0.53	98.17	0.29
18	(18)	Mongolia	5 165 660	0.34	98.51	0.12
19	(21)	Malaysia	3 438 050	0.23	98.74	0.05
20	(19)	Vietnam	3 143 400	0.21	98.94	0.04
21	(20)	Liberia	2 924 600	0.19	99.14	0.04
22	(23)	New Zealand	2 260 000	0.15	99.28	0.02
23	(25)	Indonesia	1 990 900	0.13	99.41	0.02
24	(24)	Korea, North	1 640 800	0.11	99.52	0.01
25	(22)	Venezuela	1 235 000	0.08	99.60	0.01
26	(26)	Norway	1 014 700	0.07	99.67	0.00
27	(27)	Austria	973 840	0.06	99.73	0.00
28	(28)	Bosnia-Herzegovina	727 980	0.05	99.78	0.00
29	(32)	Laos	607 830	0.04	99.82	0.00
30	(**)	Guinea	418 800	0.03	99.85	0.00
31	(29)	Algeria	406 600	0.03	99.88	0.00
32	(30)	Colombia	353 950	0.02	99.90	0.00
33	(35)	Korea, South	345 140	0.02	99.92	0.00
34	(31)	Saudi Arabia	300 000	0.02	99.94	0.00
35	(33)	Egypt	270 000	0.02	99.96	0.00
36	(34)	Pakistan	218 000	0.01	99.97	0.00
37	(37)	Germany	95 500	0.01	99.98	0.00
38	(36)	Tunisia	92 800	0.01	99.99	0.00
39	(42)	Thailand	70 210	0.00	99.99	0.00
40	(40)	Congo, Rep.	33 500	0.00	99.99	0.00
41	(43)	Namibia	27 570	0.00	99.99	0.00
42	(**)	Philippines	25 700	0.00	100.00	0.00

43	(38)	Bolivia	15 410	0.00	100.00	0.00
44	(**)	Tanzania	14 200	0.00	100.00	0.00
45	(44)	Morocco	14 090	0.00	100.00	0.00
46	(39)	Bhutan	9 430	0.00	100.00	0.00
47	(46)	Malawi	3 010	0.00	100.00	0.00
48	(45)	Uruguay	1 240	0.00	100.00	0.00
49	(41)	Nigeria	100	0.00	100.00	0.00
Total			1 522 558 857	100.00		HHI 1 998

Chromium (Cr₂O₃ - Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	5 442 500	45.49	45.49	2 069.06
2	(2)	Kazakhstan	1 977 900	16.53	62.02	273.27
3	(3)	India	1 335 400	11.16	73.18	124.57
4	(4)	Turkey	1 087 400	9.09	82.27	82.60
5	(5)	Zimbabwe	572 460	4.78	87.05	22.89
6	(6)	Finland	480 870	4.02	91.07	16.15
7	(9)	Brazil	226 762	1.90	92.97	3.59
8	(7)	Albania	212 650	1.78	94.74	3.16
9	(10)	Russia	187 000	1.56	96.31	2.44
10	(8)	Oman	152 840	1.28	97.58	1.63
11	(11)	Iran	103 340	0.86	98.45	0.75
12	(13)	Papua New Guinea	52 700	0.44	98.89	0.19
13	(12)	Pakistan	48 570	0.41	99.29	0.16
14	(15)	China	31 950	0.27	99.56	0.07
15	(17)	Philippines	14 040	0.12	99.68	0.01
16	(16)	Cuba	14 000	0.12	99.79	0.01
17	(18)	Greece	12 000	0.10	99.89	0.01
18	(14)	Madagascar	6 100	0.05	99.95	0.00
19	(19)	Sudan	4 300	0.04	99.98	0.00
20	(20)	Afghanistan	2 000	0.02	100.00	0.00
21	(21)	Ethiopia	200	0.00	100.00	0.00
Total			11 964 982	100.00		HHI 2 601

Cobalt

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Congo, D.R.	86 591	67.07	67.07	4 498.07
2	(2)	Russia	9 700	7.51	74.58	56.44
3	(3)	Australia	5 630	4.36	78.94	19.02
4	(5)	Cuba	4 200	3.25	82.19	10.58
5	(4)	Canada	3 693	2.86	85.05	8.18
6	(6)	Philippines	3 600	2.79	87.84	7.77
7	(9)	Papua New Guinea	2 941	2.28	90.12	5.19
8	(10)	Morocco	2 416	1.87	91.99	3.50
9	(7)	China	2 200	1.70	93.70	2.90
10	(11)	New Caledonia	2 197	1.70	95.40	2.90

11	(12)	Finland	1 559	1.21	96.61	1.46
12	(8)	Madagascar	963	0.75	97.35	0.56
13	(16)	Zimbabwe	956	0.74	98.09	0.55
14	(14)	South Africa	897	0.69	98.79	0.48
15	(15)	United States	600	0.46	99.25	0.22
16	(13)	Zambia	367	0.28	99.54	0.08
17	(17)	Indonesia	350	0.27	99.81	0.07
18	(18)	Turkey	250	0.19	100.00	0.04
		Total	129 110	100.00		HHI 4 618

Manganese

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	5 983 000	31.04	31.04	963.33
2	(3)	Gabon	3 709 100	19.24	50.28	370.23
3	(2)	Australia	3 356 030	17.41	67.69	303.10
4	(6)	China	1 218 000	6.32	74.01	39.92
5	(7)	India	848 100	4.40	78.41	19.36
6	(4)	Ghana	825 130	4.28	82.69	18.32
7	(8)	Ukraine	698 500	3.62	86.31	13.13
8	(10)	Cote d'Ivoire	530 200	2.75	89.06	7.57
9	(5)	Brazil	493 601	2.56	91.62	6.56
10	(9)	Malaysia	362 700	1.88	93.50	3.54
11	(12)	Mexico	258 045	1.34	94.84	1.79
12	(11)	Myanmar	254 000	1.32	96.16	1.74
13	(14)	Georgia	180 900	0.94	97.10	0.88
14	(13)	Kazakhstan	164 300	0.85	97.95	0.73
15	(15)	Vietnam	121 000	0.63	98.58	0.39
16	(16)	Iran	63 580	0.33	98.91	0.11
17	(18)	Morocco	42 050	0.22	99.13	0.05
18	(17)	Turkey	35 600	0.18	99.31	0.03
19	(27)	Russia	28 200	0.15	99.46	0.02
20	(19)	Indonesia	23 500	0.12	99.58	0.01
21	(21)	Kenya	13 600	0.07	99.65	0.00
22	(24)	Zambia	12 220	0.06	99.71	0.00
23	(20)	Peru	10 120	0.05	99.77	0.00
24	(22)	Namibia	10 010	0.05	99.82	0.00
25	(25)	Romania	8 450	0.04	99.86	0.00
26	(30)	Senegal	6 580	0.03	99.90	0.00
27	(32)	Nigeria	5 850	0.03	99.93	0.00
28	(26)	Egypt	5 300	0.03	99.95	0.00
29	(28)	Bolivia	4 710	0.02	99.98	0.00
30	(23)	Oman	2 180	0.01	99.99	0.00
31	(31)	Congo, D.R.	1 000	0.01	99.99	0.00
32	(29)	Thailand	670	0.00	100.00	0.00
33	(34)	Pakistan	400	0.00	100.00	0.00
		Total	19 276 626	100.00		HHI 1 751

Molybdenum

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	95 970	33.84	33.84	1 145.29
2	(2)	Chile	59 381	20.94	54.78	438.47
3	(3)	United States	51 100	18.02	72.80	324.70
4	(4)	Peru	32 185	11.35	84.15	128.81
5	(5)	Mexico	20 577	7.26	91.41	52.65
6	(6)	Armenia	11 909	4.20	95.61	17.64
7	(8)	Iran	3 536	1.25	96.85	1.55
8	(9)	Mongolia	2 890	1.02	97.87	1.04
9	(7)	Canada	2 671	0.94	98.81	0.89
10	(10)	Russia	1 707	0.60	99.42	0.36
11	(11)	Uzbekistan	760	0.27	99.68	0.07
12	(13)	Korea, South	411	0.14	99.83	0.02
13	(14)	Kazakhstan	384	0.14	99.96	0.02
14	(12)	Korea, North	100	0.04	100.00	0.00
15	(15)	Norway	1	0.00	100.00	0.00
		Total	283 582	100.00		HHI 2 112

Nickel

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Indonesia	816 700	32.77	32.77	1 074.18
2	(2)	Philippines	328 372	13.18	45.95	173.65
3	(3)	Russia	234 100	9.39	55.35	88.26
4	(4)	New Caledonia	199 697	8.01	63.36	64.22
5	(6)	Australia	169 344	6.80	70.16	46.18
6	(5)	Canada	167 243	6.71	76.87	45.04
7	(7)	China	105 048	4.22	81.08	17.77
8	(8)	Brazil	77 133	3.10	84.18	9.58
9	(10)	Guatemala	50 600	2.03	86.21	4.12
10	(9)	Cuba	46 500	1.87	88.08	3.48
11	(13)	Finland	41 429	1.66	89.74	2.76
12	(12)	Colombia	36 094	1.45	91.19	2.10
13	(11)	South Africa	34 908	1.40	92.59	1.96
14	(15)	Papua New Guinea	33 659	1.35	93.94	1.82
15	(16)	Dominican Republic	22 005	0.88	94.82	0.78
16	(19)	Myanmar	22 000	0.88	95.70	0.78
17	(21)	Cote d'Ivoire	20 220	0.81	96.52	0.66
18	(22)	Turkey	20 200	0.81	97.33	0.66
19	(20)	United States	16 700	0.67	98.00	0.45
20	(18)	Zimbabwe	16 336	0.66	98.65	0.43
21	(14)	Madagascar	11 134	0.45	99.10	0.20
22	(17)	Greece	7 820	0.31	99.41	0.10
23	(25)	Zambia	5 712	0.23	99.64	0.05
24	(23)	Kosovo	4 180	0.17	99.81	0.03

25	(24)	Albania	3 760	0.15	99.96	0.02
26	(26)	Poland	710	0.03	99.99	0.00
27	(28)	Morocco	142	0.01	100.00	0.00
28	(27)	Norway	120	0.00	100.00	0.00
		Total	2 491 866	100.00		HHI 1 539

Niobium (Nb₂O₅-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Brazil	85 572	91.51	91.51	8 374.45
2	(2)	Canada	6 400	6.84	98.36	46.84
3	(3)	Russia	617	0.66	99.02	0.44
4	(4)	Congo, D.R.	565	0.60	99.62	0.37
5	(5)	Rwanda	160	0.17	99.79	0.03
6	(6)	Nigeria	80	0.09	99.88	0.01
7	(11)	Uganda	52	0.06	99.93	0.00
8	(7)	China	30	0.03	99.96	0.00
9	(9)	Mozambique	17	0.02	99.98	0.00
10	(8)	Ethiopia	11	0.01	99.99	0.00
11	(10)	Burundi	5	0.01	100.00	0.00
		Total	93 509	100.00		HHI 8 422

Tantalum (Ta₂O₅-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Congo, D.R.	600	35.67	35.67	1 272.48
2	(2)	Brazil	300	17.84	53.51	318.12
3	(3)	Rwanda	240	14.27	67.78	203.60
4	(4)	China	180	10.70	78.48	114.52
5	(5)	Nigeria	100	5.95	84.42	35.35
6	(7)	Mozambique	94	5.59	90.01	31.23
7	(9)	Russia	60	3.57	93.58	12.72
8	(6)	Australia	50	2.97	96.55	8.84
9	(8)	Ethiopia	41	2.44	98.99	5.94
10	(10)	Bolivia	8	0.48	99.46	0.23
11	(11)	Burundi	7	0.42	99.88	0.17
12	(12)	Malaysia	2	0.12	100.00	0.01
		Total	1 682	100.00		HHI 2 003

Titanium (TiO₂-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	2 911 800	34.56	34.56	1 194.72
2	(2)	South Africa	950 000	11.28	45.84	127.17
3	(3)	Mozambique	874 000	10.37	56.22	107.64
4	(4)	Australia	830 800	9.86	66.08	97.26
5	(5)	Ukraine	537 430	6.38	72.46	40.70
6	(6)	Canada	480 000	5.70	78.16	32.47
7	(7)	Senegal	291 740	3.46	81.62	11.99
8	(8)	Kenya	256 410	3.04	84.66	9.26
9	(10)	Norway	229 780	2.73	87.39	7.44
10	(9)	Madagascar	220 500	2.62	90.01	6.85
11	(11)	India	205 000	2.43	92.44	5.92
12	(13)	Korea, South	158 340	1.88	94.32	3.53
13	(12)	Sierra Leone	135 930	1.61	95.93	2.60
14	(14)	Vietnam	119 810	1.42	97.36	2.02
15	(15)	United States	100 000	1.19	98.54	1.41
16	(16)	Brazil	61 940	0.74	99.28	0.54
17	(17)	Kazakhstan	28 000	0.33	99.61	0.11
18	(18)	Sri Lanka	11 150	0.13	99.74	0.02
19	(19)	Malaysia	7 010	0.08	99.83	0.01
20	(20)	Turkey	6 455	0.08	99.90	0.01
21	(21)	Iran	5 000	0.06	99.96	0.00
22	(22)	Russia	3 000	0.04	100.00	0.00
23	(23)	Thailand	84	0.00	100.00	0.00
		Total	8 424 179	100.00		HHI 1 652

Tungsten (W-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	71 450	81.65	81.65	6 666.82
2	(2)	Vietnam	8 066	9.22	90.87	84.96
3	(3)	Russia	2 274	2.60	93.47	6.75
4	(6)	Bolivia	1 347	1.54	95.01	2.37
5	(5)	Rwanda	1 075	1.23	96.23	1.51
6	(7)	Austria	896	1.02	97.26	1.05
7	(8)	Portugal	553	0.63	97.89	0.40
8	(4)	Korea, North	410	0.47	98.36	0.22
9	(10)	Spain	400	0.46	98.82	0.21
10	(9)	Brazil	371	0.42	99.24	0.18
11	(13)	Burundi	166	0.19	99.43	0.04
12	(12)	Congo, D.R.	116	0.13	99.56	0.02
13	(18)	Australia	100	0.11	99.68	0.01
14	(15)	Myanmar	80	0.09	99.77	0.01
15	(19)	Thailand	57	0.07	99.83	0.00
16	(11)	Mongolia	35	0.04	99.87	0.00
17	(20)	Mexico	32	0.04	99.91	0.00

18	(17)	Zimbabwe	30	0.03	99.94	0.00
19	(16)	Uzbekistan	20	0.02	99.97	0.00
20	(21)	Nigeria	18	0.02	99.99	0.00
21	(14)	Uganda	11	0.01	100.00	0.00
Total			87 507	100.00		HHI 6 765

Vanadium (V-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	69 960	66.14	66.14	4 374.47
2	(2)	Russia	19 533	18.47	84.61	341.01
3	(3)	South Africa	8 584	8.12	92.72	65.86
4	(4)	Brazil	7 582	7.17	99.89	51.38
5	(6)	India	100	0.09	99.98	0.01
6	(5)	United States	17	0.02	100.00	0.00
Total			105 776	100.00		HHI 4 833

6.5.2 Non-Ferrous Metals

Aluminium

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	37 080 400	56.74	56.74	3 219.41
2	(2)	Russia	3 929 200	6.01	62.75	36.15
3	(3)	India	3 619 237	5.54	68.29	30.67
4	(4)	Canada	3 118 710	4.77	73.06	22.77
5	(5)	United Arab Emirates	2 505 000	3.83	76.90	14.69
6	(6)	Australia	1 585 017	2.43	79.32	5.88
7	(7)	Bahrain	1 548 500	2.37	81.69	5.61
8	(8)	Norway	1 330 000	2.04	83.73	4.14
9	(9)	United States	1 026 617	1.57	85.30	2.47
10	(11)	Malaysia	980 700	1.50	86.80	2.25
11	(10)	Saudi Arabia	796 004	1.22	88.02	1.48
12	(12)	South Africa	717 000	1.10	89.11	1.20
13	(13)	Iceland	691 989	1.06	90.17	1.12
14	(14)	Brazil	685 100	1.05	91.22	1.10
15	(15)	Qatar	631 400	0.97	92.19	0.93
16	(16)	Mozambique	571 125	0.87	93.06	0.76
17	(17)	Germany	529 056	0.81	93.87	0.66
18	(25)	Iran	424 475	0.65	94.52	0.42
19	(20)	Oman	396 929	0.61	95.13	0.37
20	(19)	France	385 240	0.59	95.72	0.35
21	(21)	New Zealand	333 314	0.51	96.23	0.26
22	(18)	Argentina	309 804	0.47	96.70	0.22
23	(23)	Romania	271 307	0.42	97.11	0.17

24	(22)	Egypt	268 000	0.41	97.53	0.17
25	(24)	Kazakhstan	265 665	0.41	97.93	0.17
26	(26)	Indonesia	220 089	0.34	98.27	0.11
27	(27)	Spain	200 000	0.31	98.57	0.09
28	(28)	Greece	181 900	0.28	98.85	0.08
29	(29)	Slovakia	151 875	0.23	99.09	0.05
30	(30)	Sweden	117 000	0.18	99.26	0.03
31	(31)	Tajikistan	84 000	0.13	99.39	0.02
32	(33)	Turkey	79 600	0.12	99.51	0.01
33	(32)	Netherlands	70 600	0.11	99.62	0.01
34	(34)	Slovenia	50 185	0.08	99.70	0.01
35	(36)	Cameroon	47 500	0.07	99.77	0.01
36	(37)	Ghana	37 566	0.06	99.83	0.00
37	(39)	Montenegro	37 208	0.06	99.89	0.00
38	(38)	United Kingdom	35 700	0.05	99.94	0.00
39	(40)	Azerbaijan	28 560	0.04	99.98	0.00
40	(41)	Venezuela	9 996	0.02	100.00	0.00
		Total	65 351 568	100.00		HHI 3 354

Antimony

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	60 995	47.68	47.68	2 273.73
2	(2)	Tajikistan	32 000	25.02	72.70	625.82
3	(3)	Russia	17 532	13.71	86.41	187.85
4	(4)	Myanmar	6 600	5.16	91.57	26.62
5	(7)	Australia	3 903	3.05	94.62	9.31
6	(6)	Bolivia	2 629	2.06	96.67	4.22
7	(5)	Turkey	2 570	2.01	98.68	4.04
8	(9)	Iran	1 065	0.83	99.51	0.69
9	(8)	Vietnam	387	0.30	99.82	0.09
10	(10)	Mexico	136	0.11	99.92	0.01
11	(11)	Guatemala	50	0.04	99.96	0.00
12	(13)	Kyrgyzstan	20	0.02	99.98	0.00
13	(**)	Pakistan	17	0.01	99.99	0.00
14	(14)	Honduras	10	0.01	100.00	0.00
15	(15)	Canada	2	0.00	100.00	0.00
		Total	127 916	100.00		HHI 3 132

Arsenic

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(2)	China	24 000	46.24	46.24	2 138.56
2	(1)	Peru	19 014	36.64	82.88	1 342.29
3	(3)	Morocco	7 694	14.83	97.71	219.79
4	(4)	Belgium	1 000	1.93	99.63	3.71

5	(6)	Russia	100	0.19	99.83	0.04
6	(5)	Bolivia	50	0.10	99.92	0.01
7	(7)	Japan	40	0.08	100.00	0.01
		Total	51 898	100.00		HHI 3 704

Bauxite (crude ore)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	103 626 811	27.34	27.34	747.51
2	(3)	Guinea	87 766 199	23.16	50.50	536.20
3	(2)	China	70 000 000	18.47	68.97	341.09
4	(4)	Brazil	32 897 800	8.68	77.64	75.34
5	(6)	Indonesia	25 859 895	6.82	84.47	46.55
6	(5)	India	20 368 665	5.37	89.84	28.88
7	(7)	Jamaica	7 546 139	1.99	91.83	3.96
8	(8)	Russia	6 647 000	1.75	93.59	3.08
9	(9)	Saudi Arabia	5 243 000	1.38	94.97	1.91
10	(10)	Kazakhstan	4 057 800	1.07	96.04	1.15
11	(11)	Vietnam	3 610 000	0.95	96.99	0.91
12	(12)	Turkey	2 399 680	0.63	97.63	0.40
13	(15)	Greece	1 428 631	0.38	98.00	0.14
14	(14)	Sierra Leone	1 342 139	0.35	98.36	0.13
15	(17)	Ghana	1 162 086	0.31	98.66	0.09
16	(20)	Iran	1 042 325	0.28	98.94	0.08
17	(16)	Solomon Islands	841 890	0.22	99.16	0.05
18	(21)	Montenegro	791 813	0.21	99.37	0.04
19	(18)	Bosnia-Herzegovina	619 748	0.16	99.53	0.03
20	(13)	Guyana	595 943	0.16	99.69	0.02
21	(19)	Malaysia	594 715	0.16	99.85	0.02
22	(**)	Cote d'Ivoire	272 295	0.07	99.92	0.01
23	(23)	France	124 000	0.03	99.95	0.00
24	(24)	Pakistan	101 047	0.03	99.98	0.00
25	(**)	Tanzania	25 995	0.01	99.99	0.00
26	(22)	United States	16 440	0.00	99.99	0.00
27	(27)	Croatia	14 084	0.00	99.99	0.00
28	(26)	Colombia	9 595	0.00	100.00	0.00
29	(**)	Dominican Republic	9 475	0.00	100.00	0.00
30	(28)	Mozambique	6 491	0.00	100.00	0.00
		Total	379 021 701	100.00		HHI 1 788

Beryllium (concentrates)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	4 160	68.71	68.71	4 721.74
2	(2)	China	1 750	28.91	97.62	835.59
3	(**)	Mozambique	80	1.32	98.94	1.75
4	(3)	Madagascar	30	0.50	99.44	0.25
5	(4)	Rwanda	20	0.33	99.77	0.11

6	(5)	Brazil	10	0.17	99.93	0.03
7	(6)	Zambia	2	0.03	99.97	0.00
8	(7)	Nigeria	2	0.03	100.00	0.00
Total			6 054	100.00		HHI 5 559

Bismuth

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	7 500	78.84	78.84	6 215.66
2	(2)	Vietnam	993	10.44	89.28	108.96
3	(3)	Japan	570	5.99	95.27	35.90
4	(5)	Kazakhstan	270	2.84	98.11	8.06
5	(6)	Peru	74	0.78	98.89	0.61
6	(**)	Bolivia	55	0.58	99.46	0.33
7	(7)	Russia	45	0.47	99.94	0.22
8	(8)	Canada	4	0.04	99.98	0.00
9	(9)	Uzbekistan	2	0.02	100.00	0.00
Total			9 513	100.00		HHI 6 370

Cadmium

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	10 000	40.05	40.05	1 603.85
2	(2)	Korea, South	4 100	16.42	56.47	269.61
3	(4)	Japan	1 880	7.53	64.00	56.69
4	(3)	Canada	1 800	7.21	71.21	51.96
5	(5)	Kazakhstan	1 500	6.01	77.21	36.09
6	(6)	Russia	1 000	4.00	81.22	16.04
7	(7)	Mexico	978	3.92	85.13	15.34
8	(8)	Netherlands	880	3.52	88.66	12.42
9	(10)	Germany	500	2.00	90.66	4.01
10	(9)	Peru	451	1.81	92.47	3.26
11	(14)	Uzbekistan	450	1.80	94.27	3.25
12	(15)	United States	400	1.60	95.87	2.57
13	(12)	Norway	344	1.38	97.25	1.90
14	(13)	Bulgaria	311	1.25	98.49	1.55
15	(17)	Korea, North	150	0.60	99.09	0.36
16	(11)	Brazil	100	0.40	99.50	0.16
17	(16)	Poland	80	0.32	99.82	0.10
18	(18)	Argentina	46	0.18	100.00	0.03
Total			24 970	100.00		HHI 2 079

Copper

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Chile	5 733 100	27.58	27.58	760.57
2	(2)	Peru	2 150 126	10.34	37.92	106.98
3	(3)	China	1 718 940	8.27	46.19	68.37
4	(4)	Congo, D.R.	1 712 964	8.24	54.43	67.90
5	(5)	United States	1 200 000	5.77	60.20	33.32
6	(7)	Russia	924 100	4.45	64.65	19.76
7	(8)	Zambia	882 061	4.24	68.89	18.00
8	(6)	Australia	879 522	4.23	73.12	17.90
9	(9)	Mexico	800 316	3.85	76.97	14.82
10	(10)	Kazakhstan	548 760	2.64	79.61	6.97
11	(14)	Indonesia	505 200	2.43	82.04	5.91
12	(11)	Canada	475 898	2.29	84.33	5.24
13	(12)	Poland	392 700	1.89	86.22	3.57
14	(13)	Brazil	352 635	1.70	87.92	2.88
15	(15)	Iran	313 323	1.51	89.42	2.27
16	(16)	Mongolia	291 010	1.40	90.82	1.96
17	(19)	Panama	205 548	0.99	91.81	0.98
18	(17)	Myanmar	196 500	0.95	92.76	0.89
19	(18)	Spain	190 300	0.92	93.67	0.84
20	(21)	Uzbekistan	142 800	0.69	94.36	0.47
21	(22)	Bulgaria	107 610	0.52	94.88	0.27
22	(26)	Turkey	107 000	0.51	95.39	0.26
23	(24)	Sweden	100 065	0.48	95.87	0.23
24	(20)	Laos	92 410	0.44	96.32	0.20
25	(25)	Armenia	83 291	0.40	96.72	0.16
26	(23)	Papua New Guinea	82 841	0.40	97.12	0.16
27	(28)	Saudi Arabia	79 060	0.38	97.50	0.14
28	(27)	Philippines	60 856	0.29	97.79	0.09
29	(30)	Serbia	52 207	0.25	98.04	0.06
30	(42)	Ecuador	49 700	0.24	98.28	0.06
31	(35)	Vietnam	37 990	0.18	98.46	0.03
32	(32)	Finland	36 278	0.17	98.64	0.03
33	(31)	Portugal	32 230	0.16	98.79	0.02
34	(33)	Morocco	31 750	0.15	98.95	0.02
35	(29)	South Africa	29 068	0.14	99.09	0.02
36	(34)	Mauritania	28 491	0.14	99.22	0.02
37	(36)	India	25 770	0.12	99.35	0.02
38	(38)	Eritrea	21 725	0.10	99.45	0.01
39	(39)	Namibia	15 741	0.08	99.53	0.01
40	(41)	Pakistan	13 200	0.06	99.59	0.00
41	(40)	Tanzania	11 700	0.06	99.65	0.00
42	(37)	Congo, Rep.	10 300	0.05	99.70	0.00
43	(43)	Georgia	10 000	0.05	99.74	0.00
44	(48)	Colombia	9 356	0.05	99.79	0.00
45	(44)	Romania	9 130	0.04	99.83	0.00
46	(45)	Zimbabwe	7 933	0.04	99.87	0.00
47	(49)	North Macedonia	6 625	0.03	99.90	0.00
48	(46)	Kyrgyzstan	6 500	0.03	99.93	0.00
49	(51)	Albania	3 070	0.01	99.95	0.00
50	(52)	Bolivia	2 822	0.01	99.96	0.00
51	(53)	Azerbaijan	2 591	0.01	99.97	0.00
52	(50)	Dominican Republic	2 193	0.01	99.99	0.00

53	(54)	Korea, North	2 000	0.01	99.99	0.00
54	(47)	Tajikistan	1 000	0.00	100.00	0.00
55	(56)	Germany	37	0.00	100.00	0.00
56	(57)	Slovakia	20	0.00	100.00	0.00
		Total	20 788 363	100.00		HHI 1 141

Gallium

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	290	95.39	95.39	9 100.16
2	(2)	Russia	5	1.64	97.04	2.71
3	(3)	Ukraine	4	1.32	98.36	1.73
4	(4)	Japan	3	0.99	99.34	0.97
5	(5)	Korea, South	2	0.66	100.00	0.43
		Total	304	100.00		HHI 9 106

Germanium

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	86	89.58	89.58	8 025.17
2	(2)	Russia	5	5.21	94.79	27.13
3	(3)	Japan	2	2.08	96.88	4.34
4	(4)	United States	2	2.08	98.96	4.34
5	(5)	Ukraine	1	1.04	100.00	1.09
		Total	96	100.00		HHI 8 062

Indium

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	528	55.93	55.93	3 128.41
2	(2)	Korea, South	210	22.25	78.18	494.87
3	(3)	Japan	66	6.99	85.17	48.88
4	(4)	Canada	63	6.67	91.84	44.54
5	(5)	France	40	4.24	96.08	17.95
6	(6)	Belgium	20	2.12	98.20	4.49
7	(8)	Russia	10	1.06	99.26	1.12
8	(7)	Peru	7	0.74	100.00	0.55
		Total	944	100.00		HHI 3 741

Lead

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 969 000	41.49	41.49	1 721.23
2	(2)	Australia	494 271	10.41	51.90	108.46
3	(3)	Mexico	468 486	9.87	61.77	97.44
4	(5)	United States	306 000	6.45	68.22	41.57
5	(4)	Peru	241 548	5.09	73.31	25.90
6	(7)	India	208 510	4.39	77.70	19.30
7	(6)	Russia	200 700	4.23	81.93	17.88
8	(9)	Iran	81 800	1.72	83.66	2.97
9	(10)	Turkey	81 520	1.72	85.37	2.95
10	(11)	Sweden	65 402	1.38	86.75	1.90
11	(8)	Bolivia	64 619	1.36	88.11	1.85
12	(14)	Poland	46 790	0.99	89.10	0.97
13	(15)	North Macedonia	44 930	0.95	90.05	0.90
14	(12)	Tajikistan	41 630	0.88	90.92	0.77
15	(20)	Morocco	38 190	0.80	91.73	0.65
16	(13)	Kazakhstan	30 200	0.64	92.36	0.40
17	(18)	Cuba	30 000	0.63	93.00	0.40
18	(21)	Portugal	28 178	0.59	93.59	0.35
19	(17)	South Africa	28 048	0.59	94.18	0.35
20	(19)	Myanmar	27 290	0.58	94.76	0.33
21	(22)	Korea, North	24 000	0.51	95.26	0.26
22	(16)	Argentina	23 008	0.48	95.75	0.24
23	(24)	Bulgaria	20 680	0.44	96.18	0.19
24	(23)	Nigeria	20 100	0.42	96.61	0.18
25	(28)	Greece	19 717	0.42	97.02	0.17
26	(26)	Uzbekistan	18 400	0.39	97.41	0.15
27	(27)	Ireland	14 401	0.30	97.71	0.09
28	(30)	Vietnam	13 980	0.29	98.01	0.09
29	(31)	Honduras	13 400	0.28	98.29	0.08
30	(29)	Mongolia	12 400	0.26	98.55	0.07
31	(32)	Spain	11 650	0.25	98.80	0.06
32	(37)	Namibia	8 890	0.19	98.98	0.04
33	(34)	Serbia	8 420	0.18	99.16	0.03
34	(33)	Indonesia	7 590	0.16	99.32	0.03
35	(35)	Pakistan	7 094	0.15	99.47	0.02
36	(36)	Bosnia-Herzegovina	6 110	0.13	99.60	0.02
37	(38)	Brazil	5 351	0.11	99.71	0.01
38	(39)	Kosovo	3 870	0.08	99.79	0.01
39	(25)	Canada	3 770	0.08	99.87	0.01
40	(41)	Korea, South	1 680	0.04	99.91	0.00
41	(42)	Finland	1 532	0.03	99.94	0.00
42	(48)	Chile	1 386	0.03	99.97	0.00
43	(40)	Montenegro	640	0.01	99.98	0.00
44	(43)	Romania	510	0.01	99.99	0.00
45	(47)	Slovakia	102	0.00	100.00	0.00
46	(46)	United Kingdom	100	0.00	100.00	0.00
47	(45)	Laos	90	0.00	100.00	0.00
		Total	4 745 983	100.00		HHI 2 048

Lithium (Li₂O-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	88 550	47.65	47.65	2 270.14
2	(2)	Chile	49 730	26.76	74.40	716.00
3	(3)	China	28 800	15.50	89.90	240.14
4	(4)	Argentina	12 620	6.79	96.69	46.11
5	(6)	Brazil	3 710	2.00	98.69	3.98
6	(7)	United States	1 220	0.66	99.34	0.43
7	(5)	Zimbabwe	860	0.46	99.81	0.21
8	(9)	Portugal	280	0.15	99.96	0.02
9	(10)	Bolivia	80	0.04	100.00	0.00
		Total	185 850	100.00		HHI 3 277

Mercury

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 993	87.03	87.03	7 574.32
2	(2)	Tajikistan	160	6.99	94.02	48.82
3	(3)	Mexico	70	3.06	97.07	9.34
4	(4)	Russia	30	1.31	98.38	1.72
5	(6)	Kyrgyzstan	20	0.87	99.26	0.76
6	(7)	United States	15	0.66	99.91	0.43
7	(8)	Morocco	2	0.09	100.00	0.01
		Total	2 290	100.00		HHI 7 635

Rare Earth Minerals (REO-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	140 000	62.15	62.15	3 862.09
2	(2)	United States	39 000	17.31	79.46	299.71
3	(4)	Myanmar	21 000	9.32	88.78	86.90
4	(3)	Australia	19 440	8.63	97.41	74.47
5	(5)	Russia	2 663	1.18	98.59	1.40
6	(6)	India	2 100	0.93	99.52	0.87
7	(7)	Brazil	708	0.31	99.84	0.10
8	(8)	Burundi	296	0.13	99.97	0.02
9	(9)	Malaysia	70	0.03	100.00	0.00
		Total	225 277	100.00		HHI 4 326

Rhenium

Rank 2020	Rank 2019	Country	Production 2020 kg	Share in %	Share cum. %	Share HHI
1	(1)	Chile	14 549	39.62	39.62	1 569.95
2	(2)	United States	8 830	24.05	63.67	578.28
3	(3)	Poland	6 580	17.92	81.59	321.12
4	(4)	China	2 500	6.81	88.40	46.36
5	(5)	Russia	2 000	5.45	93.85	29.67
6	(7)	Uzbekistan	1 000	2.72	96.57	7.42
7	(6)	Kazakhstan	1 000	2.72	99.29	7.42
8	(8)	Armenia	260	0.71	100.00	0.50
		Total	36 719	100.00		HHI 2 561

Selenium

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 120	33.59	33.59	1 128.51
2	(2)	Japan	740	22.20	55.79	492.64
3	(3)	Germany	300	9.00	64.79	80.97
4	(4)	Belgium	200	6.00	70.79	35.99
5	(5)	Russia	195	5.85	76.63	34.21
6	(6)	United States	150	4.50	81.13	20.24
7	(7)	Mexico	106	3.18	84.31	10.11
8	(9)	Canada	102	3.06	87.37	9.36
9	(10)	Philippines	100	3.00	90.37	9.00
10	(8)	Finland	84	2.52	92.89	6.35
11	(11)	Poland	74	2.22	95.11	4.93
12	(12)	Peru	53	1.59	96.70	2.53
13	(13)	Sweden	50	1.50	98.20	2.25
14	(14)	Uzbekistan	40	1.20	99.40	1.44
15	(16)	India	10	0.30	99.70	0.09
16	(15)	Serbia	10	0.30	100.00	0.09
		Total	3 334	100.00		HHI 1 839

Tellurium

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	260	58.56	58.56	3 429.10
2	(2)	Japan	70	15.77	74.32	248.56
3	(3)	Sweden	42	9.46	83.78	89.48
4	(4)	Russia	40	9.01	92.79	81.16
5	(5)	Canada	23	5.18	97.97	26.83

6	(6)	Bulgaria	4	0.90	98.87	0.81
7	(7)	Uzbekistan	3	0.68	99.55	0.46
8	(8)	United States	2	0.45	100.00	0.20
		Total	444	100.00		HHI 3 877

Tin

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	94 460	34.07	34.07	1 160.44
2	(2)	Indonesia	52 617	18.98	53.04	360.06
3	(3)	Myanmar	33 440	12.06	65.10	145.43
4	(4)	Peru	20 647	7.45	72.55	55.44
5	(6)	Brazil	16 893	6.09	78.64	37.11
6	(5)	Bolivia	14 709	5.30	83.94	28.14
7	(7)	Congo, D.R.	14 670	5.29	89.23	27.99
8	(8)	Australia	8 118	2.93	92.16	8.57
9	(10)	Vietnam	6 798	2.45	94.61	6.01
10	(9)	Nigeria	5 970	2.15	96.77	4.64
11	(11)	Malaysia	2 961	1.07	97.83	1.14
12	(13)	Russia	2 559	0.92	98.76	0.85
13	(12)	Rwanda	2 030	0.73	99.49	0.54
14	(14)	Laos	600	0.22	99.70	0.05
15	(24)	Namibia	242	0.09	99.79	0.01
16	(18)	Thailand	198	0.07	99.86	0.01
17	(15)	Burundi	121	0.04	99.91	0.00
18	(16)	Portugal	104	0.04	99.94	0.00
19	(17)	Spain	96	0.03	99.98	0.00
20	(21)	Tanzania	35	0.01	99.99	0.00
21	(23)	India	13	0.00	100.00	0.00
22	(19)	Colombia	10	0.00	100.00	0.00
		Total	277 291	100.00		HHI 1 836

Zinc

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	4 058 000	32.19	32.19	1 035.88
2	(2)	Peru	1 334 570	10.58	42.77	112.04
3	(3)	Australia	1 314 910	10.43	53.20	108.76
4	(4)	Mexico	1 008 252	8.00	61.20	63.95
5	(6)	India	751 400	5.96	67.16	35.52
6	(5)	United States	718 000	5.69	72.85	32.43
7	(7)	Bolivia	358 411	2.84	75.69	8.08
8	(8)	Kazakhstan	310 400	2.46	78.15	6.06
9	(10)	Russia	260 700	2.07	80.22	4.28
10	(11)	Sweden	234 811	1.86	82.08	3.47
11	(12)	Iran	215 200	1.71	83.79	2.91
12	(9)	Canada	210 707	1.67	85.46	2.79
13	(14)	Portugal	176 849	1.40	86.87	1.97

14	(13)	Brazil	174 490	1.38	88.25	1.92
15	(16)	South Africa	160 816	1.28	89.52	1.63
16	(15)	Turkey	136 300	1.08	90.61	1.17
17	(18)	Ireland	127 008	1.01	91.61	1.01
18	(19)	Eritrea	121 930	0.97	92.58	0.94
19	(21)	Spain	90 400	0.72	93.30	0.51
20	(20)	Burkina Faso	78 990	0.63	93.92	0.39
21	(17)	Namibia	62 260	0.49	94.42	0.24
22	(23)	Finland	61 213	0.49	94.90	0.24
23	(24)	Cuba	57 730	0.46	95.36	0.21
24	(22)	Tajikistan	54 720	0.43	95.79	0.19
25	(27)	Poland	43 000	0.34	96.14	0.12
26	(26)	Mongolia	38 150	0.30	96.44	0.09
27	(29)	Uzbekistan	37 200	0.30	96.73	0.09
28	(25)	Morocco	35 810	0.28	97.02	0.08
29	(28)	Pakistan	35 054	0.28	97.30	0.08
30	(30)	Saudi Arabia	33 500	0.27	97.56	0.07
31	(31)	North Macedonia	31 750	0.25	97.81	0.06
32	(32)	Honduras	30 200	0.24	98.05	0.06
33	(45)	Chile	28 662	0.23	98.28	0.05
34	(35)	Greece	28 090	0.22	98.50	0.05
35	(34)	Nigeria	26 880	0.21	98.72	0.05
36	(33)	Korea, North	25 000	0.20	98.91	0.04
37	(36)	Indonesia	20 020	0.16	99.07	0.03
38	(38)	Bulgaria	17 520	0.14	99.21	0.02
39	(50)	Congo, D.R.	15 305	0.12	99.33	0.01
40	(43)	Serbia	11 480	0.09	99.42	0.01
41	(37)	Argentina	11 320	0.09	99.51	0.01
42	(39)	Myanmar	11 310	0.09	99.60	0.01
43	(40)	Vietnam	10 900	0.09	99.69	0.01
44	(41)	Montenegro	10 130	0.08	99.77	0.01
45	(44)	Armenia	8 684	0.07	99.84	0.00
46	(42)	Bosnia-Herzegovina	6 610	0.05	99.89	0.00
47	(48)	Korea, South	4 250	0.03	99.93	0.00
48	(49)	Kosovo	3 890	0.03	99.96	0.00
49	(46)	Dominican Republic	2 361	0.02	99.97	0.00
50	(47)	Congo, Rep.	1 100	0.01	99.98	0.00
51	(53)	Algeria	1 000	0.01	99.99	0.00
52	(52)	Laos	860	0.01	100.00	0.00
53	(51)	Romania	100	0.00	100.00	0.00
54	(54)	Slovakia	96	0.00	100.00	0.00
Total			12 608 299	100.00		HHI 1 428

6.5.3 Precious Metals

Gold

Rank 2020	Rank 2019	Country	Production 2020 kg	Share in %	Share cum. %	Share HHI
1	(1)	China	365 340	11.37	11.37	129.31
2	(2)	Australia	327 889	10.21	21.58	104.16
3	(3)	Russia	308 560	9.60	31.18	92.24
4	(4)	United States	193 400	6.02	37.20	36.24

5	(5)	Canada	182 352	5.68	42.88	32.21
6	(7)	Mexico	142 787	4.44	47.32	19.75
7	(6)	Ghana	125 114	3.89	51.22	15.17
8	(10)	Kazakhstan	116 964	3.64	54.86	13.25
9	(12)	Uzbekistan	104 600	3.26	58.11	10.60
10	(13)	Brazil	98 922	3.08	61.19	9.48
11	(11)	South Africa	95 887	2.98	64.17	8.91
12	(28)	Guinea	91 798	2.86	67.03	8.16
13	(8)	Peru	88 054	2.74	69.77	7.51
14	(15)	Mali	71 200	2.22	71.99	4.91
15	(9)	Indonesia	66 190	2.06	74.05	4.24
16	(18)	Burkina Faso	62 138	1.93	75.98	3.74
17	(19)	Tanzania	55 805	1.74	77.72	3.02
18	(14)	Papua New Guinea	52 510	1.63	79.35	2.67
19	(23)	Colombia	48 561	1.51	80.87	2.28
20	(21)	Turkey	42 100	1.31	82.18	1.72
21	(25)	Cote d'Ivoire	38 523	1.20	83.38	1.44
22	(16)	Sudan	35 700	1.11	84.49	1.23
23	(17)	Argentina	34 936	1.09	85.57	1.18
24	(22)	Chile	33 895	1.05	86.63	1.11
25	(24)	Congo, D.R.	29 597	0.92	87.55	0.85
26	(26)	Dominican Republic	28 154	0.88	88.43	0.77
27	(30)	Kyrgyzstan	24 150	0.75	89.18	0.57
28	(20)	Bolivia	23 207	0.72	89.90	0.52
29	(29)	Suriname	21 214	0.66	90.56	0.44
30	(27)	Zimbabwe	20 873	0.65	91.21	0.42
31	(33)	Mongolia	20 226	0.63	91.84	0.40
32	(32)	Guyana	18 209	0.57	92.41	0.32
33	(31)	Philippines	17 564	0.55	92.95	0.30
34	(36)	Mauritania	14 125	0.44	93.39	0.19
35	(34)	Egypt	14 069	0.44	93.83	0.19
36	(37)	Saudi Arabia	13 222	0.41	94.24	0.17
37	(35)	Senegal	12 408	0.39	94.63	0.15
38	(38)	Korea, North	10 000	0.31	94.94	0.10
39	(47)	Bulgaria	9 349	0.29	95.23	0.08
40	(50)	Ecuador	9 086	0.28	95.51	0.08
41	(40)	Venezuela	9 000	0.28	95.79	0.08
42	(44)	Tajikistan	8 764	0.27	96.07	0.07
43	(46)	Finland	8 668	0.27	96.34	0.07
44	(45)	Sweden	8 249	0.26	96.59	0.07
45	(39)	Nicaragua	7 935	0.25	96.84	0.06
46	(49)	Japan	7 590	0.24	97.08	0.06
47	(61)	Ethiopia	7 500	0.23	97.31	0.05
48	(43)	Iran	6 919	0.22	97.53	0.05
49	(48)	Namibia	6 718	0.21	97.73	0.04
50	(53)	Laos	6 250	0.19	97.93	0.04
51	(42)	New Zealand	5 860	0.18	98.11	0.03
52	(51)	Armenia	5 317	0.17	98.28	0.03
53	(57)	Georgia	4 768	0.15	98.43	0.02
54	(54)	Liberia	4 396	0.14	98.56	0.02
55	(55)	Zambia	3 994	0.12	98.69	0.02
56	(58)	Azerbaijan	3 635	0.11	98.80	0.01
57	(94)	Uganda	3 205	0.10	98.90	0.01
58	(62)	Eritrea	3 019	0.09	98.99	0.01
59	(68)	Panama	2 633	0.08	99.08	0.01
60	(52)	Niger	2 361	0.07	99.15	0.01
61	(63)	Greece	2 177	0.07	99.22	0.00
62	(66)	Togo	2 000	0.06	99.28	0.00
63	(65)	Rwanda	2 000	0.06	99.34	0.00
64	(60)	Honduras	1 963	0.06	99.40	0.00
65	(59)	Malaysia	1 716	0.05	99.46	0.00
66	(67)	Spain	1 609	0.05	99.51	0.00

67	(70)	Serbia	1 550	0.05	99.55	0.00
68	(41)	Nigeria	1 520	0.05	99.60	0.00
69	(64)	Madagascar	1 517	0.05	99.65	0.00
70	(69)	India	1 127	0.04	99.68	0.00
71	(71)	Fiji	1 045	0.03	99.72	0.00
72	(72)	French Guiana	989	0.03	99.75	0.00
73	(74)	Poland	878	0.03	99.77	0.00
74	(84)	Myanmar	871	0.03	99.80	0.00
75	(76)	Burundi	863	0.03	99.83	0.00
76	(73)	Botswana	851	0.03	99.85	0.00
77	(77)	Vietnam	618	0.02	99.87	0.00
78	(56)	Costa Rica	600	0.02	99.89	0.00
79	(78)	Romania	500	0.02	99.91	0.00
80	(79)	Mozambique	488	0.02	99.92	0.00
81	(75)	North Macedonia	448	0.01	99.94	0.00
82	(81)	Central African Republic	401	0.01	99.95	0.00
83	(83)	Cameroon	400	0.01	99.96	0.00
84	(82)	Slovakia	336	0.01	99.97	0.00
85	(86)	Korea, South	188	0.01	99.98	0.00
86	(80)	Kenya	150	0.00	99.98	0.00
87	(87)	Congo, Rep.	150	0.00	99.99	0.00
88	(85)	Morocco	143	0.00	99.99	0.00
89	(92)	Cyprus	61	0.00	99.99	0.00
90	(90)	Algeria	58	0.00	100.00	0.00
91	(88)	Gabon	55	0.00	100.00	0.00
92	(91)	United Kingdom	28	0.00	100.00	0.00
93	(89)	Sierra Leone	25	0.00	100.00	0.00
94	(93)	Germany	10	0.00	100.00	0.00
95	(97)	Benin	5	0.00	100.00	0.00
96	(95)	Taiwan	3	0.00	100.00	0.00
97	(96)	Eswatini	1	0.00	100.00	0.00
Total			3 212 803	100.00		HHI 521

Palladium

Rank 2020	Rank 2019	Country	Production 2020 kg	Share in %	Share cum. %	Share HHI
1	(1)	Russia	81 990	41.02	41.02	1 682.24
2	(2)	South Africa	66 264	33.15	74.16	1 098.81
3	(3)	Canada	21 430	10.72	84.88	114.92
4	(4)	United States	14 555	7.28	92.16	53.01
5	(5)	Zimbabwe	12 890	6.45	98.61	41.58
6	(6)	China	1 300	0.65	99.26	0.42
7	(7)	Finland	858	0.43	99.69	0.18
8	(8)	Australia	420	0.21	99.90	0.04
9	(9)	Serbia	100	0.05	99.95	0.00
10	(10)	Uzbekistan	91	0.05	100.00	0.00
11	(11)	Poland	4	0.00	100.00	0.00
Total			199 902	100.00		HHI 2 991

Platinum

Rank 2020	Rank 2019	Country	Production 2020 kg	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	111 993	67.62	67.62	4 572.58
2	(2)	Russia	21 740	13.13	80.75	172.31
3	(3)	Zimbabwe	15 004	9.06	89.81	82.07
4	(4)	Canada	8 360	5.05	94.85	25.48
5	(5)	United States	4 203	2.54	97.39	6.44
6	(6)	China	2 500	1.51	98.90	2.28
7	(7)	Finland	1 277	0.77	99.67	0.59
8	(8)	Colombia	414	0.25	99.92	0.06
9	(9)	Australia	100	0.06	99.98	0.00
10	(10)	Serbia	22	0.01	100.00	0.00
11	(11)	Poland	6	0.00	100.00	0.00
		Total	165 619	100.00		HHI 4 862

Rhodium

Rank 2020	Rank 2019	Country	Production 2020 kg	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	16 972	80.93	80.93	6 550.42
2	(2)	Russia	1 800	8.58	89.52	73.68
3	(3)	Zimbabwe	1 368	6.52	96.04	42.56
4	(4)	Canada	730	3.48	99.52	12.12
5	(5)	United States	100	0.48	100.00	0.23
		Total	20 970	100.00		HHI 6 679

Silver

Rank 2020	Rank 2019	Country	Production 2020 kg	Share in %	Share cum. %	Share HHI
1	(1)	Mexico	7 424 554	28.29	28.29	800.11
2	(3)	China	3 377 800	12.87	41.16	165.61
3	(2)	Peru	2 723 879	10.38	51.53	107.69
4	(6)	Chile	1 575 794	6.00	57.54	36.04
5	(4)	Russia	1 380 000	5.26	62.79	27.64
6	(5)	Australia	1 337 344	5.10	67.89	25.96
7	(7)	Poland	1 218 000	4.64	72.53	21.53
8	(10)	Kazakhstan	1 035 181	3.94	76.47	15.55
9	(11)	United States	1 030 000	3.92	80.40	15.40
10	(8)	Bolivia	929 909	3.54	83.94	12.55
11	(9)	Argentina	767 087	2.92	86.86	8.54
12	(12)	India	705 795	2.69	89.55	7.23
13	(14)	Sweden	400 929	1.53	91.08	2.33
14	(13)	Indonesia	338 100	1.29	92.37	1.66
15	(15)	Canada	289 871	1.10	93.47	1.22
16	(18)	Uzbekistan	196 000	0.75	94.22	0.56

17	(17)	Morocco	189 220	0.72	94.94	0.52
18	(19)	Papua New Guinea	130 635	0.50	95.44	0.25
19	(16)	Turkey	98 270	0.37	95.81	0.14
20	(21)	Portugal	95 954	0.37	96.18	0.13
21	(20)	Dominican Republic	87 889	0.33	96.51	0.11
22	(23)	Spain	78 300	0.30	96.81	0.09
23	(22)	Mongolia	77 762	0.30	97.11	0.09
24	(29)	Eritrea	65 284	0.25	97.35	0.06
25	(31)	Finland	54 833	0.21	97.56	0.04
26	(32)	Greece	50 301	0.19	97.76	0.04
27	(25)	Korea, North	50 000	0.19	97.95	0.04
28	(26)	Iran	50 000	0.19	98.14	0.04
29	(27)	Brazil	50 000	0.19	98.33	0.04
30	(33)	Panama	49 628	0.19	98.52	0.04
31	(28)	Honduras	40 400	0.15	98.67	0.02
32	(30)	Bulgaria	39 126	0.15	98.82	0.02
33	(24)	South Africa	38 148	0.15	98.96	0.02
34	(34)	Laos	25 640	0.10	99.06	0.01
35	(35)	Philippines	24 024	0.09	99.15	0.01
36	(39)	Nicaragua	20 186	0.08	99.23	0.01
37	(42)	Colombia	19 948	0.08	99.31	0.01
38	(38)	Armenia	19 493	0.07	99.38	0.01
39	(37)	Romania	18 000	0.07	99.45	0.00
40	(36)	Kyrgyzstan	16 127	0.06	99.51	0.00
41	(40)	North Macedonia	16 090	0.06	99.57	0.00
42	(41)	Serbia	15 900	0.06	99.63	0.00
43	(43)	Tanzania	13 187	0.05	99.68	0.00
44	(44)	Tajikistan	11 350	0.04	99.73	0.00
45	(48)	Burkina Faso	10 012	0.04	99.76	0.00
46	(45)	Azerbaijan	7 590	0.03	99.79	0.00
47	(46)	Namibia	7 520	0.03	99.82	0.00
48	(47)	Saudi Arabia	7 479	0.03	99.85	0.00
49	(49)	Korea, South	7 185	0.03	99.88	0.00
50	(50)	Georgia	5 467	0.02	99.90	0.00
51	(54)	Japan	4 192	0.02	99.91	0.00
52	(53)	Germany	4 000	0.02	99.93	0.00
53	(55)	Congo, D.R.	3 400	0.01	99.94	0.00
54	(56)	Mali	3 000	0.01	99.95	0.00
55	(52)	Ghana	3 000	0.01	99.97	0.00
56	(57)	Ecuador	1 792	0.01	99.97	0.00
57	(51)	New Zealand	1 393	0.01	99.98	0.00
58	(60)	Senegal	1 090	0.00	99.98	0.00
59	(61)	Ethiopia	1 000	0.00	99.99	0.00
60	(59)	Sudan	1 000	0.00	99.99	0.00
61	(58)	Ireland	918	0.00	99.99	0.00
62	(62)	Fiji	518	0.00	99.99	0.00
63	(68)	Cyprus	486	0.00	100.00	0.00
64	(63)	Malaysia	400	0.00	100.00	0.00
65	(65)	Slovakia	269	0.00	100.00	0.00
66	(67)	Niger	120	0.00	100.00	0.00
67	(66)	United Kingdom	100	0.00	100.00	0.00
68	(69)	Algeria	20	0.00	100.00	0.00
		Total	26 247 889	100.00		HHI 1 251

6.5.4 Industrial Minerals

Asbestos

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Russia	750 000	63.86	63.86	4 078.01
2	(2)	Kazakhstan	227 400	19.36	83.22	374.89
3	(3)	China	120 000	10.22	93.44	104.40
4	(4)	Brazil	77 057	6.56	100.00	43.05
		Total	1 174 457	100.00		HHI 4 600

Baryte

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(2)	India	2 740 000	33.89	33.89	1 148.36
2	(1)	China	2 500 000	30.92	64.81	956.00
3	(3)	Morocco	501 939	6.21	71.01	38.54
4	(5)	Mexico	480 954	5.95	76.96	35.38
5	(4)	Kazakhstan	445 300	5.51	82.47	30.33
6	(8)	Iran	285 756	3.53	86.00	12.49
7	(7)	Turkey	283 161	3.50	89.51	12.26
8	(9)	Russia	265 000	3.28	92.78	10.74
9	(6)	United States	125 409	1.55	94.33	2.41
10	(13)	Laos	96 278	1.19	95.53	1.42
11	(10)	Pakistan	55 341	0.68	96.21	0.47
12	(14)	Vietnam	51 500	0.64	96.85	0.41
13	(12)	United Kingdom	50 000	0.62	97.47	0.38
14	(11)	Bulgaria	41 000	0.51	97.97	0.26
15	(15)	Canada	40 000	0.49	98.47	0.24
16	(18)	Algeria	32 940	0.41	98.87	0.17
17	(19)	Germany	26 656	0.33	99.20	0.11
18	(17)	Thailand	22 394	0.28	99.48	0.08
19	(22)	Tunisia	10 000	0.12	99.60	0.02
20	(16)	Bolivia	9 611	0.12	99.72	0.01
21	(20)	Peru	5 242	0.06	99.79	0.00
22	(25)	Korea, North	4 000	0.05	99.84	0.00
23	(24)	Egypt	4 000	0.05	99.89	0.00
24	(21)	Myanmar	2 600	0.03	99.92	0.00
25	(27)	Colombia	2 046	0.03	99.95	0.00
26	(28)	Ecuador	2 000	0.02	99.97	0.00
27	(23)	Brazil	1 849	0.02	99.99	0.00
28	(30)	Nigeria	544	0.01	100.00	0.00
29	(31)	Guatemala	50	0.00	100.00	0.00
		Total	8 085 570	100.00		HHI 2 250

Bentonite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	5 600 000	26.86	26.86	721.60
2	(2)	United States	4 240 000	20.34	47.20	413.67
3	(3)	India	3 600 000	17.27	64.47	298.21
4	(4)	Turkey	1 658 837	7.96	72.43	63.32
5	(5)	Greece	1 170 000	5.61	78.04	31.50
6	(7)	Russia	720 000	3.45	81.49	11.93
7	(6)	Iran	714 684	3.43	84.92	11.75
8	(9)	Germany	333 000	1.60	86.52	2.55
9	(11)	Slovakia	261 640	1.26	87.77	1.58
10	(12)	Japan	250 000	1.20	88.97	1.44
11	(10)	Czech Republic	226 000	1.08	90.06	1.18
12	(15)	Spain	221 495	1.06	91.12	1.13
13	(8)	Brazil	217 055	1.04	92.16	1.08
14	(16)	Colombia	179 893	0.86	93.02	0.74
15	(13)	Azerbaijan	155 100	0.74	93.77	0.55
16	(17)	Ukraine	125 000	0.60	94.37	0.36
17	(18)	Argentina	98 000	0.47	94.84	0.22
18	(21)	Cyprus	92 645	0.44	95.28	0.20
19	(14)	Morocco	92 387	0.44	95.73	0.20
20	(19)	South Africa	85 688	0.41	96.14	0.17
21	(24)	Mozambique	80 189	0.38	96.52	0.15
22	(35)	Mexico	79 219	0.38	96.90	0.14
23	(20)	Bosnia-Herzegovina	69 183	0.33	97.23	0.11
24	(23)	Italy	65 989	0.32	97.55	0.10
25	(25)	Australia	65 000	0.31	97.86	0.10
26	(26)	Kazakhstan	59 200	0.28	98.15	0.08
27	(22)	France	50 000	0.24	98.39	0.06
28	(27)	Pakistan	50 000	0.24	98.63	0.06
29	(32)	Romania	45 495	0.22	98.84	0.05
30	(33)	Hungary	42 000	0.20	99.04	0.04
31	(30)	Bulgaria	40 900	0.20	99.24	0.04
32	(28)	Denmark	40 054	0.19	99.43	0.04
33	(34)	Algeria	34 200	0.16	99.60	0.03
34	(29)	Peru	25 532	0.12	99.72	0.01
35	(40)	Uruguay	16 550	0.08	99.80	0.01
36	(37)	Guatemala	10 000	0.05	99.85	0.00
37	(38)	Turkmenistan	10 000	0.05	99.90	0.00
38	(39)	Egypt	7 000	0.03	99.93	0.00
39	(31)	Korea, South	5 314	0.03	99.95	0.00
40	(36)	Philippines	4 720	0.02	99.98	0.00
41	(41)	North Macedonia	2 196	0.01	99.99	0.00
42	(43)	Poland	920	0.00	99.99	0.00
43	(44)	New Zealand	500	0.00	99.99	0.00
44	(**)	Myanmar	500	0.00	100.00	0.00
45	(42)	Cuba	486	0.00	100.00	0.00
46	(45)	Chile	170	0.00	100.00	0.00
47	(46)	Slovenia	77	0.00	100.00	0.00
		Total	20 846 818	100.00		HHI 1 564

Boron Minerals

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Turkey	1 680 000	46.65	46.65	2 176.13
2	(2)	United States	830 000	23.05	69.70	531.16
3	(3)	Chile	288 103	8.00	77.70	64.00
4	(5)	Bolivia	258 019	7.16	84.86	51.33
5	(4)	China	250 000	6.94	91.80	48.19
6	(6)	Argentina	134 604	3.74	95.54	13.97
7	(8)	Russia	85 500	2.37	97.91	5.64
8	(7)	Peru	43 645	1.21	99.13	1.47
9	(9)	Kazakhstan	30 000	0.83	99.96	0.69
10	(10)	Iran	1 495	0.04	100.00	0.00
		Total	3 601 366	100.00		HHI 2 893

Diamonds (Gem)

Rank 2020	Rank 2019	Country	Production 2020 ct	Share in %	Share cum. %	Share HHI
1	(1)	Russia	18 711 931	30.17	30.17	910.48
2	(2)	Canada	15 035 711	24.25	54.42	587.87
3	(3)	Botswana	11 807 600	19.04	73.46	362.54
4	(4)	Angola	6 960 850	11.22	84.69	126.00
5	(5)	South Africa	3 399 300	5.48	90.17	30.05
6	(6)	Congo, D.R.	2 588 850	4.17	94.34	17.43
7	(7)	Namibia	1 428 445	2.30	96.65	5.31
8	(10)	Zimbabwe	534 090	0.86	97.51	0.74
9	(9)	Sierra Leone	483 232	0.78	98.29	0.61
10	(8)	Lesotho	481 243	0.78	99.06	0.60
11	(12)	Australia	199 600	0.32	99.38	0.10
12	(11)	Tanzania	125 110	0.20	99.59	0.04
13	(13)	Guinea	96 430	0.16	99.74	0.02
14	(14)	Brazil	43 200	0.07	99.81	0.00
15	(18)	Central African Republic	40 320	0.07	99.88	0.00
16	(16)	Liberia	32 760	0.05	99.93	0.00
17	(17)	Ghana	20 230	0.03	99.96	0.00
18	(15)	Guyana	14 430	0.02	99.98	0.00
19	(19)	India	5 010	0.01	99.99	0.00
20	(20)	Cote d'Ivoire	4 012	0.01	100.00	0.00
21	(**)	Venezuela	794	0.00	100.00	0.00
22	(21)	China	21	0.00	100.00	0.00
		Total	62 013 169	100.00		HHI 2 042

Diamonds (Ind)

Rank 2020	Rank 2019	Country	Production 2020 ct	Share in %	Share cum. %	Share HHI
1	(1)	Russia	12 474 620	27.02	27.02	730.22
2	(3)	Congo, D.R.	10 355 400	22.43	49.45	503.19
3	(2)	Australia	9 780 400	21.19	70.64	448.86
4	(5)	South Africa	5 098 950	11.05	81.69	122.00
5	(4)	Botswana	5 060 400	10.96	92.65	120.16
6	(6)	Zimbabwe	2 136 370	4.63	97.28	21.42
7	(7)	Angola	773 430	1.68	98.95	2.81
8	(8)	Sierra Leone	202 800	0.44	99.39	0.19
9	(9)	Brazil	87 700	0.19	99.58	0.04
10	(10)	Namibia	75 180	0.16	99.74	0.03
11	(12)	Guinea	32 145	0.07	99.81	0.00
12	(11)	Tanzania	22 080	0.05	99.86	0.00
13	(13)	Liberia	21 840	0.05	99.91	0.00
14	(18)	Congo, Rep.	11 157	0.02	99.93	0.00
15	(17)	Central African Republic	10 080	0.02	99.95	0.00
16	(14)	India	8 910	0.02	99.97	0.00
17	(16)	Ghana	5 060	0.01	99.98	0.00
18	(15)	Guyana	4 810	0.01	99.99	0.00
19	(19)	Cameroon	2 438	0.01	100.00	0.00
		Total	46 163 770	100.00		HHI 1 949

Diatomite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	822 000	36.36	36.36	1 322.39
2	(2)	China	420 000	18.58	54.95	345.24
3	(4)	Mexico	144 105	6.38	61.32	40.64
4	(5)	Denmark	115 000	5.09	66.41	25.88
5	(3)	Turkey	100 327	4.44	70.85	19.70
6	(6)	Argentina	98 575	4.36	75.21	19.02
7	(8)	France	90 000	3.98	79.19	15.85
8	(7)	Peru	85 406	3.78	82.97	14.28
9	(14)	Korea, South	65 240	2.89	85.85	8.33
10	(10)	Spain	63 000	2.79	88.64	7.77
11	(11)	Germany	51 511	2.28	90.92	5.19
12	(12)	Russia	51 000	2.26	93.18	5.09
13	(13)	Czech Republic	46 000	2.04	95.21	4.14
14	(16)	Brazil	35 574	1.57	96.78	2.48
15	(9)	Mozambique	35 257	1.56	98.34	2.43
16	(15)	Chile	21 477	0.95	99.29	0.90
17	(17)	Ethiopia	5 000	0.22	99.52	0.05
18	(18)	Costa Rica	4 000	0.18	99.69	0.03
19	(19)	Algeria	3 040	0.13	99.83	0.02
20	(23)	Australia	2 011	0.09	99.92	0.01
21	(20)	Kenya	928	0.04	99.96	0.00
22	(21)	Poland	810	0.04	99.99	0.00
23	(22)	Iran	170	0.01	100.00	0.00
		Total	2 260 431	100.00		HHI 1 839

Feldspar

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Turkey	10 050 911	32.53	32.53	1 057.90
2	(2)	India	6 200 000	20.06	52.59	402.55
3	(3)	China	2 450 000	7.93	60.52	62.86
4	(5)	Italy	2 200 000	7.12	67.64	50.69
5	(4)	Iran	1 910 505	6.18	73.82	38.22
6	(6)	Thailand	1 105 344	3.58	77.40	12.79
7	(9)	Mexico	903 385	2.92	80.32	8.55
8	(7)	Spain	855 000	2.77	83.09	7.66
9	(10)	France	500 000	1.62	84.70	2.62
10	(8)	Brazil	450 573	1.46	86.16	2.13
11	(13)	United States	430 000	1.39	87.55	1.94
12	(12)	Czech Republic	419 000	1.36	88.91	1.84
13	(14)	Korea, South	415 426	1.34	90.25	1.81
14	(15)	Pakistan	350 000	1.13	91.39	1.28
15	(16)	Russia	290 000	0.94	92.33	0.88
16	(11)	Indonesia	287 400	0.93	93.26	0.86
17	(17)	Malaysia	240 000	0.78	94.03	0.60
18	(20)	Saudi Arabia	216 000	0.70	94.73	0.49
19	(18)	Germany	213 899	0.69	95.42	0.48
20	(19)	Egypt	200 000	0.65	96.07	0.42
21	(24)	Morocco	185 772	0.60	96.67	0.36
22	(22)	Algeria	170 000	0.55	97.22	0.30
23	(21)	Colombia	134 846	0.44	97.66	0.19
24	(23)	Portugal	122 969	0.40	98.06	0.16
25	(25)	Norway	69 000	0.22	98.28	0.05
26	(27)	Sri Lanka	50 000	0.16	98.44	0.03
27	(28)	Ukraine	50 000	0.16	98.60	0.03
28	(26)	South Africa	48 427	0.16	98.76	0.02
29	(29)	Philippines	47 000	0.15	98.91	0.02
30	(32)	Austria	35 000	0.11	99.03	0.01
31	(43)	Argentina	32 000	0.10	99.13	0.01
32	(34)	Venezuela	30 000	0.10	99.23	0.01
33	(31)	Poland	29 440	0.10	99.32	0.01
34	(40)	Slovakia	29 100	0.09	99.42	0.01
35	(37)	Guatemala	27 000	0.09	99.50	0.01
36	(42)	Sudan	25 000	0.08	99.58	0.01
37	(36)	Peru	24 132	0.08	99.66	0.01
38	(39)	Romania	20 000	0.06	99.73	0.00
39	(38)	Sweden	20 000	0.06	99.79	0.00
40	(33)	Nigeria	19 453	0.06	99.85	0.00
41	(41)	Finland	16 137	0.05	99.91	0.00
42	(44)	Cuba	14 100	0.05	99.95	0.00
43	(35)	North Macedonia	13 115	0.04	99.99	0.00
44	(48)	Australia	1 241	0.00	100.00	0.00
45	(47)	Chile	329	0.00	100.00	0.00
46	(46)	Uruguay	210	0.00	100.00	0.00
		Total	30 901 714	100.00		HHI 1 658

Fluorspar

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	4 300 000	56.76	56.76	3 221.49
2	(2)	Mexico	1 571 269	20.74	77.50	430.15
3	(3)	Mongolia	678 900	8.96	86.46	80.30
4	(4)	Vietnam	219 920	2.90	89.36	8.43
5	(5)	South Africa	210 000	2.77	92.13	7.68
6	(6)	Spain	145 000	1.91	94.05	3.66
7	(9)	Morocco	83 833	1.11	95.15	1.22
8	(8)	Germany	64 933	0.86	96.01	0.73
9	(10)	Iran	55 000	0.73	96.74	0.53
10	(7)	Canada	50 000	0.66	97.40	0.44
11	(20)	Argentina	48 000	0.63	98.03	0.40
12	(19)	Russia	32 000	0.42	98.45	0.18
13	(12)	Brazil	24 730	0.33	98.78	0.11
14	(14)	Turkey	19 896	0.26	99.04	0.07
15	(17)	Nigeria	17 557	0.23	99.27	0.05
16	(15)	United Kingdom	12 000	0.16	99.43	0.03
17	(11)	Afghanistan	10 000	0.13	99.56	0.02
18	(23)	Tajikistan	10 000	0.13	99.70	0.02
19	(13)	Thailand	9 807	0.13	99.83	0.02
20	(16)	Korea, North	6 900	0.09	99.92	0.01
21	(18)	Pakistan	4 200	0.06	99.97	0.00
22	(21)	India	1 052	0.01	99.99	0.00
23	(22)	Egypt	1 000	0.01	100.00	0.00
		Total	7 575 997	100.00		HHI 3 756

Graphite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	665 000	70.71	70.71	4 999.64
2	(3)	Brazil	67 020	7.13	77.83	50.78
3	(4)	Madagascar	48 055	5.11	82.94	26.11
4	(5)	Korea, North	45 000	4.78	87.73	22.89
5	(6)	India	30 168	3.21	90.94	10.29
6	(2)	Mozambique	18 159	1.93	92.87	3.73
7	(10)	Turkey	15 205	1.62	94.48	2.61
8	(7)	Russia	12 900	1.37	95.86	1.88
9	(8)	Canada	11 937	1.27	97.12	1.61
10	(9)	Ukraine	10 000	1.06	98.19	1.13
11	(11)	Norway	5 549	0.59	98.78	0.35
12	(12)	Vietnam	3 700	0.39	99.17	0.15
13	(15)	Korea, South	3 052	0.32	99.50	0.11
14	(13)	Sri Lanka	2 500	0.27	99.76	0.07
15	(14)	Mexico	2 033	0.22	99.98	0.05
16	(16)	Germany	108	0.01	99.99	0.00
17	(18)	Austria	100	0.01	100.00	0.00
		Total	940 486	100.00		HHI 5 121

Gypsum and Anhydrite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	25 000 000	15.44	15.44	238.42
2	(2)	United States	21 200 000	13.09	28.53	171.45
3	(3)	Iran	15 124 823	9.34	37.88	87.26
4	(4)	Spain	13 544 458	8.37	46.24	69.98
5	(5)	Oman	10 213 900	6.31	52.55	39.80
6	(6)	Thailand	9 291 159	5.74	58.29	32.93
7	(8)	Turkey	9 280 864	5.73	64.02	32.86
8	(7)	Mexico	7 977 953	4.93	68.95	24.28
9	(9)	Germany	5 200 000	3.21	72.16	10.31
10	(10)	Russia	4 200 000	2.59	74.75	6.73
11	(12)	Saudi Arabia	3 500 000	2.16	76.92	4.67
12	(11)	Australia	3 422 265	2.11	79.03	4.47
13	(14)	India	3 000 000	1.85	80.88	3.43
14	(17)	Canada	2 915 270	1.80	82.68	3.24
15	(15)	Brazil	2 850 063	1.76	84.44	3.10
16	(18)	Algeria	2 200 000	1.36	85.80	1.85
17	(16)	Pakistan	2 149 873	1.33	87.13	1.76
18	(13)	France	1 894 245	1.17	88.30	1.37
19	(19)	United Kingdom	1 600 000	0.99	89.29	0.98
20	(20)	Ukraine	1 529 000	0.94	90.23	0.89
21	(21)	Poland	1 057 000	0.65	90.88	0.43
22	(22)	Iraq	1 000 000	0.62	91.50	0.38
23	(26)	Romania	925 782	0.57	92.07	0.33
24	(23)	Chile	910 310	0.56	92.64	0.32
25	(25)	Austria	900 619	0.56	93.19	0.31
26	(24)	Tunisia	890 000	0.55	93.74	0.30
27	(27)	Egypt	800 000	0.49	94.24	0.24
28	(31)	Greece	780 000	0.48	94.72	0.23
29	(30)	Laos	737 749	0.46	95.17	0.21
30	(29)	Cyprus	646 340	0.40	95.57	0.16
31	(28)	Argentina	499 092	0.31	95.88	0.10
32	(43)	Tanzania	443 926	0.27	96.16	0.08
33	(34)	Latvia	359 190	0.22	96.38	0.05
34	(32)	Bhutan	331 050	0.20	96.58	0.04
35	(33)	Switzerland	330 000	0.20	96.79	0.04
36	(35)	Dominican Republic	304 920	0.19	96.97	0.04
37	(36)	Azerbaijan	297 594	0.18	97.16	0.03
38	(41)	Moldova	292 600	0.18	97.34	0.03
39	(39)	Colombia	284 222	0.18	97.51	0.03
40	(44)	Ethiopia	255 000	0.16	97.67	0.02
41	(37)	Myanmar	240 420	0.15	97.82	0.02
42	(42)	North Macedonia	229 322	0.14	97.96	0.02
43	(50)	Croatia	221 629	0.14	98.10	0.02
44	(46)	Portugal	210 231	0.13	98.23	0.02
45	(40)	South Africa	205 542	0.13	98.36	0.02
46	(48)	Libya	200 000	0.12	98.48	0.02
47	(47)	Jordan	185 000	0.11	98.59	0.01
48	(51)	Sudan	173 000	0.11	98.70	0.01
49	(45)	Peru	171 093	0.11	98.81	0.01
50	(38)	Italy	163 749	0.10	98.91	0.01
51	(52)	Kyrgyzstan	150 000	0.09	99.00	0.01
52	(49)	Ireland	150 000	0.09	99.09	0.01
53	(53)	Guatemala	141 000	0.09	99.18	0.01
54	(54)	Bosnia-Herzegovina	140 994	0.09	99.27	0.01
55	(55)	Mauritania	120 000	0.07	99.34	0.01
56	(57)	Albania	111 880	0.07	99.41	0.00

57	(59)	Kazakhstan	94 500	0.06	99.47	0.00
58	(56)	Norway	93 602	0.06	99.53	0.00
59	(64)	Slovakia	72 300	0.04	99.57	0.00
60	(60)	Israel	70 000	0.04	99.61	0.00
61	(61)	Syria	70 000	0.04	99.66	0.00
62	(65)	Jamaica	66 000	0.04	99.70	0.00
63	(66)	Nicaragua	64 573	0.04	99.74	0.00
64	(62)	Cuba	62 300	0.04	99.78	0.00
65	(63)	Georgia	62 000	0.04	99.81	0.00
66	(58)	Bulgaria	54 800	0.03	99.85	0.00
67	(67)	Honduras	45 254	0.03	99.88	0.00
68	(68)	Angola	32 000	0.02	99.90	0.00
69	(71)	Nigeria	30 706	0.02	99.91	0.00
70	(70)	Armenia	28 508	0.02	99.93	0.00
71	(72)	Yemen	20 000	0.01	99.94	0.00
72	(73)	Eritrea	18 000	0.01	99.96	0.00
73	(75)	Czech Republic	17 000	0.01	99.97	0.00
74	(69)	Afghanistan	15 049	0.01	99.98	0.00
75	(78)	Bolivia	14 996	0.01	99.99	0.00
76	(74)	Tajikistan	14 000	0.01	99.99	0.00
77	(76)	Kenya	5 700	0.00	100.00	0.00
78	(77)	Paraguay	4 500	0.00	100.00	0.00
		Total	161 908 915	100.00		HHI 743

Kaolin

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	India	8 000 000	18.83	18.83	354.57
2	(2)	China	6 500 000	15.30	34.13	234.07
3	(4)	Germany	4 969 000	11.70	45.83	136.79
4	(3)	United States	4 570 000	10.76	56.58	115.70
5	(5)	Czech Republic	3 069 000	7.22	63.81	52.18
6	(8)	Iran	1 923 895	4.53	68.33	20.51
7	(7)	Ukraine	1 680 891	3.96	72.29	15.65
8	(6)	Indonesia	1 636 000	3.85	76.14	14.83
9	(9)	Russia	1 530 000	3.60	79.74	12.97
10	(10)	Brazil	1 239 591	2.92	82.66	8.51
11	(11)	Turkey	1 224 746	2.88	85.54	8.31
12	(23)	Mexico	1 003 889	2.36	87.91	5.58
13	(12)	United Kingdom	720 000	1.69	89.60	2.87
14	(18)	Korea, South	393 236	0.93	90.53	0.86
15	(16)	Uzbekistan	373 440	0.88	91.40	0.77
16	(20)	Portugal	320 655	0.75	92.16	0.57
17	(14)	Malaysia	301 503	0.71	92.87	0.50
18	(19)	Poland	292 940	0.69	93.56	0.48
19	(13)	Spain	278 843	0.66	94.21	0.43
20	(17)	Bulgaria	276 000	0.65	94.86	0.42
21	(21)	Serbia	255 000	0.60	95.46	0.36
22	(15)	France	243 213	0.57	96.04	0.33
23	(24)	Egypt	230 000	0.54	96.58	0.29
24	(25)	Saudi Arabia	215 000	0.51	97.08	0.26
25	(22)	Italy	200 000	0.47	97.56	0.22
26	(27)	Australia	154 812	0.36	97.92	0.13
27	(26)	Bosnia-Herzegovina	108 174	0.25	98.17	0.06
28	(28)	Algeria	100 000	0.24	98.41	0.06

29	(29)	Vietnam	100 000	0.24	98.64	0.06
30	(40)	Tanzania	98 454	0.23	98.88	0.05
31	(31)	Thailand	87 250	0.21	99.08	0.04
32	(32)	New Zealand	50 000	0.12	99.20	0.01
33	(34)	Oman	43 300	0.10	99.30	0.01
34	(33)	Chile	38 789	0.09	99.39	0.01
35	(38)	Slovakia	30 960	0.07	99.47	0.01
36	(35)	Sri Lanka	30 000	0.07	99.54	0.00
37	(30)	Colombia	29 372	0.07	99.61	0.00
38	(37)	South Africa	20 639	0.05	99.65	0.00
39	(44)	Argentina	20 628	0.05	99.70	0.00
40	(36)	Sudan	19 700	0.05	99.75	0.00
41	(41)	Kyrgyzstan	15 000	0.04	99.78	0.00
42	(39)	Pakistan	14 000	0.03	99.82	0.00
43	(42)	Austria	13 500	0.03	99.85	0.00
44	(48)	Peru	12 536	0.03	99.88	0.00
45	(43)	Japan	12 000	0.03	99.91	0.00
46	(45)	Jordan	11 000	0.03	99.93	0.00
47	(47)	Philippines	10 000	0.02	99.96	0.00
48	(49)	Nigeria	7 033	0.02	99.97	0.00
49	(51)	Paraguay	6 000	0.01	99.99	0.00
50	(52)	Cuba	2 000	0.00	99.99	0.00
51	(53)	Ethiopia	1 000	0.00	99.99	0.00
52	(55)	Guatemala	1 000	0.00	100.00	0.00
53	(54)	Kenya	800	0.00	100.00	0.00
54	(56)	Taiwan	404	0.00	100.00	0.00
55	(46)	Uganda	323	0.00	100.00	0.00
		Total	42 485 516	100.00		HHI 989

Magnesite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	19 000 000	67.18	67.18	4 513.76
2	(3)	Turkey	1 560 818	5.52	72.70	30.46
3	(2)	Brazil	1 550 000	5.48	78.18	30.04
4	(5)	Russia	1 281 400	4.53	82.72	20.53
5	(6)	Austria	816 370	2.89	85.60	8.33
6	(8)	Australia	799 203	2.83	88.43	7.99
7	(4)	Slovakia	787 476	2.78	91.21	7.75
8	(7)	Spain	635 000	2.25	93.46	5.04
9	(10)	United States	419 076	1.48	94.94	2.20
10	(9)	Greece	360 000	1.27	96.21	1.62
11	(13)	Iran	256 124	0.91	97.12	0.82
12	(11)	Saudi Arabia	250 000	0.88	98.00	0.78
13	(12)	Canada	150 000	0.53	98.53	0.28
14	(18)	Finland	136 167	0.48	99.01	0.23
15	(15)	Korea, North	100 000	0.35	99.37	0.13
16	(14)	India	78 144	0.28	99.64	0.08
17	(16)	Poland	65 250	0.23	99.88	0.05
18	(17)	Pakistan	16 165	0.06	99.93	0.00
19	(19)	South Africa	8 500	0.03	99.96	0.00
20	(20)	Guatemala	5 000	0.02	99.98	0.00

21	(22)	Cuba	3 910	0.01	99.99	0.00
22	(21)	Colombia	1 077	0.00	100.00	0.00
23	(23)	Bosnia-Herzegovina	652	0.00	100.00	0.00
		Total	28 280 332	100.00		HHI 4 630

Perlite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Turkey	1 146 341	38.03	38.03	1 446.06
2	(3)	United States	845 000	28.03	66.06	785.73
3	(2)	Greece	718 000	23.82	89.88	567.29
4	(4)	Armenia	104 410	3.46	93.34	12.00
5	(8)	Iran	52 750	1.75	95.09	3.06
6	(5)	Russia	45 000	1.49	96.58	2.23
7	(6)	Hungary	44 000	1.46	98.04	2.13
8	(7)	Slovakia	37 850	1.26	99.30	1.58
9	(11)	Georgia	12 500	0.41	99.71	0.17
10	(10)	Thailand	3 500	0.12	99.83	0.01
11	(15)	Australia	2 185	0.07	99.90	0.01
12	(14)	Argentina	2 000	0.07	99.97	0.00
13	(16)	South Africa	1 000	0.03	100.00	0.00
		Total	3 014 536	100.00		HHI 2 820

Phosphate Rock (P₂O₅-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	26 679 960	38.08	38.08	1 450.00
2	(2)	Morocco	11 959 000	17.07	55.15	291.33
3	(3)	United States	6 604 000	9.43	64.57	88.84
4	(4)	Russia	5 382 000	7.68	72.25	59.00
5	(5)	Peru	3 265 790	4.66	76.92	21.73
6	(6)	Jordan	2 860 140	4.08	81.00	16.66
7	(7)	Saudi Arabia	2 300 000	3.28	84.28	10.78
8	(8)	Brazil	1 698 100	2.42	86.70	5.87
9	(9)	Vietnam	1 316 850	1.88	88.58	3.53
10	(11)	Israel	988 800	1.41	89.99	1.99
11	(10)	Tunisia	911 800	1.30	91.30	1.69
12	(12)	Egypt	870 000	1.24	92.54	1.54
13	(13)	Senegal	684 300	0.98	93.51	0.95
14	(24)	Syria	580 000	0.83	94.34	0.69
15	(14)	South Africa	530 800	0.76	95.10	0.57
16	(20)	Togo	488 900	0.70	95.80	0.49
17	(16)	Kazakhstan	456 010	0.65	96.45	0.42
18	(15)	Algeria	409 900	0.59	97.03	0.34
19	(17)	Finland	363 200	0.52	97.55	0.27
20	(18)	India	346 450	0.49	98.05	0.24
21	(19)	Iraq	300 000	0.43	98.47	0.18
22	(26)	Turkey	261 900	0.37	98.85	0.14

23	(22)	Australia	215 700	0.31	99.16	0.09
24	(23)	Uzbekistan	150 000	0.21	99.37	0.05
25	(27)	Christmas Island	120 750	0.17	99.54	0.03
26	(25)	Iran	105 000	0.15	99.69	0.02
27	(21)	Mexico	91 240	0.13	99.82	0.02
28	(28)	Nauru	39 400	0.06	99.88	0.00
29	(29)	Venezuela	20 000	0.03	99.91	0.00
30	(31)	Sri Lanka	18 240	0.03	99.93	0.00
31	(32)	Pakistan	15 000	0.02	99.95	0.00
32	(33)	Zimbabwe	13 500	0.02	99.97	0.00
33	(30)	Colombia	10 670	0.02	99.99	0.00
34	(34)	Tanzania	6 240	0.01	100.00	0.00
35	(35)	Chile	590	0.00	100.00	0.00
36	(**)	Cuba	460	0.00	100.00	0.00
37	(37)	Philippines	200	0.00	100.00	0.00
		Total	70 064 890	100.00		HHI 1 957

Potash (K₂O-Content)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Canada	13 881 665	30.85	30.85	951.76
2	(2)	Russia	8 167 300	18.15	49.00	329.46
3	(3)	Belarus	7 562 153	16.81	65.81	282.45
4	(4)	China	5 530 000	12.29	78.10	151.04
5	(5)	Germany	2 874 026	6.39	84.48	40.80
6	(6)	Israel	2 415 600	5.37	89.85	28.82
7	(7)	Jordan	1 598 200	3.55	93.41	12.62
8	(8)	Chile	966 680	2.15	95.55	4.62
9	(10)	United States	460 000	1.02	96.58	1.05
10	(9)	Spain	455 000	1.01	97.59	1.02
11	(11)	Laos	442 500	0.98	98.57	0.97
12	(12)	Brazil	276 600	0.61	99.19	0.38
13	(13)	Uzbekistan	210 000	0.47	99.65	0.22
14	(14)	United Kingdom	99 260	0.22	99.87	0.05
15	(15)	Iran	37 000	0.08	99.95	0.01
16	(17)	Turkmenistan	16 000	0.04	99.99	0.00
17	(16)	Bolivia	4 400	0.01	100.00	0.00
		Total	44 996 384	100.00		HHI 1 805

Salt

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	58 526 800	21.68	21.68	470.04
2	(2)	United States	41 000 000	15.19	36.87	230.67
3	(3)	India	26 790 000	9.92	46.79	98.48
4	(4)	Germany	14 226 154	5.27	52.06	27.77
5	(6)	Canada	13 260 613	4.91	56.97	24.13
6	(5)	Australia	12 212 483	4.52	61.50	20.47

7	(7)	Chile	9 574 159	3.55	65.04	12.58
8	(8)	Mexico	9 084 859	3.37	68.41	11.33
9	(10)	Turkey	7 698 018	2.85	71.26	8.13
10	(11)	Brazil	6 463 100	2.39	73.66	5.73
11	(9)	Russia	6 026 000	2.23	75.89	4.98
12	(12)	Netherlands	5 712 038	2.12	78.00	4.48
13	(13)	France	5 668 318	2.10	80.10	4.41
14	(14)	Spain	4 460 823	1.65	81.76	2.73
15	(15)	Poland	3 638 000	1.35	83.10	1.82
16	(16)	Pakistan	3 626 798	1.34	84.45	1.80
17	(20)	Iran	3 200 232	1.19	85.63	1.41
18	(19)	Saudi Arabia	2 800 000	1.04	86.67	1.08
19	(17)	Bulgaria	2 700 000	1.00	87.67	1.00
20	(22)	United Kingdom	2 300 000	0.85	88.52	0.73
21	(23)	Ukraine	2 100 000	0.78	89.30	0.61
22	(26)	Egypt	2 000 000	0.74	90.04	0.55
23	(31)	Bangladesh	1 649 000	0.61	90.65	0.37
24	(24)	Tunisia	1 630 000	0.60	91.26	0.36
25	(27)	Thailand	1 439 877	0.53	91.79	0.28
26	(18)	Indonesia	1 365 711	0.51	92.29	0.26
27	(33)	Kazakhstan	1 237 455	0.46	92.75	0.21
28	(36)	Vietnam	1 205 500	0.45	93.20	0.20
29	(21)	Belarus	1 198 290	0.44	93.64	0.20
30	(29)	Italy	1 192 956	0.44	94.09	0.20
31	(25)	Romania	1 175 979	0.44	94.52	0.19
32	(30)	Peru	1 030 598	0.38	94.90	0.15
33	(32)	Austria	1 014 554	0.38	95.28	0.14
34	(28)	Argentina	1 013 400	0.38	95.65	0.14
35	(35)	Namibia	987 872	0.37	96.02	0.13
36	(34)	Bosnia-Herzegovina	947 838	0.35	96.37	0.12
37	(37)	Japan	874 000	0.32	96.70	0.10
38	(39)	Bahamas	623 007	0.23	96.93	0.05
39	(41)	Denmark	600 000	0.22	97.15	0.05
40	(42)	South Africa	533 099	0.20	97.35	0.04
41	(40)	Venezuela	500 000	0.19	97.53	0.03
42	(43)	Korea, North	500 000	0.19	97.72	0.03
43	(38)	Morocco	490 896	0.18	97.90	0.03
44	(45)	Botswana	418 379	0.15	98.05	0.02
45	(46)	Colombia	359 559	0.13	98.19	0.02
46	(49)	Ghana	330 000	0.12	98.31	0.01
47	(44)	Switzerland	324 527	0.12	98.43	0.01
48	(47)	Eritrea	320 000	0.12	98.55	0.01
49	(51)	Iraq	300 000	0.11	98.66	0.01
50	(50)	Senegal	290 873	0.11	98.77	0.01
51	(48)	Israel	250 000	0.09	98.86	0.01
52	(52)	Sudan	237 000	0.09	98.95	0.01
53	(54)	Myanmar	229 750	0.09	99.03	0.01
54	(55)	Cuba	226 000	0.08	99.12	0.01
55	(56)	Philippines	200 000	0.07	99.19	0.01
56	(53)	Korea, South	176 247	0.07	99.25	0.00
57	(61)	Angola	164 400	0.06	99.32	0.00
58	(57)	Greece	156 213	0.06	99.37	0.00
59	(58)	Ethiopia	125 000	0.05	99.42	0.00
60	(66)	Croatia	111 901	0.04	99.46	0.00
61	(60)	Madagascar	110 000	0.04	99.50	0.00
62	(63)	New Zealand	100 000	0.04	99.54	0.00
63	(62)	Algeria	95 100	0.04	99.57	0.00
64	(64)	Turkmenistan	94 600	0.04	99.61	0.00
65	(65)	Tanzania	83 974	0.03	99.64	0.00
66	(84)	Cambodia	83 969	0.03	99.67	0.00
67	(68)	Taiwan	77 854	0.03	99.70	0.00
68	(67)	Azerbaijan	76 401	0.03	99.73	0.00

69	(73)	Syria	70 000	0.03	99.75	0.00
70	(75)	Honduras	61 200	0.02	99.78	0.00
71	(70)	Sri Lanka	60 076	0.02	99.80	0.00
72	(69)	Kuwait	59 000	0.02	99.82	0.00
73	(72)	Nicaragua	55 000	0.02	99.84	0.00
74	(76)	Jordan	50 000	0.02	99.86	0.00
75	(74)	Yemen	50 000	0.02	99.88	0.00
76	(81)	Mozambique	43 000	0.02	99.89	0.00
77	(80)	Libya	30 000	0.01	99.91	0.00
78	(78)	El Salvador	30 000	0.01	99.92	0.00
79	(79)	Albania	30 000	0.01	99.93	0.00
80	(77)	Tajikistan	26 637	0.01	99.94	0.00
81	(82)	Panama	24 958	0.01	99.95	0.00
82	(71)	Armenia	24 401	0.01	99.96	0.00
83	(83)	Dominican Republic	24 000	0.01	99.96	0.00
84	(94)	Bolivia	14 949	0.01	99.97	0.00
85	(85)	Oman	11 700	0.00	99.97	0.00
86	(59)	Afghanistan	10 627	0.00	99.98	0.00
87	(89)	Jamaica	10 000	0.00	99.98	0.00
88	(87)	Serbia	6 703	0.00	99.98	0.00
89	(91)	Kyrgyzstan	6 000	0.00	99.99	0.00
90	(90)	Norway	5 300	0.00	99.99	0.00
91	(92)	Iceland	5 000	0.00	99.99	0.00
92	(86)	Kenya	4 703	0.00	99.99	0.00
93	(93)	Portugal	4 217	0.00	99.99	0.00
94	(88)	Laos	3 951	0.00	100.00	0.00
95	(95)	Lebanon	3 000	0.00	100.00	0.00
96	(100)	Mongolia	2 624	0.00	100.00	0.00
97	(97)	Mauritius	2 200	0.00	100.00	0.00
98	(96)	Malta	1 600	0.00	100.00	0.00
99	(99)	Cape Verde	1 000	0.00	100.00	0.00
100	(98)	Slovenia	805	0.00	100.00	0.00
101	(101)	Benin	500	0.00	100.00	0.00
		Total	269 953 325	100.00		HHI 938

Sulfur

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	15 340 000	19.67	19.67	387.00
2	(2)	United States	7 890 000	10.12	29.79	102.38
3	(3)	Russia	6 850 000	8.78	38.58	77.17
4	(4)	Saudi Arabia	6 600 000	8.46	47.04	71.64
5	(5)	United Arab Emirates	5 220 000	6.69	53.73	44.81
6	(6)	Canada	4 904 051	6.29	60.02	39.55
7	(7)	India	3 750 000	4.81	64.83	23.13
8	(8)	Kazakhstan	3 749 900	4.81	69.64	23.13
9	(9)	Japan	3 112 000	3.99	73.63	15.93
10	(10)	Iran	2 200 000	2.82	76.45	7.96
11	(12)	Korea, South	2 000 000	2.56	79.02	6.58
12	(13)	Chile	1 787 300	2.29	81.31	5.25
13	(11)	Qatar	1 650 000	2.12	83.43	4.48
14	(15)	Poland	1 011 080	1.30	84.72	1.68
15	(17)	Zambia	917 300	1.18	85.90	1.38
16	(19)	Australia	900 000	1.15	87.05	1.33
17	(16)	Philippines	860 000	1.10	88.16	1.22

18	(20)	Finland	794 900	1.02	89.18	1.04
19	(22)	Kuwait	620 000	0.80	89.97	0.63
20	(21)	Spain	584 300	0.75	90.72	0.56
21	(18)	South Africa	575 491	0.74	91.46	0.54
22	(26)	Indonesia	500 000	0.64	92.10	0.41
23	(29)	Bulgaria	497 000	0.64	92.74	0.41
24	(23)	Peru	474 500	0.61	93.34	0.37
25	(32)	Turkmenistan	470 000	0.60	93.95	0.36
26	(14)	Italy	458 700	0.59	94.54	0.35
27	(28)	Brazil	450 000	0.58	95.11	0.33
28	(25)	France	450 000	0.58	95.69	0.33
29	(27)	Germany	353 293	0.45	96.14	0.21
30	(31)	Sweden	345 630	0.44	96.59	0.20
31	(30)	Mexico	315 935	0.41	96.99	0.16
32	(33)	Cuba	311 200	0.40	97.39	0.16
33	(24)	Venezuela	300 000	0.38	97.78	0.15
34	(36)	Ukraine	223 500	0.29	98.06	0.08
35	(34)	Greece	210 000	0.27	98.33	0.07
36	(37)	Taiwan	167 337	0.21	98.55	0.05
37	(39)	United Kingdom	130 000	0.17	98.71	0.03
38	(40)	Libya	130 000	0.17	98.88	0.03
39	(38)	Bahrain	125 350	0.16	99.04	0.03
40	(35)	Turkey	117 400	0.15	99.19	0.02
41	(42)	Norway	100 000	0.13	99.32	0.02
42	(46)	Namibia	81 500	0.10	99.42	0.01
43	(45)	Oman	80 830	0.10	99.53	0.01
44	(44)	Egypt	80 000	0.10	99.63	0.01
45	(43)	Lithuania	71 250	0.09	99.72	0.01
46	(41)	Colombia	69 638	0.09	99.81	0.01
47	(50)	Jordan	50 000	0.06	99.87	0.00
48	(47)	Iraq	40 000	0.05	99.93	0.00
49	(48)	Pakistan	19 948	0.03	99.95	0.00
50	(49)	Armenia	11 500	0.01	99.97	0.00
51	(51)	Korea, North	10 000	0.01	99.98	0.00
52	(52)	Austria	6 564	0.01	99.99	0.00
53	(53)	Algeria	6 000	0.01	99.99	0.00
54	(54)	Denmark	4 140	0.01	100.00	0.00
		Total	77 977 537	100.00		HHI 821

Talc

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	2 000 000	26.16	26.16	684.56
2	(2)	India	1 750 000	22.89	49.06	524.12
3	(3)	Brazil	650 000	8.50	57.56	72.31
4	(4)	United States	490 000	6.41	63.97	41.09
5	(6)	Korea, South	475 764	6.22	70.20	38.74
6	(5)	France	400 000	5.23	75.43	27.38
7	(7)	Finland	278 331	3.64	79.07	13.26
8	(10)	Italy	165 000	2.16	81.23	4.66
9	(9)	Japan	160 000	2.09	83.32	4.38
10	(8)	Canada	153 293	2.01	85.33	4.02
11	(11)	Pakistan	150 009	1.96	87.29	3.85
12	(15)	Turkey	143 470	1.88	89.17	3.52
13	(14)	Austria	123 000	1.61	90.77	2.59

14	(12)	Australia	110 000	1.44	92.21	2.07
15	(19)	Russia	104 000	1.36	93.57	1.85
16	(13)	South Africa	92 318	1.21	94.78	1.46
17	(16)	Slovakia	91 600	1.20	95.98	1.44
18	(17)	Iran	61 665	0.81	96.79	0.65
19	(18)	Saudi Arabia	48 000	0.63	97.42	0.39
20	(23)	Thailand	38 146	0.50	97.91	0.25
21	(20)	Peru	37 938	0.50	98.41	0.25
22	(21)	Korea, North	30 000	0.39	98.80	0.15
23	(28)	Mexico	29 122	0.38	99.18	0.15
24	(22)	Egypt	20 000	0.26	99.45	0.07
25	(24)	Spain	13 000	0.17	99.62	0.03
26	(25)	Portugal	9 751	0.13	99.74	0.02
27	(29)	Nigeria	8 404	0.11	99.85	0.01
28	(27)	Nepal	2 719	0.04	99.89	0.00
29	(26)	Argentina	2 304	0.03	99.92	0.00
30	(30)	United Kingdom	2 000	0.03	99.94	0.00
31	(35)	Guatemala	2 000	0.03	99.97	0.00
32	(33)	Bhutan	972	0.01	99.98	0.00
33	(32)	Colombia	717	0.01	99.99	0.00
34	(34)	Uruguay	520	0.01	100.00	0.00
		Total	7 644 043	100.00		HHI 1 433

Vermiculite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	118 223	28.38	28.38	805.17
2	(2)	United States	100 000	24.00	52.38	576.08
3	(4)	Brazil	58 821	14.12	66.50	199.32
4	(3)	China	50 000	12.00	78.50	144.02
5	(5)	Russia	28 442	6.83	85.32	46.60
6	(6)	Zimbabwe	26 388	6.33	91.66	40.11
7	(9)	Turkey	19 230	4.62	96.27	21.30
8	(7)	Uganda	14 170	3.40	99.67	11.57
9	(8)	India	1 260	0.30	99.98	0.09
10	(10)	Mexico	104	0.02	100.00	0.00
		Total	416 638	100.00		HHI 1 844

Zircon

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	380 000	30.75	30.75	945.78
2	(2)	South Africa	311 800	25.23	55.99	636.76
3	(3)	China	140 000	11.33	67.32	128.37
4	(4)	Mozambique	104 076	8.42	75.74	70.95
5	(5)	Senegal	83 257	6.74	82.48	45.40
6	(6)	Indonesia	64 150	5.19	87.67	26.95
7	(7)	Kenya	31 730	2.57	90.24	6.59

8	(8)	United States	30 000	2.43	92.67	5.89
9	(9)	Madagascar	25 250	2.04	94.71	4.18
10	(12)	India	16 000	1.29	96.00	1.68
11	(10)	Ukraine	16 000	1.29	97.30	1.68
12	(11)	Brazil	10 994	0.89	98.19	0.79
13	(14)	Vietnam	10 700	0.87	99.06	0.75
14	(15)	Russia	6 000	0.49	99.54	0.24
15	(13)	Sierra Leone	4 564	0.37	99.91	0.14
16	(18)	Malaysia	450	0.04	99.95	0.00
17	(17)	Sri Lanka	419	0.03	99.98	0.00
18	(16)	Nigeria	242	0.02	100.00	0.00
		Total	1 235 632	100.00		HHI 1 876

6.5.5 Mineral Fuels

Steam Coal

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	3 004 550 000	52.47	52.47	2 752.99
2	(2)	India	671 297 000	11.72	64.19	137.43
3	(3)	Indonesia	558 284 300	9.75	73.94	95.05
4	(4)	United States	394 850 100	6.90	80.84	47.55
5	(5)	Australia	267 529 000	4.67	85.51	21.83
6	(7)	South Africa	243 427 200	4.25	89.76	18.07
7	(6)	Russia	241 300 000	4.21	93.97	17.76
8	(8)	Kazakhstan	97 924 100	1.71	95.68	2.92
9	(11)	Vietnam	48 377 000	0.84	96.53	0.71
10	(9)	Colombia	48 365 579	0.84	97.37	0.71
11	(10)	Poland	42 111 970	0.74	98.11	0.54
12	(13)	Ukraine	17 733 500	0.31	98.42	0.10
13	(12)	Korea, North	17 000 000	0.30	98.71	0.09
14	(15)	Philippines	13 267 098	0.23	98.95	0.05
15	(14)	Canada	12 904 000	0.23	99.17	0.05
16	(18)	Pakistan	8 428 237	0.15	99.32	0.02
17	(16)	Mongolia	6 280 200	0.11	99.43	0.01
18	(19)	Mozambique	3 370 585	0.06	99.49	0.00
19	(20)	Brazil	3 171 509	0.06	99.54	0.00
20	(21)	Malaysia	2 978 248	0.05	99.60	0.00
21	(22)	Turkey	2 608 900	0.05	99.64	0.00
22	(23)	Zimbabwe	2 517 060	0.04	99.68	0.00
23	(17)	Mexico	2 185 295	0.04	99.72	0.00
24	(26)	Tajikistan	2 023 000	0.04	99.76	0.00
25	(25)	Botswana	1 923 992	0.03	99.79	0.00
26	(29)	New Zealand	1 482 000	0.03	99.82	0.00
27	(27)	United Kingdom	1 166 420	0.02	99.84	0.00
28	(31)	Myanmar	1 099 980	0.02	99.86	0.00
29	(32)	Korea, South	1 019 000	0.02	99.87	0.00
30	(30)	Czech Republic	841 188	0.01	99.89	0.00
31	(33)	Bangladesh	811 138	0.01	99.90	0.00
32	(35)	Nigeria	747 979	0.01	99.92	0.00
33	(34)	Tanzania	689 959	0.01	99.93	0.00
34	(37)	Venezuela	683 583	0.01	99.94	0.00

35	(39)	Kyrgyzstan	518 600	0.01	99.95	0.00
36	(36)	Iran	450 000	0.01	99.96	0.00
37	(38)	Zambia	448 821	0.01	99.97	0.00
38	(40)	Uzbekistan	326 051	0.01	99.97	0.00
39	(44)	Laos	320 231	0.01	99.98	0.00
40	(41)	Niger	246 880	0.00	99.98	0.00
41	(28)	Chile	191 562	0.00	99.98	0.00
42	(47)	Eswatini	161 768	0.00	99.99	0.00
43	(48)	Albania	151 231	0.00	99.99	0.00
44	(43)	Peru	131 516	0.00	99.99	0.00
45	(51)	Georgia	99 300	0.00	99.99	0.00
46	(42)	Bhutan	72 838	0.00	100.00	0.00
47	(49)	Nepal	69 418	0.00	100.00	0.00
48	(46)	Norway	63 000	0.00	100.00	0.00
49	(24)	Afghanistan	56 620	0.00	100.00	0.00
50	(50)	Malawi	54 876	0.00	100.00	0.00
51	(45)	Argentina	24 800	0.00	100.00	0.00
		Total	5 726 336 632	100.00		HHI 3 096

Coking Coal

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	553 656 000	53.65	53.65	2 878.04
2	(2)	Australia	183 740 000	17.80	71.45	316.97
3	(3)	Russia	88 200 000	8.55	80.00	73.04
4	(4)	United States	50 358 700	4.88	84.88	23.81
5	(5)	India	44 787 000	4.34	89.22	18.83
6	(7)	Mongolia	27 216 800	2.64	91.85	6.95
7	(6)	Canada	26 082 000	2.53	94.38	6.39
8	(8)	Poland	12 273 960	1.19	95.57	1.41
9	(9)	Kazakhstan	10 052 900	0.97	96.54	0.95
10	(10)	Ukraine	6 434 800	0.62	97.17	0.39
11	(11)	Indonesia	5 443 961	0.53	97.70	0.28
12	(13)	Mozambique	4 670 626	0.45	98.15	0.20
13	(14)	Mexico	4 587 000	0.44	98.59	0.20
14	(12)	Colombia	3 951 700	0.38	98.98	0.15
15	(17)	Iran	3 816 000	0.37	99.35	0.14
16	(15)	South Africa	3 080 744	0.30	99.64	0.09
17	(16)	Czech Republic	1 296 137	0.13	99.77	0.02
18	(18)	New Zealand	1 038 970	0.10	99.87	0.01
19	(20)	Turkey	601 000	0.06	99.93	0.00
20	(19)	United Kingdom	506 870	0.05	99.98	0.00
21	(21)	Zimbabwe	233 830	0.02	100.00	0.00
		Total	1 032 028 998	100.00		HHI 3 328

Lignite

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Germany	107 377 260	16.88	16.88	284.97
2	(3)	Russia	72 600 000	11.41	28.29	130.27
3	(2)	Turkey	71 239 430	11.20	39.49	125.43
4	(4)	Poland	47 300 000	7.44	46.93	55.30
5	(5)	United States	44 783 600	7.04	53.97	49.57
6	(6)	Australia	41 513 000	6.53	60.50	42.59
7	(8)	Serbia	39 673 059	6.24	66.73	38.90
8	(7)	India	36 614 000	5.76	72.49	33.13
9	(9)	Czech Republic	29 505 000	4.64	77.13	21.52
10	(10)	Bulgaria	22 519 300	3.54	80.67	12.53
11	(12)	Romania	15 030 906	2.36	83.03	5.58
12	(13)	Laos	14 366 628	2.26	85.29	5.10
13	(11)	Greece	13 851 400	2.18	87.47	4.74
14	(15)	Bosnia-Herzegovina	13 365 730	2.10	89.57	4.42
15	(14)	Thailand	13 250 574	2.08	91.65	4.34
16	(17)	Kosovo	8 537 948	1.34	93.00	1.80
17	(16)	Canada	7 181 000	1.13	94.12	1.27
18	(19)	Hungary	6 125 178	0.96	95.09	0.93
19	(18)	Mongolia	6 021 000	0.95	96.03	0.90
20	(20)	Kazakhstan	5 422 100	0.85	96.89	0.73
21	(21)	North Macedonia	4 532 745	0.71	97.60	0.51
22	(22)	Uzbekistan	3 805 000	0.60	98.20	0.36
23	(23)	Slovenia	3 259 309	0.51	98.71	0.26
24	(26)	Brazil	2 309 404	0.36	99.07	0.13
25	(24)	Kyrgyzstan	2 159 030	0.34	99.41	0.12
26	(25)	Montenegro	1 665 449	0.26	99.67	0.07
27	(27)	Slovakia	986 270	0.16	99.83	0.02
28	(28)	Myanmar	789 100	0.12	99.95	0.02
29	(29)	New Zealand	297 690	0.05	100.00	0.00
		Total	636 081 110	100.00		HHI 826

Natural Gas

Rank 2020	Rank 2019	Country	Production 2020 Mio m ³	Share in %	Share cum. %	Share HHI
1	(1)	United States	948 200	23.90	23.90	571.27
2	(2)	Russia	680 100	17.14	41.04	293.89
3	(3)	Iran	250 786	6.32	47.37	39.96
4	(4)	China	192 495	4.85	52.22	23.54
5	(5)	Canada	167 733	4.23	56.45	17.88
6	(6)	Qatar	167 435	4.22	60.67	17.81
7	(7)	Australia	154 263	3.89	64.56	15.12
8	(8)	Saudi Arabia	119 000	3.00	67.55	9.00
9	(9)	Norway	112 296	2.83	70.39	8.01
10	(10)	Algeria	85 119	2.15	72.53	4.60
11	(11)	Turkmenistan	67 960	1.71	74.24	2.93
12	(12)	Malaysia	63 370	1.60	75.84	2.55
13	(13)	Indonesia	59 180	1.49	77.33	2.23
14	(14)	Egypt	58 465	1.47	78.81	2.17
15	(16)	United Arab Emirates	55 432	1.40	80.20	1.95

16	(17)	Nigeria	52 040	1.31	81.52	1.72
17	(15)	Uzbekistan	49 739	1.25	82.77	1.57
18	(18)	Argentina	39 570	1.00	83.77	0.99
19	(20)	United Kingdom	39 342	0.99	84.76	0.98
20	(19)	Pakistan	37 283	0.94	85.70	0.88
21	(21)	Oman	36 110	0.91	86.61	0.83
22	(22)	Thailand	33 805	0.85	87.46	0.73
23	(24)	Kazakhstan	32 810	0.83	88.29	0.68
24	(27)	Mexico	30 460	0.77	89.06	0.59
25	(23)	Trinidad and Tobago	30 230	0.76	89.82	0.58
26	(26)	India	27 784	0.70	90.52	0.49
27	(31)	Azerbaijan	26 487	0.67	91.19	0.45
28	(28)	Brazil	25 384	0.64	91.83	0.41
29	(29)	Bangladesh	24 990	0.63	92.46	0.40
30	(25)	Netherlands	22 811	0.57	93.03	0.33
31	(32)	Ukraine	20 171	0.51	93.54	0.26
32	(30)	Venezuela	18 751	0.47	94.01	0.22
33	(33)	Myanmar	17 820	0.45	94.46	0.20
34	(37)	Libya	17 714	0.45	94.91	0.20
35	(34)	Kuwait	17 522	0.44	95.35	0.20
36	(35)	Bahrain	17 230	0.43	95.78	0.19
37	(36)	Bolivia	16 384	0.41	96.20	0.17
38	(44)	Israel	13 305	0.34	96.53	0.11
39	(39)	Brunei	12 073	0.30	96.84	0.09
40	(38)	Peru	12 030	0.30	97.14	0.09
41	(40)	Colombia	11 770	0.30	97.44	0.09
42	(41)	Iraq	10 492	0.26	97.70	0.07
43	(42)	Vietnam	9 160	0.23	97.93	0.05
44	(43)	Romania	8 914	0.22	98.16	0.05
45	(45)	Angola	7 278	0.18	98.34	0.03
46	(47)	Equatorial Guinea	6 023	0.15	98.49	0.02
47	(46)	Germany	5 692	0.14	98.63	0.02
48	(48)	Poland	4 934	0.12	98.76	0.02
49	(50)	Mozambique	4 880	0.12	98.88	0.02
50	(51)	New Zealand	4 436	0.11	98.99	0.01
51	(49)	Italy	4 107	0.10	99.10	0.01
52	(52)	Philippines	4 013	0.10	99.20	0.01
53	(53)	Papua New Guinea	3 325	0.08	99.28	0.01
54	(54)	Syria	2 740	0.07	99.35	0.00
55	(63)	Ghana	2 660	0.07	99.42	0.00
56	(56)	Japan	2 295	0.06	99.48	0.00
57	(58)	Cote d'Ivoire	2 140	0.05	99.53	0.00
58	(59)	Cameroon	2 130	0.05	99.58	0.00
59	(61)	Tunisia	1 850	0.05	99.63	0.00
60	(57)	Ireland	1 840	0.05	99.68	0.00
61	(62)	Hungary	1 708	0.04	99.72	0.00
62	(60)	Tanzania	1 616	0.04	99.76	0.00
63	(55)	Denmark	1 424	0.04	99.80	0.00
64	(64)	Chile	1 316	0.03	99.83	0.00
65	(65)	Croatia	904	0.02	99.85	0.00
66	(66)	Cuba	895	0.02	99.88	0.00
67	(67)	Austria	743	0.02	99.89	0.00
68	(68)	South Africa	554	0.01	99.91	0.00
69	(71)	Gabon	502	0.01	99.92	0.00
70	(70)	Turkey	458	0.01	99.93	0.00
71	(72)	Serbia	409	0.01	99.94	0.00
72	(69)	Congo, Rep.	405	0.01	99.95	0.00
73	(73)	Ecuador	268	0.01	99.96	0.00
74	(75)	Belarus	219	0.01	99.96	0.00
75	(80)	France	206	0.01	99.97	0.00
76	(74)	Korea, South	177	0.00	99.97	0.00
77	(77)	Czech Republic	173	0.00	99.98	0.00

78	(82)	Jordan	150	0.00	99.98	0.00
79	(76)	Taiwan	105	0.00	99.99	0.00
80	(81)	Yemen	100	0.00	99.99	0.00
81	(83)	Morocco	98	0.00	99.99	0.00
82	(79)	Afghanistan	80	0.00	99.99	0.00
83	(84)	Slovakia	70	0.00	99.99	0.00
84	(86)	Bulgaria	55	0.00	100.00	0.00
85	(85)	Albania	55	0.00	100.00	0.00
86	(78)	Spain	54	0.00	100.00	0.00
87	(87)	Kyrgyzstan	22	0.00	100.00	0.00
88	(88)	Senegal	14	0.00	100.00	0.00
89	(89)	Barbados	11	0.00	100.00	0.00
90	(90)	Georgia	9	0.00	100.00	0.00
91	(91)	Greece	6	0.00	100.00	0.00
92	(92)	Slovenia	6	0.00	100.00	0.00
93	(93)	Tajikistan	1	0.00	100.00	0.00
		Total	3 967 171	100.00		HHI 1 027

Petroleum

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	775 016 000	18.56	18.56	344.52
2	(3)	Saudi Arabia	519 613 000	12.44	31.01	154.86
3	(2)	Russia	512 761 000	12.28	43.29	150.81
4	(4)	Canada	253 064 300	6.06	49.35	36.73
5	(5)	Iraq	202 037 850	4.84	54.19	23.41
6	(6)	China	194 768 600	4.66	58.85	21.76
7	(7)	United Arab Emirates	165 622 270	3.97	62.82	15.73
8	(9)	Brazil	151 759 400	3.63	66.45	13.21
9	(8)	Iran	142 736 450	3.42	69.87	11.69
10	(10)	Kuwait	121 347 440	2.91	72.78	8.45
11	(12)	Mexico	93 860 550	2.25	75.02	5.05
12	(14)	Norway	93 090 400	2.23	77.25	4.97
13	(11)	Nigeria	87 891 000	2.10	79.36	4.43
14	(13)	Kazakhstan	85 656 100	2.05	81.41	4.21
15	(15)	Qatar	77 040 550	1.85	83.25	3.40
16	(16)	Angola	60 735 930	1.45	84.71	2.12
17	(17)	Algeria	57 426 000	1.38	86.08	1.89
18	(19)	United Kingdom	49 361 500	1.18	87.27	1.40
19	(20)	Oman	47 460 200	1.14	88.40	1.29
20	(22)	Colombia	38 993 490	0.93	89.34	0.87
21	(24)	Indonesia	35 367 913	0.85	90.18	0.72
22	(23)	Azerbaijan	34 531 900	0.83	91.01	0.68
23	(25)	India	30 494 090	0.73	91.74	0.53
24	(26)	Egypt	30 001 810	0.72	92.46	0.52
25	(27)	Malaysia	27 679 100	0.66	93.12	0.44
26	(21)	Venezuela	27 390 800	0.66	93.78	0.43
27	(29)	Argentina	23 992 500	0.57	94.35	0.33
28	(28)	Ecuador	23 932 000	0.57	94.93	0.33
29	(30)	Australia	22 301 990	0.53	95.46	0.29
30	(18)	Libya	19 388 800	0.46	95.93	0.22
31	(31)	Congo, Rep.	14 940 000	0.36	96.28	0.13
32	(34)	Gabon	10 766 000	0.26	96.54	0.07
33	(32)	Thailand	10 077 510	0.24	96.78	0.06
34	(33)	Vietnam	9 650 000	0.23	97.01	0.05

35	(36)	Ghana	9 561 000	0.23	97.24	0.05
36	(35)	Turkmenistan	9 490 000	0.23	97.47	0.05
37	(37)	South Sudan	8 372 600	0.20	97.67	0.04
38	(38)	Equatorial Guinea	7 154 660	0.17	97.84	0.03
39	(40)	Chad	6 303 000	0.15	97.99	0.02
40	(39)	Peru	6 221 400	0.15	98.14	0.02
41	(41)	Brunei	5 479 350	0.13	98.27	0.02
42	(44)	Italy	5 383 940	0.13	98.40	0.02
43	(43)	Pakistan	3 832 330	0.09	98.49	0.01
44	(46)	Sudan	3 764 600	0.09	98.58	0.01
45	(85)	Guyana	3 709 780	0.09	98.67	0.01
46	(48)	Cameroon	3 622 200	0.09	98.76	0.01
47	(45)	Trinidad and Tobago	3 600 510	0.09	98.85	0.01
48	(42)	Denmark	3 556 200	0.09	98.93	0.01
49	(47)	Romania	3 457 000	0.08	99.01	0.01
50	(49)	Turkey	3 202 924	0.08	99.09	0.01
51	(51)	Ukraine	2 429 700	0.06	99.15	0.00
52	(52)	Yemen	2 411 100	0.06	99.21	0.00
53	(53)	Cuba	2 230 000	0.05	99.26	0.00
54	(55)	Bahrain	2 162 350	0.05	99.31	0.00
55	(50)	Uzbekistan	2 141 800	0.05	99.36	0.00
56	(54)	Bolivia	2 065 070	0.05	99.41	0.00
57	(61)	Syria	1 964 180	0.05	99.46	0.00
58	(57)	Papua New Guinea	1 960 100	0.05	99.51	0.00
59	(56)	Germany	1 895 942	0.05	99.55	0.00
60	(58)	Tunisia	1 748 400	0.04	99.59	0.00
61	(60)	Belarus	1 710 000	0.04	99.63	0.00
62	(59)	Cote d'Ivoire	1 470 100	0.04	99.67	0.00
63	(63)	Congo, D.R.	1 191 660	0.03	99.70	0.00
64	(62)	New Zealand	963 860	0.02	99.72	0.00
65	(66)	Poland	911 430	0.02	99.74	0.00
66	(69)	Netherlands	862 200	0.02	99.76	0.00
67	(70)	Serbia	859 226	0.02	99.78	0.00
68	(68)	Niger	855 500	0.02	99.80	0.00
69	(67)	Hungary	841 000	0.02	99.82	0.00
70	(71)	Suriname	818 400	0.02	99.84	0.00
71	(64)	Albania	758 170	0.02	99.86	0.00
72	(72)	France	644 700	0.02	99.88	0.00
73	(73)	Croatia	631 800	0.02	99.89	0.00
74	(75)	Austria	609 254	0.01	99.91	0.00
75	(74)	Philippines	568 700	0.01	99.92	0.00
76	(65)	Mongolia	560 000	0.01	99.93	0.00
77	(76)	Bangladesh	522 570	0.01	99.95	0.00
78	(78)	Japan	461 000	0.01	99.96	0.00
79	(77)	Guatemala	389 000	0.01	99.97	0.00
80	(79)	Myanmar	355 900	0.01	99.98	0.00
81	(80)	Kyrgyzstan	240 200	0.01	99.98	0.00
82	(83)	Israel	130 427	0.00	99.98	0.00
83	(82)	Chile	102 640	0.00	99.99	0.00
84	(81)	Greece	91 500	0.00	99.99	0.00
85	(84)	Czech Republic	91 000	0.00	99.99	0.00
86	(86)	Mozambique	55 940	0.00	99.99	0.00
87	(90)	Kenya	41 000	0.00	99.99	0.00
88	(91)	South Africa	31 974	0.00	99.99	0.00
89	(88)	Lithuania	31 630	0.00	100.00	0.00
90	(89)	Georgia	31 300	0.00	100.00	0.00
91	(87)	Spain	27 537	0.00	100.00	0.00
92	(93)	Senegal	25 280	0.00	100.00	0.00
93	(94)	Tajikistan	24 400	0.00	100.00	0.00
94	(92)	Barbados	23 590	0.00	100.00	0.00
95	(96)	Bulgaria	20 500	0.00	100.00	0.00
96	(95)	Korea, South	13 990	0.00	100.00	0.00

97	(98)	Moldova	5 032	0.00	100.00	0.00
98	(99)	Morocco	4 098	0.00	100.00	0.00
99	(97)	Slovakia	3 790	0.00	100.00	0.00
100	(100)	Taiwan	1 860	0.00	100.00	0.00
101	(101)	Jordan	1 600	0.00	100.00	0.00
102	(102)	Slovenia	385	0.00	100.00	0.00
Total			4 175 460 722	100.00		HHI 816

Oil Sands (part of Petroleum)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Canada	153 043 300	91.13	91.13	8 304.30
2	(2)	Venezuela	14 900 000	8.87	100.00	78.71
Total			167 943 300	100.00		HHI 8 383

Oil Shales

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Estonia	12 144 400	93.03	93.03	8 653.77
2	(2)	Germany	471 404	3.61	96.64	13.04
3	(3)	Israel	392 990	3.01	99.65	9.06
4	(4)	Bulgaria	44 000	0.34	99.98	0.11
5	(5)	France	2 000	0.02	100.00	0.00
6	(6)	Austria	100	0.00	100.00	0.00
Total			13 054 894	100.00		HHI 8 676

Uranium (U₃O₈)

Rank 2020	Rank 2019	Country	Production 2020 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Kazakhstan	22 967	40.82	40.82	1 665.98
2	(3)	Australia	7 273	12.93	53.74	167.07
3	(4)	Namibia	6 382	11.34	65.08	128.64
4	(2)	Canada	4 817	8.56	73.64	73.28
5	(5)	Uzbekistan	4 127	7.33	80.98	53.79
6	(6)	Niger	3 527	6.27	87.25	39.29
7	(7)	Russia	3 356	5.96	93.21	35.57
8	(8)	China	2 223	3.95	97.16	15.61
9	(9)	Ukraine	877	1.56	98.72	2.43
10	(10)	India	472	0.84	99.56	0.70
11	(11)	South Africa	131	0.23	99.79	0.05
12	(13)	Pakistan	53	0.09	99.89	0.01

13	(14)	Czech Republic	29	0.05	99.94	0.00
14	(16)	Brazil	20	0.04	99.97	0.00
15	(15)	Germany	8	0.01	99.99	0.00
16	(12)	United States	7	0.01	100.00	0.00
		Total	56 269	100.00		HHI 2 182

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

Afghanistan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	2 000	2 000	2 000	2 000	2 000	0.00	0.00
Fluorspar	(t)	7 624	7 522	10 000	50 000	10 000	31.16	-80.00
Gypsum	(t)	57 000	40 000	36 161	24 371	15 049	-73.60	-38.25
Salt	(t)	56 928	75 579	47 944	114 245	10 627	-81.33	-90.70
Steam Coal	(t)	1 698 200	2 191 400	2 444 600	2 139 200	56 620	-96.67	-97.35
Nat. Gas	(Mio m ³)	165	156	153	129	80	-51.52	-37.98
Total	(t)	1 953 752	2 441 301	2 663 105	2 433 016	158 296		

Albania

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	317 500	351 500	497 100	488 700	212 650	-33.02	-56.49
Nickel	(t)	4 400	5 760	4 050	2 960	3 760	-14.55	27.03
Copper	(t)	2 020	0	3 780	5 900	3 070	51.98	-47.97
Gypsum	(t)	131 924	104 120	102 016	98 000	111 880	-15.19	14.16
Salt	(t)	15 500	25 500	31 500	30 000	30 000	93.55	0.00
Steam Coal	(t)	16 800	138 800	295 800	95 380	151 231	800.18	58.56
Nat. Gas	(Mio m ³)	88	91	82	71	55	-37.50	-22.54
Petroleum	(t)	1 055 730	958 940	910 670	1 005 090	758 170	-28.19	-24.57
Total	(t)	1 614 274	1 657 420	1 910 516	1 782 830	1 314 761		

Algeria

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	328 300	268 400	381 200	409 900	406 600	23.85	-0.81
Zinc	(t)	330	350	500	500	1 000	203.03	100.00
Gold	(kg)	102	137	286	70	58	-43.14	-17.14
Silver	(kg)	20	25	30	30	20	0.00	-33.33
Baryte	(t)	39 980	29 159	39 426	31 138	32 940	-17.61	5.79
Bentonite	(t)	37 100	35 600	36 000	36 700	34 200	-7.82	-6.81
Diatomite	(t)	2 535	2 439	2 468	2 437	3 040	19.92	24.74

Abbreviations: see Definitions

Feldspar	(t)	168 000	170 000	170 000	170 000	170 000	1.19	0.00
Gypsum	(t)	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	0.00	0.00
Kaolin	(t)	96 000	100 000	100 000	100 000	100 000	4.17	0.00
Phosphates	(t)	433 200	378 100	409 400	455 100	409 900	-5.38	-9.93
Salt	(t)	158 000	165 000	106 200	100 800	95 100	-39.81	-5.65
Sulfur	(t)	6 000	6 000	6 000	6 000	6 000	0.00	0.00
Nat. Gas	(Mio m ³)	94 953	96 599	97 467	90 349	85 119	-10.36	-5.79
Petroleum	(t)	68 417 000	66 667 000	65 331 000	64 330 000	57 426 000	-16.06	-10.73
Total	(t)	147 848 845	147 301 248	146 755 794	140 121 775	128 979 980		

Angola

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Diam. (Gem)	(ct)	8 119 320	8 494 920	8 490 500	8 234 770	6 960 850	-14.27	-15.47
Diam. (Ind)	(ct)	902 147	943 880	943 390	914 975	773 430	-14.27	-15.47
Gypsum	(t)	0	32 000	32 000	32 000	32 000	.	0.00
Salt	(t)	93 000	101 000	110 000	109 000	164 400	76.77	50.83
Nat. Gas	(Mio m ³)	1 710	5 800	6 190	6 800	7 278	325.61	7.03
Petroleum	(t)	85 152 000	78 578 410	71 284 690	66 171 070	60 735 930	-28.67	-8.21
Total	(t)	86 613 002	83 351 412	76 378 692	71 752 072	66 754 731		

Argentina

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	107 280	28 400	40 560	0	0	-100.00	.
Molybdenum	(t)	479	651	364	0	0	-100.00	.
Aluminium	(t)	428 957	431 239	439 600	438 434	309 804	-27.78	-29.34
Cadmium	(t)	91	96	74	80	46	-49.45	-42.50
Copper	(t)	81 902	33 303	17 435	0	0	-100.00	.
Lead	(t)	28 016	40 135	28 260	42 957	23 008	-17.88	-46.44
Lithium	(t)	12 200	12 360	13 810	13 670	12 620	3.44	-7.68
Mercury	(t)	135	54	50	50	0	-100.00	-100.00
Zinc	(t)	22 792	23 392	22 050	19 462	11 320	-50.33	-41.84
Gold	(kg)	56 967	60 956	58 397	53 125	34 936	-38.67	-34.24
Silver	(kg)	1 055 700	997 961	1 023 768	1 070 670	767 087	-27.34	-28.35
Asbestos	(t)	0	26	0	0	0	.	.
Baryte	(t)	12 389	15 553	7 225	3 898	0	-100.00	-100.00
Bentonite	(t)	145 723	156 750	184 969	120 000	98 000	-32.75	-18.33
Boron	(t)	148 390	129 918	71 212	181 818	134 604	-9.29	-25.97
Diatomite	(t)	57 113	70 419	72 490	94 610	98 575	72.60	4.19
Feldspar	(t)	155 217	154 770	124 500	10 000	32 000	-79.38	220.00
Fluorspar	(t)	14 222	13 696	7 924	1 500	48 000	237.51	3 100.00
Gypsum	(t)	1 558 390	1 275 608	897 217	761 013	499 092	-67.97	-34.42
Kaolin	(t)	26 198	19 940	17 000	11 853	20 628	-21.26	74.03
Perlite	(t)	17 905	19 924	18 794	1 850	2 000	-88.83	8.11

Abbreviations: see Definitions

Salt	(t)	1 812 285	1 929 065	1 784 020	1 566 600	1 013 400	-44.08	-35.31
Talc	(t)	16 266	15 330	13 072	10 000	2 304	-85.84	-76.96
Vermiculite	(t)	60	0	0	0	0	-100.00	.
Steam Coal	(t)	40 597	37 713	81 993	154 782	24 800	-38.91	-83.98
Nat. Gas (Mio m ³)		40 760	39 740	40 930	43 220	39 570	-2.92	-8.45
Petroleum	(t)	25 487 500	23 879 000	24 369 600	25 323 400	23 992 500	-5.87	-5.26
Total	(t)	62 783 220	60 080 401	60 957 301	63 333 101	57 979 503		

Armenia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Molybdenum	(t)	5 771	5 038	5 422	7 137	11 909	106.36	66.86
Bismuth	(t)	1	1	0	0	0	-100.00	.
Copper	(t)	95 080	95 793	68 928	91 214	83 291	-12.40	-8.69
Rhenium	(kg)	280	260	280	310	260	-7.14	-16.13
Selenium	(t)	1	1	0	0	0	-100.00	.
Zinc	(t)	4 960	6 070	6 946	7 162	8 684	75.08	21.25
Gold	(kg)	3 732	4 670	4 967	5 825	5 317	42.47	-8.72
Silver	(kg)	14 100	17 200	16 700	17 922	19 493	38.25	8.77
Bentonite	(t)	13 956	24 712	0	0	0	-100.00	.
Diatomite	(t)	25 486	23 465	0	0	0	-100.00	.
Gypsum	(t)	14 831	14 336	20 387	22 907	28 508	92.22	24.45
Perlite	(t)	44 820	14 036	51 222	80 676	104 410	132.95	29.42
Salt	(t)	68 435	137 236	155 393	56 685	24 401	-64.34	-56.95
Sulfur	(t)	8 500	8 100	10 500	10 500	11 500	35.29	9.52
Total	(t)	281 859	328 810	318 820	276 305	272 727	-3.24	-1.29

Australia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	531 075 350	548 297 062	560 054 570	567 957 086	568 384 644	7.03	0.08
Cobalt	(t)	5 183	5 034	4 878	5 741	5 630	8.62	-1.93
Manganese	(t)	2 388 500	2 879 010	3 514 320	3 259 200	3 356 030	40.51	2.97
Nickel	(t)	203 135	185 466	160 022	158 751	169 344	-16.63	6.67
Tantalum	(t)	10	20	40	80	50	400.00	-37.50
Titanium	(t)	1 070 000	993 000	875 250	780 465	830 800	-22.36	6.45
Tungsten	(t)	108	5	10	30	100	-7.41	233.33
Aluminium	(t)	1 633 904	1 487 555	1 574 239	1 569 619	1 585 017	-2.99	0.98
Antimony	(t)	4 285	3 131	2 173	2 032	3 903	-8.91	92.08
Bauxite	(t)	83 517 148	89 420 589	95 947 593	105 543 787	103 626 811	24.08	-1.82
Copper	(t)	947 555	849 121	910 896	925 157	879 522	-7.18	-4.93
Lead	(t)	441 338	395 190	446 571	500 985	494 271	11.99	-1.34
Lithium	(t)	29 640	98 260	114 920	103 000	88 550	198.75	-14.03
Rare Earths	(t)	13 872	17 264	18 556	17 660	19 440	40.14	10.08
Tin	(t)	6 635	7 402	6 871	7 738	8 118	22.35	4.91
Zinc	(t)	884 826	852 164	1 146 781	1 337 321	1 314 910	48.61	-1.68

Abbreviations: see Definitions

Gold	(kg)	290 767	292 022	313 028	326 304	327 889	12.77	0.49
Palladium	(kg)	610	610	430	390	420	-31.15	7.69
Platinum	(kg)	152	155	110	95	100	-34.21	5.26
Silver	(kg)	1 418 219	1 120 175	1 254 480	1 325 089	1 337 344	-5.70	0.92
Baryte	(t)	7 139	8 958	6 535	1 982	0	-100.00	-100.00
Bentonite	(t)	59 000	68 000	87 330	56 000	65 000	10.17	16.07
Diam. (Gem)	(ct)	279 160	342 690	280 160	243 090	199 600	-28.50	-17.89
Diam. (Ind)	(ct)	13 678 840	16 792 040	13 727 890	11 911 450	9 780 400	-28.50	-17.89
Diatomite	(t)	1 033	1 085	4	8	2 011	94.68	25 037.50
Feldspar	(t)	31 768	329	542	50	1 241	-96.09	2 382.00
Gypsum	(t)	3 664 700	3 184 480	4 070 814	3 676 467	3 422 265	-6.62	-6.91
Kaolin	(t)	222 229	192 150	173 738	114 050	154 812	-30.34	35.74
Magnesite	(t)	469 455	210 844	263 446	413 182	799 203	70.24	93.43
Perlite	(t)	620	275	2 285	1 264	2 185	252.42	72.86
Phosphates	(t)	238 494	216 670	195 720	165 750	215 700	-9.56	30.14
Salt	(t)	10 915 520	12 218 780	13 493 556	12 173 391	12 212 483	11.88	0.32
Sulfur	(t)	900 000	900 000	900 000	900 000	900 000	0.00	0.00
Talc	(t)	111 000	120 000	130 000	140 000	110 000	-0.90	-21.43
Zircon	(t)	600 000	430 850	522 400	468 900	380 000	-36.67	-18.96
Steam Coal	(t)	249 568 000	252 748 000	259 784 000	271 388 000	267 529 000	7.20	-1.42
Coking Coal	(t)	189 302 000	190 000 000	179 350 000	189 066 000	183 740 000	-2.94	-2.82
Lignite	(t)	61 473 000	56 719 000	45 956 000	43 315 000	41 513 000	-32.47	-4.16
Nat. Gas (Mio m ³)		97 328	113 805	130 987	154 485	154 263	58.50	-0.14
Petroleum	(t)	17 188 000	15 591 100	16 703 800	22 192 000	22 301 990	29.75	0.50
Uranium	(t)	7 352	6 736	7 737	7 726	7 273	-1.07	-5.86
Total	(t)	1 234 844 912	1 269 152 946	1 291 216 767	1 349 838 075	1 337 535 370		

Austria

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	888 723	954 156	897 132	1 037 470	973 840	9.58	-6.13
Tungsten	(t)	954	975	936	892	896	-6.08	0.45
Feldspar	(t)	35 000	35 000	35 000	35 000	35 000	0.00	0.00
Graphite	(t)	150	150	150	100	100	-33.33	0.00
Gypsum	(t)	674 346	712 469	836 862	900 217	900 619	33.55	0.04
Kaolin	(t)	13 558	13 500	13 500	13 500	13 500	-0.43	0.00
Magnesite	(t)	645 593	730 482	808 239	691 909	816 370	26.45	17.99
Salt	(t)	1 034 003	1 156 326	1 176 807	1 212 158	1 014 554	-1.88	-16.30
Sulfur	(t)	5 474	7 691	6 980	6 768	6 564	19.91	-3.01
Talc	(t)	123 040	123 558	127 866	124 184	123 000	-0.03	-0.95
Nat. Gas (Mio m ³)		1 253	1 742	969	891	743	-40.70	-16.61
Oil Shales	(t)	169	170	150	100	100	-40.83	0.00
Petroleum	(t)	809 189	741 890	681 842	642 953	609 254	-24.71	-5.24
Total	(t)	5 232 599	5 869 967	5 360 664	5 378 051	5 088 197		

Abbreviations: see Definitions

Azerbaijan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	10 710	0	0	0	0	-100.00	.
Aluminium	(t)	36 800	28 500	45 390	32 700	28 560	-22.39	-12.66
Copper	(t)	1 947	2 063	1 650	2 213	2 591	33.08	17.08
Gold	(kg)	2 034	3 667	4 239	3 897	3 635	78.71	-6.72
Silver	(kg)	5 136	6 949	8 943	8 160	7 590	47.78	-6.99
Bentonite	(t)	54 545	235 617	212 300	222 500	155 100	184.35	-30.29
Gypsum	(t)	155 800	85 100	270 471	314 224	297 594	91.01	-5.29
Salt	(t)	63 931	66 968	66 699	77 116	76 401	19.51	-0.93
Nat. Gas	(Mio m ³)	18 718	18 186	19 207	24 514	26 487	41.51	8.05
Petroleum	(t)	41 050 400	38 688 400	38 814 300	37 501 200	34 531 900	-15.88	-7.92
Total	(t)	56 348 540	53 655 459	54 776 423	57 761 165	56 281 758		

Bahamas

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt	(t)	308 007	349 710	854 223	714 387	623 007	102.27	-12.79
Total	(t)	308 007	349 710	854 223	714 387	623 007		

Bahrain

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	971 420	981 016	1 011 101	1 365 005	1 548 500	59.41	13.44
Sulfur	(t)	134 790	144 805	139 370	139 655	125 350	-7.00	-10.24
Nat. Gas	(Mio m ³)	15 200	15 230	15 420	17 120	17 230	13.36	0.64
Petroleum	(t)	2 422 200	2 202 200	2 097 100	2 109 850	2 162 350	-10.73	2.49
Total	(t)	15 688 410	15 512 021	15 583 571	17 310 510	17 620 200		

Bangladesh

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt	(t)	1 620 000	1 660 000	1 490 000	1 224 000	1 649 000	1.79	34.72
Steam Coal	(t)	1 021 638	1 160 658	923 276	805 696	811 138	-20.60	0.68
Nat. Gas	(Mio m ³)	27 558	27 450	27 430	27 230	24 990	-9.32	-8.23
Petroleum	(t)	559 240	592 650	589 650	565 140	522 570	-6.56	-7.53
Total	(t)	25 247 278	25 373 308	24 946 926	24 378 836	22 974 708		

Abbreviations: see Definitions

Barbados

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Nat. Gas (Mio m ³)		17	15	14	14	11	-35.29	-21.43
Petroleum	(t)	31 750	32 050	30 070	28 560	23 590	-25.70	-17.40
Total	(t)	45 350	44 050	41 270	39 760	32 390		

Belarus

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Potash	(t)	6 180 100	7 101 800	7 346 096	7 348 293	7 562 153	22.36	2.91
Salt	(t)	2 480 000	2 629 000	2 904 097	2 517 590	1 198 290	-51.68	-52.40
Nat. Gas (Mio m ³)		215	205	211	218	219	1.86	0.46
Petroleum	(t)	1 645 000	1 650 000	1 670 000	1 690 000	1 710 000	3.95	1.18
Total	(t)	10 477 100	11 544 800	12 088 993	11 730 283	10 645 643		

Belgium

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Arsenic	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Indium	(t)	20	20	20	20	20	0.00	0.00
Selenium	(t)	200	200	200	200	200	0.00	0.00
Total	(t)	1 220	1 220	1 220	1 220	1 220		

Benin

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	7	5	5	5	5	-28.57	0.00
Salt	(t)	500	500	500	500	500	0.00	0.00
Total	(t)	500	500	500	500	500		

Bhutan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	17 960	21 100	24 220	23 590	9 430	-47.49	-60.03
Gypsum	(t)	317 597	328 128	461 128	490 596	331 050	4.24	-32.52
Talc	(t)	2 261	1 293	2 042	1 375	972	-57.01	-29.31

Abbreviations: see Definitions

Steam Coal	(t)	117 783	161 527	186 824	184 785	72 838	-38.16	-60.58
Total	(t)	455 601	512 048	674 214	700 346	414 290		

Bolivia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	1 710	22 230	41 560	45 830	15 410	801.17	-66.38
Manganese	(t)		0	110	3 660	4 710	.	28.69
Tantalum	(t)	0	3	18	10	8	.	-20.00
Tungsten	(t)	1 109	1 015	1 366	1 064	1 347	21.46	26.60
Antimony	(t)	2 669	2 881	3 110	2 747	2 629	-1.50	-4.30
Arsenic	(t)	38	20	238	126	50	31.58	-60.32
Bismuth	(t)	57	8	39	0	55	-3.51	.
Copper	(t)	8 718	7 219	5 216	4 478	2 822	-67.63	-36.98
Lead	(t)	89 906	113 286	112 140	88 002	64 619	-28.13	-26.57
Lithium	(t)	10	20	10	160	80	700.00	-50.00
Tin	(t)	17 460	18 386	17 251	17 147	14 709	-15.76	-14.22
Zinc	(t)	486 955	527 206	519 630	527 521	358 411	-26.40	-32.06
Gold	(kg)	22 545	28 726	31 599	42 000	23 207	2.94	-44.75
Silver	(kg)	1 356 620	1 222 371	1 191 024	1 153 109	929 909	-31.45	-19.36
Baryte	(t)	16 632	29 114	53 163	39 458	9 611	-42.21	-75.64
Bentonite	(t)	525	68	2	0	0	-100.00	.
Boron	(t)	182 685	208 388	216 403	214 269	258 019	41.24	20.42
Gypsum	(t)	1 182	473	1 136	3 905	14 996	1 168.70	284.02
Potash	(t)		0	1 700	17 800	4 400	.	-75.28
Salt	(t)	4 534	3 358	5 373	4 494	14 949	229.71	232.64
Nat. Gas	(Mio m ³)	21 280	20 695	19 341	17 046	16 384	-23.01	-3.88
Petroleum	(t)	2 817 500	2 711 300	2 534 273	2 244 260	2 065 070	-26.71	-7.98
Total	(t)	20 657 070	20 202 226	18 986 761	16 852 926	15 940 048		

Bosnia-Herzegovina

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	893 420	827 170	704 050	739 600	727 980	-18.52	-1.57
Manganese	(t)	1 000	0	0	0	0	-100.00	.
Aluminium	(t)	106 649	125 536	131 508	67 690	0	-100.00	-100.00
Bauxite	(t)	738 609	740 384	760 244	1 043 343	619 748	-16.09	-40.60
Lead	(t)	6 600	6 740	7 070	7 470	6 110	-7.42	-18.21
Zinc	(t)	8 840	9 180	9 350	9 160	6 610	-25.23	-27.84
Bentonite	(t)	102 858	92 344	87 358	94 601	69 183	-32.74	-26.87
Gypsum	(t)	61 231	99 001	122 421	130 788	140 994	130.27	7.80
Kaolin	(t)	271 502	252 959	303 626	118 005	108 174	-60.16	-8.33

Abbreviations: see Definitions

Magnesite	(t)	7 300	8 500	5 950	1 400	652	-91.07	-53.43
Salt	(t)	966 177	1 029 302	1 063 458	1 069 210	947 838	-1.90	-11.35
Lignite	(t)	13 481 012	14 033 504	14 378 767	13 376 548	13 365 730	-0.86	-0.08
Total	(t)	16 645 198	17 224 620	17 573 802	16 657 815	15 993 019		

Botswana

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Cobalt	(t)	281	0	0	0	0	-100.00	.
Nickel	(t)	16 878	0	0	0	0	-100.00	.
Copper	(t)	13 120	1 239	1 462	0	0	-100.00	.
Gold	(kg)	833	913	1 105	943	851	2.16	-9.76
Diam. (Gem)	(ct)	14 623 700	16 058 700	17 064 600	16 580 900	11 807 600	-19.26	-28.79
Diam. (Ind)	(ct)	6 267 300	6 882 300	7 313 400	7 106 100	5 060 400	-19.26	-28.79
Salt	(t)	399 837	369 613	367 988	383 779	418 379	4.64	9.02
Steam Coal	(t)	1 870 939	2 215 782	2 482 313	2 110 891	1 923 992	2.84	-8.85
Total	(t)	2 301 060	2 586 639	2 851 768	2 494 675	2 342 375		

Brazil

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	267 983 700	289 089 904	287 611 275	255 272 650	246 790 595	-7.91	-3.32
Chromium	(t)	166 259	212 503	219 724	199 256	226 762	36.39	13.80
Cobalt	(t)	852	185	4	0	0	-100.00	.
Manganese	(t)	1 198 709	1 343 967	1 280 825	1 452 034	493 601	-58.82	-66.01
Nickel	(t)	78 626	68 803	65 254	55 744	77 133	-1.90	38.37
Niobium	(t)	80 669	83 166	99 554	127 220	85 572	6.08	-32.74
Tantalum	(t)	234	270	345	340	300	28.21	-11.76
Titanium	(t)	37 660	66 930	73 090	81 650	61 940	64.47	-24.14
Tungsten	(t)	323	411	300	431	371	14.86	-13.92
Vanadium	(t)	6 544	6 798	6 562	7 045	7 582	15.86	7.62
Aluminium	(t)	792 700	801 700	659 000	650 200	685 100	-13.57	5.37
Bauxite	(t)	39 244 200	38 072 100	32 377 000	31 937 900	32 897 800	-16.17	3.01
Beryllium	(t)	125	69	39	9	10	-92.00	11.11
Cadmium	(t)	200	180	300	450	100	-50.00	-77.78
Copper	(t)	338 921	384 542	385 762	363 268	352 635	4.05	-2.93
Indium	(t)	5	5	0	0	0	-100.00	.
Lead	(t)	9 015	6 959	7 277	5 715	5 351	-40.64	-6.37
Lithium	(t)	440	533	600	2 390	3 710	743.18	55.23
Rare Earths	(t)	2 900	1 900	800	600	708	-75.59	18.00
Tin	(t)	15 183	17 081	17 591	14 867	16 893	11.26	13.63
Zinc	(t)	158 197	156 348	167 249	163 394	174 490	10.30	6.79
Gold	(kg)	94 153	79 717	85 198	89 988	98 922	5.07	9.93
Silver	(kg)	48 793	46 400	49 600	50 000	50 000	2.47	0.00

Abbreviations: see Definitions

Asbestos	(t)	177 800	129 094	111 439	12 205	77 057	-56.66	531.36
Baryte	(t)	12 133	16 275	9 377	9 223	1 849	-84.76	-79.95
Bentonite	(t)	448 004	616 929	500 000	403 763	217 055	-51.55	-46.24
Diam. (Gem)	(ct)	60 560	84 115	82 810	53 240	43 200	-28.67	-18.86
Diam. (Ind)	(ct)	122 955	170 780	168 130	108 085	87 700	-28.67	-18.86
Diatomite	(t)	16 408	30 192	20 562	17 673	35 574	116.81	101.29
Feldspar	(t)	295 778	519 605	592 284	634 489	450 573	52.33	-28.99
Fluorspar	(t)	18 260	25 522	28 195	24 399	24 730	35.43	1.36
Graphite	(t)	61 687	95 000	78 981	81 770	67 020	8.65	-18.04
Gypsum	(t)	2 674 154	2 176 356	2 666 002	2 842 654	2 850 063	6.58	0.26
Kaolin	(t)	1 737 000	1 681 188	1 685 255	1 476 802	1 239 591	-28.64	-16.06
Magnesite	(t)	1 652 424	2 303 971	1 900 000	1 530 000	1 550 000	-6.20	1.31
Phosphates	(t)	2 046 000	2 083 000	1 980 300	1 828 500	1 698 100	-17.00	-7.13
Potash	(t)	316 429	306 296	201 181	269 300	276 600	-12.59	2.71
Salt	(t)	7 510 314	7 381 546	7 227 300	6 700 500	6 463 100	-13.94	-3.54
Sulfur	(t)	530 000	530 000	450 000	460 000	450 000	-15.09	-2.17
Talc	(t)	494 157	500 000	660 000	650 000	650 000	31.54	0.00
Vermiculite	(t)	53 330	50 050	56 708	47 581	58 821	10.30	23.62
Zircon	(t)	21 302	19 016	17 844	17 136	10 994	-48.39	-35.84
Steam Coal	(t)	3 525 735	3 325 439	3 568 760	3 812 975	3 171 509	-10.05	-16.82
Lignite	(t)	3 480 217	1 488 084	1 422 500	1 596 696	2 309 404	-33.64	44.64
Nat. Gas (Mio m ³)		25 337	28 663	26 687	27 358	25 384	0.19	-7.22
Petroleum	(t)	130 144 400	136 052 700	134 122 000	143 933 400	151 759 400	16.61	5.44
Uranium	(t)	0	0	0	0	20	.	.
Total	(t)	485 600 737	512 575 143	501 620 974	478 570 769	475 549 462		

Brunei

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Nat. Gas (Mio m ³)		12 417	14 578	12 235	12 504	12 073	-2.77	-3.45
Petroleum	(t)	6 021 270	5 635 870	5 553 200	6 040 240	5 479 350	-9.00	-9.29
Total	(t)	15 954 870	17 298 270	15 341 200	16 043 440	15 137 750		

Bulgaria

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese	(t)	12 050	574	0	0	0	-100.00	.
Cadmium	(t)	362	333	313	315	311	-14.09	-1.27
Copper	(t)	111 870	110 290	112 850	114 240	107 610	-3.81	-5.80
Lead	(t)	22 040	22 860	24 200	23 350	20 680	-6.17	-11.43
Tellurium	(t)	4	5	4	3	4	0.00	33.33
Zinc	(t)	18 790	19 250	20 390	19 170	17 520	-6.76	-8.61
Gold	(kg)	7 920	8 670	8 995	7 467	9 349	18.04	25.20
Silver	(kg)	59 606	59 484	47 016	40 755	39 126	-34.36	-4.00
Baryte	(t)	50 000	64 000	70 000	72 000	41 000	-18.00	-43.06
Bentonite	(t)	37 100	54 100	45 000	45 000	40 900	10.24	-9.11
Fluorspar	(t)	4 400	0	0	0	0	-100.00	.
Gypsum	(t)	60 900	88 000	88 000	88 000	54 800	-10.02	-37.73

Abbreviations: see Definitions

Kaolin	(t)	338 600	322 800	323 000	330 000	276 000	-18.49	-16.36
Salt	(t)	3 300 000	3 400 000	3 400 000	3 400 000	2 700 000	-18.18	-20.59
Sulfur	(t)	395 500	501 000	474 100	423 600	497 000	25.66	17.33
Steam Coal	(t)	5 900	0	0	0	0	-100.00	.
Lignite	(t)	31 434 200	34 587 500	31 813 678	29 462 615	22 519 300	-28.36	-23.57
Nat. Gas (Mio m ³)		80	65	31	35	55	-31.25	57.14
Oil Shales	(t)			0	39 000	44 000	.	12.82
Petroleum	(t)	22 600	21 930	20 600	20 000	20 500	-9.29	2.50
Total	(t)	35 878 384	39 244 710	36 416 991	34 065 341	26 383 673		

Burkina Faso

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Zinc	(t)	80 950	91 530	99 162	106 680	78 990	-2.42	-25.96
Gold	(kg)	38 530	46 398	52 622	50 302	62 138	61.27	23.53
Silver	(kg)	5 670	5 470	6 160	5 670	10 012	76.58	76.58
Total	(t)	80 995	91 581	99 221	106 736	79 062		

Burundi

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Niobium	(t)	8	18	5	5	5	-37.50	0.00
Tantalum	(t)	11	26	8	8	7	-36.36	-12.50
Tungsten	(t)	77	144	108	150	166	115.58	10.67
Rare Earths	(t)	0	31	631	195	296	.	51.79
Tin	(t)	51	123	122	143	121	137.25	-15.38
Gold	(kg)	396	953	598	573	863	117.93	50.61
Total	(t)	147	343	875	502	596		

Cambodia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt	(t)	148 900	33 058	30 000	18 430	83 969	-43.61	355.61
Total	(t)	148 900	33 058	30 000	18 430	83 969		

Abbreviations: see Definitions

Cameroon

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	84 689	68 598	65 900	53 200	47 500	-43.91	-10.71
Gold	(kg)	542	713	448	341	400	-26.20	17.30
Diam. (Ind)	(ct)	994	1 757	1 805	1 737	2 438	145.27	40.36
Nat. Gas	(Mio m ³)	360	390	1 460	2 010	2 130	491.67	5.97
Petroleum	(t)	4 595 300	3 781 800	3 428 100	3 545 900	3 622 200	-21.18	2.15
Total	(t)	4 967 989	4 162 399	4 662 000	5 207 100	5 373 700		

Canada

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	28 505 600	30 682 700	32 180 800	33 020 200	31 980 900	12.19	-3.15
Cobalt	(t)	7 148	6 058	5 608	5 132	3 693	-48.34	-28.04
Molybdenum	(t)	2 783	4 765	5 048	4 385	2 671	-4.02	-39.09
Nickel	(t)	235 034	214 302	177 867	193 057	167 243	-28.84	-13.37
Niobium	(t)	6 099	6 981	7 700	6 800	6 400	4.94	-5.88
Titanium	(t)	550 000	670 000	620 000	550 000	480 000	-12.73	-12.73
Aluminium	(t)	3 208 888	3 212 124	2 924 389	2 853 771	3 118 710	-2.81	9.28
Antimony	(t)	0	1	5	2	2	.	0.00
Bismuth	(t)	3	4	5	4	4	33.33	0.00
Cadmium	(t)	2 305	1 802	1 857	1 803	1 800	-21.91	-0.17
Copper	(t)	695 508	597 194	548 011	543 609	475 898	-31.58	-12.46
Indium	(t)	71	67	58	61	63	-11.27	3.28
Lead	(t)	12 653	20 477	17 874	22 608	3 770	-70.20	-83.32
Lithium	(t)	0	66	8 750	1 200	0	.	-100.00
Selenium	(t)	175	72	85	102	102	-41.71	0.00
Tellurium	(t)	18	18	25	13	23	27.78	76.92
Zinc	(t)	321 272	346 776	304 964	323 000	210 707	-34.41	-34.77
Gold	(kg)	163 923	178 568	194 155	190 542	182 352	11.24	-4.30
Palladium	(kg)	21 200	19 140	20 880	23 340	21 430	1.08	-8.18
Platinum	(kg)	9 700	6 850	7 460	8 340	8 360	-13.81	0.24
Rhodium	(kg)	650	600	750	830	730	12.31	-12.05
Silver	(kg)	398 509	392 788	403 589	357 422	289 871	-27.26	-18.90
Baryte	(t)	20 000	50 000	50 000	40 000	40 000	100.00	0.00
Diam. (Gem)	(ct)	13 315 319	23 198 761	22 789 001	17 560 210	15 035 711	12.92	-14.38
Fluorspar	(t)		0	20 000	80 000	50 000	.	-37.50
Graphite	(t)	21 000	14 000	11 000	11 045	11 937	-43.16	8.08
Gypsum	(t)	1 678 573	3 001 390	3 240 451	2 444 963	2 915 270	73.68	19.24
Magnesite	(t)	150 000	150 000	150 000	150 000	150 000	0.00	0.00
Potash	(t)	10 789 662	12 562 695	14 023 931	12 643 318	13 881 665	28.66	9.79
Salt	(t)	10 252 161	11 423 624	10 713 206	11 935 716	13 260 613	29.34	11.10
Sulfur	(t)	5 381 000	5 327 000	5 333 000	4 808 913	4 904 051	-8.86	1.98
Talc	(t)	199 000	215 000	279 000	243 000	153 293	-22.97	-36.92
Steam Coal	(t)	25 077 000	23 049 000	17 929 000	16 452 800	12 904 000	-48.54	-21.57
Coking Coal	(t)	25 016 000	29 219 000	29 666 000	30 158 000	26 082 000	4.26	-13.52
Lignite	(t)	9 167 000	9 890 000	9 900 000	9 370 000	7 181 000	-21.66	-23.36
Nat. Gas	(Mio m ³)	167 162	173 475	177 821	170 890	167 733	0.34	-1.85

Abbreviations: see Definitions

Oil Sands*	(t)	130 356 500	144 006 100	156 864 600	158 766 200	153 043 300	17.40	-3.60
Petroleum	(t)	220 549 900	238 267 000	258 785 300	265 043 100	253 064 300	14.74	-4.52
Uranium	(t)	16 666	14 394	8 225	8 230	4 817	-71.10	-41.47
Total	(t)	475 595 717	507 727 114	529 169 591	527 627 416	505 241 837		

*Oil Sands as part of Petroleum

Cape Verde

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
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

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	33	118	142	359	401	1 115.15	11.70
Diam. (Gem)	(ct)	9 973	47 840	10 020	18 880	40 320	304.29	113.56
Diam. (Ind)	(ct)	2 493	11 960	2 505	4 720	10 080	304.33	113.56
Total	(t)	0	0	0	0	0		

Chad

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Petroleum	(t)	5 478 000	5 663 200	5 750 600	6 316 700	6 303 000	15.06	-0.22
Total	(t)	5 478 000	5 663 200	5 750 600	6 316 700	6 303 000		

Chile

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	9 008 873	9 549 327	8 942 638	8 427 224	9 890 886	9.79	17.37
Molybdenum	(t)	55 647	62 746	60 705	54 759	59 381	6.71	8.44
Copper	(t)	5 552 600	5 503 500	5 831 600	5 787 400	5 733 100	3.25	-0.94
Lead	(t)	1 110	1 562	712	7	1 386	24.86	19 700.00
Lithium	(t)	31 240	32 520	38 850	44 940	49 730	59.19	10.66
Mercury	(t)	2	5	3	0	0	-100.00	.
Rhenium	(kg)	22 542	20 451	26 052	24 003	14 549	-35.46	-39.39
Zinc	(t)	42 870	29 008	26 810	5 620	28 662	-33.14	410.00
Gold	(kg)	46 333	37 911	37 066	38 455	33 895	-26.84	-11.86
Silver	(kg)	1 501 436	1 318 582	1 370 237	1 309 321	1 575 794	4.95	20.35

Abbreviations: see Definitions

Bentonite	(t)	1 288	1 584	525	395	170	-86.80	-56.96
Boron	(t)	558 854	607 076	398 411	352 255	288 103	-48.45	-18.21
Diatomite	(t)	26 937	27 557	24 736	21 328	21 477	-20.27	0.70
Feldspar	(t)	6 352	4 421	2 789	55	329	-94.82	498.18
Gypsum	(t)	934 033	1 157 466	909 191	977 397	910 310	-2.54	-6.86
Kaolin	(t)	60 000	60 000	88 262	34 801	38 789	-35.35	11.46
Perlite	(t)	5 500	4 210	5 020	4 700	0	-100.00	-100.00
Phosphates	(t)	1 740	1 190	1 160	950	590	-66.09	-37.89
Potash	(t)	1 303 840	1 238 630	991 180	683 540	966 680	-25.86	41.42
Salt	(t)	8 139 914	7 440 741	10 012 105	10 476 823	9 574 159	17.62	-8.62
Sulfur	(t)	1 870 900	1 797 800	1 734 200	1 521 700	1 787 300	-4.47	17.45
Steam Coal	(t)	2 525 171	2 495 390	2 294 677	1 606 554	191 562	-92.41	-88.08
Nat. Gas (Mio m ³)		1 175	1 200	1 221	1 339	1 316	12.00	-1.72
Petroleum	(t)	215 080	177 760	160 330	161 520	102 640	-52.28	-36.45
Total	(t)	31 283 521	31 153 870	32 502 137	31 234 539	30 699 679		

China

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	228 483 100	215 920 000	209 243 800	219 375 000	225 400 000	-1.35	2.75
Chromium	(t)	12 200	12 000	16 330	27 250	31 950	161.89	17.25
Cobalt	(t)	9 293	8 300	3 100	3 000	2 200	-76.33	-26.67
Manganese	(t)	2 150 000	2 508 000	1 180 000	1 350 000	1 218 000	-43.35	-9.78
Molybdenum	(t)	112 590	117 090	98 420	104 670	95 970	-14.76	-8.31
Nickel	(t)	100 200	102 348	98 963	104 674	105 048	4.84	0.36
Niobium	(t)	30	30	20	20	30	0.00	50.00
Tantalum	(t)	120	110	100	135	180	50.00	33.33
Titanium	(t)	1 196 000	1 242 000	1 932 000	2 306 900	2 911 800	143.46	26.22
Tungsten	(t)	72 000	71 800	68 000	74 950	71 450	-0.76	-4.67
Vanadium	(t)	45 000	48 500	53 200	64 700	69 960	55.47	8.13
Aluminium	(t)	31 775 400	33 289 600	36 831 000	35 361 600	37 080 400	16.70	4.86
Antimony	(t)	103 620	97 683	70 396	68 422	60 995	-41.14	-10.85
Arsenic	(t)	25 000	25 000	24 000	24 000	24 000	-4.00	0.00
Bauxite	(t)	66 157 700	68 390 000	70 751 000	75 000 000	70 000 000	5.81	-6.67
Beryllium	(t)	1 250	1 250	1 250	1 750	1 750	40.00	0.00
Bismuth	(t)	7 100	6 800	7 000	7 000	7 500	5.63	7.14
Cadmium	(t)	8 222	8 411	10 349	10 000	10 000	21.62	0.00
Copper	(t)	1 851 000	1 706 400	1 618 480	1 683 450	1 718 940	-7.13	2.11
Gallium	(t)	171	290	305	356	290	69.59	-18.54
Germanium	(t)	110	87	95	85	86	-21.82	1.18
Indium	(t)	357	355	395	490	528	47.90	7.76
Lead	(t)	2 227 500	2 080 000	2 033 000	2 097 000	1 969 000	-11.60	-6.10
Lithium	(t)	6 000	14 700	15 300	19 000	28 800	380.00	51.58
Mercury	(t)	3 433	1 949	2 303	2 046	1 993	-41.95	-2.59
Rare Earths	(t)	105 000	105 000	120 000	132 000	140 000	33.33	6.06
Rhenium	(kg)	2 400	2 500	2 500	2 500	2 500	4.17	0.00
Selenium	(t)	772	720	930	1 250	1 120	45.08	-10.40
Tellurium	(t)	279	470	480	380	260	-6.81	-31.58
Tin	(t)	91 610	74 800	87 070	85 584	94 460	3.11	10.37
Zinc	(t)	4 635 000	3 868 500	3 721 000	4 213 000	4 058 000	-12.45	-3.68

Abbreviations: see Definitions

Gold	(kg)	453 500	426 142	401 119	380 230	365 340	-19.44	-3.92
Palladium	(kg)	1 300	1 400	1 300	1 300	1 300	0.00	0.00
Platinum	(kg)	3 000	2 500	2 500	2 500	2 500	-16.67	0.00
Silver	(kg)	3 754 200	3 601 800	3 421 400	3 443 200	3 377 800	-10.03	-1.90
Asbestos	(t)	203 000	125 000	170 000	125 000	120 000	-40.89	-4.00
Baryte	(t)	2 771 100	3 100 000	2 900 000	2 900 000	2 500 000	-9.78	-13.79
Bentonite	(t)	5 600 000	5 600 000	5 600 000	5 600 000	5 600 000	0.00	0.00
Boron	(t)	80 000	70 000	80 000	250 000	250 000	212.50	0.00
Diam. (Gem)	(ct)	127	230	99	51	21	-83.46	-58.82
Diatomite	(t)	400 000	400 000	280 000	420 000	420 000	5.00	0.00
Feldspar	(t)	2 400 000	2 500 000	2 500 000	2 450 000	2 450 000	2.08	0.00
Fluorspar	(t)	3 800 000	3 800 000	3 500 000	4 000 000	4 300 000	13.16	7.50
Graphite	(t)	780 000	625 000	630 000	700 000	665 000	-14.74	-5.00
Gypsum	(t)	25 400 000	25 000 000	25 000 000	25 000 000	25 000 000	-1.57	0.00
Kaolin	(t)	7 240 000	6 910 000	6 650 000	6 400 000	6 500 000	-10.22	1.56
Magnesite	(t)	16 840 000	18 500 000	19 000 000	19 000 000	19 000 000	12.83	0.00
Phosphates	(t)	43 319 400	36 939 600	28 897 800	27 997 200	26 679 960	-38.41	-4.70
Potash	(t)	5 783 000	5 534 000	5 452 000	5 902 000	5 530 000	-4.37	-6.30
Salt	(t)	66 201 000	66 541 700	63 636 100	67 014 400	58 526 800	-11.59	-12.67
Sulfur	(t)	13 908 100	13 488 700	13 762 700	14 450 000	15 340 000	10.30	6.16
Talc	(t)	2 000 000	1 800 000	2 000 000	2 450 000	2 000 000	0.00	-18.37
Vermiculite	(t)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Zircon	(t)	100 000	116 000	150 000	140 000	140 000	40.00	0.00
Steam Coal	(t)	2 505 708 000	2 671 559 000	2 850 962 000	2 970 445 000	3 004 550 000	19.91	1.15
Coking Coal	(t)	547 017 000	516 107 000	530 440 000	538 634 000	553 656 000	1.21	2.79
Nat. Gas (Mio m ³)		136 865	148 035	160 159	175 362	192 495	40.65	9.77
Petroleum	(t)	199 685 200	191 506 100	189 324 200	191 628 300	194 768 600	-2.46	1.64
Uranium	(t)	1 906	2 223	2 223	2 223	2 223	16.63	0.00
Total	(t)	3 897 963 977	4 018 408 551	4 207 106 338	4 367 970 265	4 427 153 043		

Christmas Island

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Phosphates	(t)	148 120	147 890	111 780	89 010	120 750	-18.48	35.66
Total	(t)	148 120	147 890	111 780	89 010	120 750		

Colombia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	322 100	320 790	258 990	299 980	353 950	9.89	17.99
Manganese	(t)	0	0	80	160	0	.	-100.00
Nickel	(t)	37 092	40 606	43 056	40 571	36 094	-2.69	-11.03
Tungsten	(t)	2	0	0	0	0	-100.00	.
Bauxite	(t)	693	2 400	13 666	18 033	9 595	1 284.56	-46.79
Copper	(t)	8 493	9 356	9 918	7 641	9 356	10.16	22.44
Tin	(t)			0	22	10	.	-54.55
Gold	(kg)	63 157	43 158	35 965	38 006	48 561	-23.11	27.77
Platinum	(kg)	917	567	270	178	414	-54.85	132.58
Silver	(kg)	11 866	12 076	16 691	14 479	19 948	68.11	37.77

Abbreviations: see Definitions

Baryte	(t)	3 068	2 028	3 211	2 270	2 046	-33.31	-9.87
Bentonite	(t)	120 372	103 217	166 778	145 643	179 893	49.45	23.52
Feldspar	(t)	151 759	150 334	141 794	179 856	134 846	-11.14	-25.03
Fluorspar	(t)	75	57	46	0	0	-100.00	.
Graphite	(t)			0	135	0	.	-100.00
Gypsum	(t)	471 306	406 624	396 338	294 137	284 222	-39.69	-3.37
Kaolin	(t)	109 252	164 077	70 799	96 051	29 372	-73.12	-69.42
Magnesite	(t)	1 175	1 913	1 039	1 847	1 077	-8.34	-41.69
Phosphates	(t)	21 030	15 870	13 240	20 480	10 670	-49.26	-47.90
Salt	(t)	564 194	503 789	391 222	347 183	359 559	-36.27	3.56
Sulfur	(t)	76 331	81 172	155 641	100 203	69 638	-8.77	-30.50
Talc	(t)	103	2 374	2 062	1 708	717	596.12	-58.02
Steam Coal	(t)	86 622 000	85 213 000	80 771 070	79 770 360	48 365 579	-44.16	-39.37
Coking Coal	(t)	4 438 000	6 078 000	5 555 700	5 398 800	3 951 700	-10.96	-26.80
Nat. Gas (Mio m ³)		11 080	10 915	11 590	11 800	11 770	6.23	-0.25
Petroleum	(t)	44 226 200	42 519 290	43 088 900	44 101 940	38 993 490	-11.83	-11.58
Total	(t)	146 037 321	144 346 953	140 355 603	140 267 072	102 207 883		

Congo, D.R.

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Cobalt	(t)	69 038	82 461	111 713	78 664	86 591	25.43	10.08
Manganese	(t)		0	5 360	1 780	1 000	.	-43.82
Niobium	(t)	797	717	607	433	565	-29.11	30.48
Tantalum	(t)	845	761	644	460	600	-28.99	30.43
Tungsten	(t)	79	130	160	260	116	46.84	-55.38
Copper	(t)	1 023 687	1 094 638	1 239 059	1 461 124	1 712 964	67.33	17.24
Lead	(t)	101	0	0	0	0	-100.00	.
Tin	(t)	6 503	10 391	8 950	10 990	14 670	125.59	33.48
Zinc	(t)	12 587	12 337	1 047	1 607	15 305	21.59	852.40
Gold	(kg)	30 664	31 586	36 777	33 752	29 597	-3.48	-12.31
Silver	(kg)	835	3 376	3 400	3 400	3 400	307.19	0.00
Diam. (Gem)	(ct)	3 111 890	2 268 332	1 815 745	2 020 450	2 588 850	-16.81	28.13
Diam. (Ind)	(ct)	12 447 557	16 634 432	13 315 465	11 449 240	10 355 400	-16.81	-9.55
Petroleum	(t)	1 068 970	1 027 850	1 144 760	1 113 260	1 191 660	11.48	7.04
Total	(t)	2 182 642	2 229 323	2 512 343	2 668 617	3 023 507		

Congo, Rep.

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)		0	10 800	20 200	33 500	.	65.84
Copper	(t)	0	15 979	18 018	18 760	10 300	.	-45.10
Zinc	(t)	520	4 270	460	4 830	1 100	111.54	-77.23
Gold	(kg)	100	100	150	150	150	50.00	0.00

Abbreviations: see Definitions

Diam. (Ind)	(ct)	12 110	46 758	46 768	2 963	11 157	-7.87	276.54
Nat. Gas	(Mio m ³)	866	860	867	580	405	-53.23	-30.17
Petroleum	(t)	12 838 700	13 252 670	16 740 500	16 882 200	14 940 000	16.37	-11.50
Total	(t)	13 532 020	13 960 919	17 463 378	17 389 990	15 308 900		

Costa Rica

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	750	4 255	3 699	4 500	600	-20.00	-86.67
Diatomite	(t)	20 500	4 218	3 972	4 000	4 000	-80.49	0.00
Total	(t)	20 501	4 222	3 976	4 005	4 001		

Cote d'Ivoire

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese	(t)	90 900	204 700	319 200	472 700	530 200	483.28	12.16
Nickel	(t)	0	400	12 300	9 900	20 220	.	104.24
Bauxite	(t)				0	272 295	.	.
Gold	(kg)	25 055	25 396	24 488	32 568	38 523	53.75	18.28
Silver	(kg)	549	493	510	300	0	-100.00	-100.00
Diam. (Gem)	(ct)	16 188	8 925	4 540	3 989	4 012	-75.22	0.58
Diam. (Ind)	(ct)	4 047	2 231	1 140	0	0	-100.00	.
Nat. Gas	(Mio m ³)	2 395	2 130	1 935	2 066	2 140	-10.65	3.58
Petroleum	(t)	2 104 100	1 696 900	1 607 400	1 799 700	1 470 100	-30.13	-18.31
Total	(t)	4 111 026	3 606 025	3 486 925	3 935 133	4 004 854		

Croatia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bauxite	(t)	9 780	12 215	11 776	14 342	14 084	44.01	-1.80
Gypsum	(t)	150 430	147 934	211 894	199 255	221 629	47.33	11.23
Salt	(t)	15 629	19 006	16 453	93 870	111 901	615.98	19.21
Nat. Gas	(Mio m ³)	1 647	1 484	1 230	1 029	904	-45.11	-12.15
Petroleum	(t)	737 100	744 500	732 100	705 700	631 800	-14.29	-10.47
Total	(t)	2 230 539	2 110 855	1 956 223	1 836 367	1 702 614		

Abbreviations: see Definitions

Cuba

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	12 000	14 400	10 500	27 000	14 000	16.67	-48.15
Cobalt	(t)	5 514	5 407	5 000	4 200	4 200	-23.83	0.00
Nickel	(t)	48 000	49 300	49 000	45 500	46 500	-3.13	2.20
Lead	(t)	0	1 500	25 380	36 000	30 000	.	-16.67
Zinc	(t)	0	2 900	42 250	57 830	57 730	.	-0.17
Bentonite	(t)	389	589	630	504	486	24.94	-3.57
Feldspar	(t)	5 790	8 715	3 000	2 100	14 100	143.52	571.43
Gypsum	(t)	73 900	85 400	99 900	66 330	62 300	-15.70	-6.08
Kaolin	(t)	2 500	1 500	2 700	2 100	2 000	-20.00	-4.76
Magnesite	(t)	2 325	0	0	1 532	3 910	68.17	155.22
Phosphates	(t)	0	0	0	0	460	.	.
Salt	(t)	248 000	246 300	192 700	210 370	226 000	-8.87	7.43
Sulfur	(t)	174 200	298 600	309 000	317 000	311 200	78.65	-1.83
Nat. Gas	(Mio m ³)	1 185	1 051	970	951	895	-24.47	-5.89
Petroleum	(t)	2 619 200	2 522 200	2 462 500	2 371 450	2 230 000	-14.86	-5.96
Total	(t)	4 139 818	4 077 611	3 978 560	3 902 716	3 718 886		

Cyprus

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Copper	(t)	1 754	1 293	908	703	0	-100.00	-100.00
Gold	(kg)	0	48	47	33	61	.	84.85
Silver	(kg)	0	99	180	97	486	.	401.03
Bentonite	(t)	117 184	95 593	98 800	83 113	92 645	-20.94	11.47
Gypsum	(t)	682 024	647 108	625 721	623 545	646 340	-5.23	3.66
Total	(t)	800 962	743 994	725 429	707 361	738 985		

Czech Republic

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bentonite	(t)	374 000	254 000	277 000	357 000	226 000	-39.57	-36.69
Diatomite	(t)	26 000	34 000	31 000	43 000	46 000	76.92	6.98
Feldspar	(t)	454 000	368 000	449 000	460 000	419 000	-7.71	-8.91
Gypsum	(t)	10 000	7 000	8 000	10 000	17 000	70.00	70.00
Kaolin	(t)	3 540 000	3 669 000	3 622 000	3 446 000	3 069 000	-13.31	-10.94
Steam Coal	(t)	3 095 300	2 337 100	1 993 850	1 335 497	841 188	-72.82	-37.01
Coking Coal	(t)	2 978 700	2 532 900	2 626 361	2 309 833	1 296 137	-56.49	-43.89
Lignite	(t)	38 646 000	39 310 000	39 187 000	37 465 000	29 505 000	-23.65	-21.25

Abbreviations: see Definitions

Nat. Gas (Mio m ³)		169	171	179	146	173	2.37	18.49
Petroleum (t)		116 000	106 000	109 000	81 000	91 000	-21.55	12.35
Uranium (t)		151	66	40	39	29	-80.79	-25.64
Total (t)		49 375 351	48 754 866	48 446 451	45 624 169	35 648 754		

Denmark

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bentonite (t)		66 278	69 594	56 173	48 197	40 054	-39.57	-16.90
Diatomite (t)		114 400	110 000	99 400	108 800	115 000	0.52	5.70
Salt (t)		600 000	600 000	600 000	600 000	600 000	0.00	0.00
Sulfur (t)		6 144	4 004	4 194	3 554	4 140	-32.62	16.49
Nat. Gas (Mio m ³)		4 535	4 820	4 148	3 138	1 424	-68.60	-54.62
Petroleum (t)		6 924 374	6 736 967	5 665 787	5 017 234	3 556 200	-48.64	-29.12
Total (t)		11 339 196	11 376 565	9 743 954	8 288 185	5 454 594		

Dominican Republic

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Nickel (t)		9 913	15 632	19 214	28 450	22 005	121.98	-22.65
Bauxite (t)		7 318	0	0	0	9 475	29.48	.
Copper (t)		9 725	9 618	8 588	6 047	2 193	-77.45	-63.73
Zinc (t)		3 636	3 920	4 038	5 527	2 361	-35.07	-57.28
Gold (kg)		37 933	35 243	31 633	31 801	28 154	-25.78	-11.47
Silver (kg)		121 749	151 828	166 510	108 685	87 889	-27.81	-19.13
Feldspar (t)		5 200	5 000	1 200	1 000	0	-100.00	-100.00
Gypsum (t)		284 170	217 570	190 660	316 630	304 920	7.30	-3.70
Salt (t)		0	0	23 860	26 000	24 000	.	-7.69
Total (t)		320 122	251 927	247 759	383 795	365 070		

Ecuador

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Antimony (t)		15	260	0	0	0	-100.00	.
Copper (t)		40 200	8 200	42 200	9 900	49 700	23.63	402.02
Gold (kg)		6 761	6 368	8 213	6 293	9 086	34.39	44.38
Silver (kg)		934	68	192	2 892	1 792	91.86	-38.04
Baryte (t)			0	2 868	2 000	2 000	.	0.00
Feldspar (t)		148 506	92 871	43 197	45 000	0	-100.00	-100.00
Kaolin (t)		4 110	548	0	0	0	-100.00	.

Abbreviations: see Definitions

Nat. Gas (Mio m ³)		528	463	353	318	268	-49.24	-15.72
Petroleum (t)		27 377 000	26 452 000	25 754 000	26 442 000	23 932 000	-12.58	-9.49
Total (t)		27 992 239	26 924 285	26 124 673	26 753 309	24 198 111		

Egypt

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron (t)		229 010	254 300	270 000	270 000	270 000	17.90	0.00
Manganese (t)		0	11 900	13 200	7 900	5 300	.	-32.91
Aluminium (t)		297 000	298 000	267 100	290 000	268 000	-9.76	-7.59
Gold (kg)		17 139	16 941	14 694	14 946	14 069	-17.91	-5.87
Baryte (t)		4 000	4 000	4 000	4 000	4 000	0.00	0.00
Bentonite (t)		3 600	4 600	10 000	7 000	7 000	94.44	0.00
Feldspar (t)		230 000	230 000	230 000	230 000	200 000	-13.04	-13.04
Fluorspar (t)		1 000	1 000	1 000	1 000	1 000	0.00	0.00
Gypsum (t)		686 610	835 614	800 000	800 000	800 000	16.51	0.00
Kaolin (t)		230 000	230 000	230 000	230 000	230 000	0.00	0.00
Phosphates (t)		741 240	1 021 960	1 000 000	870 000	870 000	17.37	0.00
Salt (t)		1 402 000	807 000	1 800 000	1 800 000	2 000 000	42.65	11.11
Sulfur (t)		60 000	80 000	80 000	80 000	80 000	33.33	0.00
Talc (t)		14 300	15 000	25 000	22 000	20 000	39.86	-9.09
Nat. Gas (Mio m ³)		40 250	48 810	58 560	64 940	58 465	45.25	-9.97
Petroleum (t)		33 835 000	32 178 000	32 844 000	31 812 000	30 001 810	-11.33	-5.69
Total (t)		69 933 777	75 019 391	84 422 315	88 375 915	81 529 124		

El Salvador

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt (t)		30 000	30 000	30 000	30 000	30 000	0.00	0.00
Total (t)		30 000	30 000	30 000	30 000	30 000		

Equatorial Guinea

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Nat. Gas (Mio m ³)		7 875	8 240	7 750	6 235	6 023	-23.52	-3.40
Petroleum (t)		10 168 155	8 666 670	7 826 120	7 150 650	7 154 660	-29.64	0.06
Total (t)		16 468 155	15 258 670	14 026 120	12 138 650	11 973 060		

Eritrea

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Copper	(t)	25 300	7 900	17 300	16 008	21 725	-14.13	35.71
Zinc	(t)	40 900	95 400	125 000	121 260	121 930	198.12	0.55
Gold	(kg)	333	2 633	3 768	2 443	3 019	806.61	23.58
Silver	(kg)	13 219	1 192	31 000	44 836	65 284	393.86	45.61
Gypsum	(t)	13 000	12 000	18 000	18 000	18 000	38.46	0.00
Kaolin	(t)	200	200	200	0	0	-100.00	.
Salt	(t)	310 000	310 000	310 000	310 000	320 000	3.23	3.23
Total	(t)	389 413	425 504	470 535	465 315	481 723		

Estonia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Oil Shales	(t)	15 764 000	21 625 000	21 883 000	15 697 400	12 144 400	-22.96	-22.63
Total	(t)	15 764 000	21 625 000	21 883 000	15 697 400	12 144 400		

Eswatini

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)			0	6	1	.	-83.33
Steam Coal	(t)	158 418	202 277	144 375	109 926	161 768	2.11	47.16
Total	(t)	158 418	202 277	144 375	109 926	161 768		

Ethiopia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)		0	8 000	500	200	.	-60.00
Niobium	(t)	28	25	28	14	11	-60.71	-21.43
Tantalum	(t)	101	90	104	50	41	-59.41	-18.00
Gold	(kg)	8 573	5 390	3 495	2 800	7 500	-12.52	167.86
Silver	(kg)	880	750	1 000	800	1 000	13.64	25.00
Diatomite	(t)	4 000	4 000	5 000	5 000	5 000	25.00	0.00
Gypsum	(t)	80 556	85 236	253 165	255 000	255 000	216.55	0.00
Kaolin	(t)	4 600	5 000	10 000	1 000	1 000	-78.26	0.00
Salt	(t)	54 534	60 654	122 850	125 000	125 000	129.21	0.00
Total	(t)	143 829	155 011	399 151	386 568	386 261		

Abbreviations: see Definitions

Fiji

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bauxite	(t)	58 050	118 540	57 960	0	0	-100.00	.
Gold	(kg)	1 500	1 425	1 281	1 106	1 045	-30.33	-5.52
Silver	(kg)	354	350	413	692	518	46.33	-25.14
Total	(t)	58 051	118 541	57 961	2	2		

Finland

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	469 140	411 060	466 750	502 050	480 870	2.50	-4.22
Cobalt	(t)	2 260	2 300	1 377	1 454	1 559	-31.02	7.22
Nickel	(t)	20 654	34 641	43 572	38 530	41 429	100.59	7.52
Copper	(t)	47 488	53 144	46 755	32 861	36 278	-23.61	10.40
Lead	(t)			0	937	1 532	.	63.50
Selenium	(t)	104	100	109	115	84	-19.23	-26.96
Zinc	(t)	45 852	66 284	85 067	69 800	61 213	33.50	-12.30
Gold	(kg)	8 865	9 102	8 732	7 927	8 668	-2.22	9.35
Palladium	(kg)	901	1 021	1 157	699	858	-4.77	22.75
Platinum	(kg)	1 178	1 418	1 576	953	1 277	8.40	34.00
Silver	(kg)	16 348	13 654	12 849	40 461	54 833	235.41	35.52
Feldspar	(t)	18 549	14 926	17 469	17 997	16 137	-13.00	-10.34
Magnesite	(t)	54 227	63 850	49 601	37 002	136 167	151.11	268.00
Phosphates	(t)	338 230	352 300	356 070	363 020	363 200	7.38	0.05
Sulfur	(t)	852 700	937 000	888 300	811 600	794 900	-6.78	-2.06
Talc	(t)	345 739	354 819	374 398	329 891	278 331	-19.50	-15.63
Total	(t)	2 194 970	2 290 449	2 329 493	2 205 307	2 211 766		

France

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	424 640	426 730	390 000	401 850	385 240	-9.28	-4.13
Bauxite	(t)	92 116	139 055	110 000	110 000	124 000	34.61	12.73
Indium	(t)	0	30	43	38	40	.	5.26
Bentonite	(t)	42 567	24 497	35 696	82 720	50 000	17.46	-39.56
Diatomite	(t)	90 000	90 000	90 000	90 000	90 000	0.00	0.00
Feldspar	(t)	550 000	550 000	550 000	500 000	500 000	-9.09	0.00
Gypsum	(t)	4 182 614	3 014 296	5 314 983	3 259 935	1 894 245	-54.71	-41.89
Kaolin	(t)	263 993	279 120	301 842	392 389	243 213	-7.87	-38.02
Salt	(t)	4 266 248	4 739 491	4 689 054	5 877 000	5 668 318	32.86	-3.55
Sulfur	(t)	380 000	500 000	500 000	500 000	450 000	18.42	-10.00
Talc	(t)	450 000	470 000	450 000	400 000	400 000	-11.11	0.00

Abbreviations: see Definitions

Nat. Gas (Mio m ³)		40	51	70	122	206	415.00	68.85
Oil Shales (t)		2 000	2 000	2 000	2 000	2 000	0.00	0.00
Petroleum (t)		816 000	758 000	774 100	719 800	644 700	-20.99	-10.43
Total (t)		11 592 178	11 034 019	13 263 718	12 433 332	10 616 556		

French Guiana

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold (kg)		1 321	1 486	1 320	1 105	989	-25.13	-10.50
Total (t)		1	1	1	1	1		

Gabon

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese (t)		1 573 100	2 265 800	2 874 600	3 158 100	3 709 100	135.78	17.45
Gold (kg)		1 020	620	83	107	55	-94.61	-48.60
Nat. Gas (Mio m ³)		530	491	511	464	502	-5.28	8.19
Petroleum (t)		11 480 000	10 503 000	9 646 000	10 848 000	10 766 000	-6.22	-0.76
Total (t)		13 477 101	13 161 601	12 929 400	14 377 300	14 876 700		

Georgia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese (t)		125 400	171 300	187 600	151 300	180 900	44.26	19.56
Copper (t)		7 600	9 400	9 100	9 500	10 000	31.58	5.26
Gold (kg)		3 621	3 032	2 913	4 052	4 768	31.68	17.67
Silver (kg)		20 000	21 000	20 042	4 100	5 467	-72.67	33.34
Gypsum (t)		46 670	85 470	91 700	61 700	62 000	32.85	0.49
Perlite (t)		21 800	16 500	15 700	13 000	12 500	-42.66	-3.85
Steam Coal (t)		296 500	268 100	137 900	15 300	99 300	-66.51	549.02
Nat. Gas (Mio m ³)		7	9	10	10	9	28.57	-10.00
Petroleum (t)		38 600	32 000	30 200	35 100	31 300	-18.91	-10.83
Total (t)		542 194	589 994	480 223	293 908	403 210		

Abbreviations: see Definitions

Germany

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	74 500	82 900	82 900	94 100	95 500	28.19	1.49
Aluminium	(t)	546 800	550 000	528 900	507 934	529 056	-3.25	4.16
Cadmium	(t)	652	730	520	620	500	-23.31	-19.35
Copper	(t)	41	63	51	40	37	-9.76	-7.50
Gallium	(t)	4	0	0	0	0	-100.00	.
Indium	(t)	10	10	0	0	0	-100.00	.
Selenium	(t)	700	300	300	300	300	-57.14	0.00
Gold	(kg)	17	7	9	15	10	-41.18	-33.33
Silver	(kg)	4 000	6 000	5 000	4 000	4 000	0.00	0.00
Baryte	(t)	49 373	34 177	37 897	30 474	26 656	-46.01	-12.53
Bentonite	(t)	393 000	416 000	379 000	366 000	333 000	-15.27	-9.02
Diatomite	(t)	54 764	56 721	58 340	53 802	51 511	-5.94	-4.26
Feldspar	(t)	284 569	276 747	252 693	235 289	213 899	-24.83	-9.09
Fluorspar	(t)	52 552	45 375	49 197	79 959	64 933	23.56	-18.79
Graphite	(t)	502	422	222	207	108	-78.49	-47.83
Gypsum	(t)	3 970 000	4 450 000	4 550 000	4 850 000	5 200 000	30.98	7.22
Kaolin	(t)	4 740 000	5 168 000	4 930 000	4 760 000	4 969 000	4.83	4.39
Potash	(t)	2 750 841	2 963 561	2 754 085	2 615 284	2 874 026	4.48	9.89
Salt	(t)	14 441 510	15 535 669	16 229 929	16 627 893	14 226 154	-1.49	-14.44
Sulfur	(t)	577 684	537 882	419 597	460 012	353 293	-38.84	-23.20
Steam Coal	(t)	1 806 300	1 483 200	1 212 700	0	0	-100.00	.
Coking Coal	(t)	2 042 700	2 185 300	1 370 800	0	0	-100.00	.
Lignite	(t)	171 552 350	171 285 700	166 258 000	131 314 000	107 377 260	-37.41	-18.23
Nat. Gas (Mio m ³)		8 673	7 932	6 888	6 699	5 692	-34.37	-15.03
Oil Shales	(t)	492 777	481 803	494 650	487 012	471 404	-4.34	-3.20
Petroleum	(t)	2 355 028	2 218 406	2 066 643	1 923 232	1 895 942	-19.49	-1.42
Uranium	(t)	53	40	0	28	8	-84.91	-71.43
Total	(t)	213 125 114	214 118 612	207 186 829	169 765 390	143 236 191		

Ghana

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese	(t)	706 390	1 051 250	1 593 110	1 884 050	825 130	16.81	-56.20
Aluminium	(t)	33 010	40 500	42 867	43 908	37 566	13.80	-14.44
Bauxite	(t)	1 143 676	1 476 966	1 011 302	1 116 334	1 162 086	1.61	4.10
Gold	(kg)	128 026	143 438	149 057	142 371	125 114	-2.27	-12.12
Silver	(kg)	3 100	4 000	4 000	4 000	3 000	-3.23	-25.00
Diam. (Gem)	(ct)	114 400	69 540	46 025	27 030	20 230	-82.32	-25.16
Diam. (Ind)	(ct)	28 605	17 385	11 505	6 760	5 060	-82.31	-25.15
Salt	(t)	250 000	250 000	330 000	300 000	330 000	32.00	10.00
Nat. Gas (Mio m ³)		660	940	910	1 550	2 660	303.03	71.61
Petroleum	(t)	4 614 000	8 379 700	8 876 500	10 205 700	9 561 000	107.22	-6.32
Total	(t)	7 275 207	11 950 563	12 581 932	14 790 138	14 043 910		

Abbreviations: see Definitions

Greece

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)		0	16 650	12 080	12 000	.	-0.66
Nickel	(t)	22 030	21 090	19 980	17 240	7 820	-64.50	-54.64
Aluminium	(t)	181 680	181 700	187 465	186 903	181 900	0.12	-2.68
Bauxite	(t)	1 847 700	1 927 150	1 559 359	1 379 123	1 428 631	-22.68	3.59
Lead	(t)	11 283	12 075	15 345	14 818	19 717	74.75	33.06
Zinc	(t)	18 866	18 715	21 515	22 322	28 090	48.89	25.84
Gold	(kg)	940	823	2 839	2 333	2 177	131.60	-6.69
Silver	(kg)	29 342	34 220	39 150	37 790	50 301	71.43	33.11
Bentonite	(t)	883 220	1 087 800	1 365 374	1 393 958	1 170 000	32.47	-16.07
Gypsum	(t)	777 990	547 140	827 298	589 012	780 000	0.26	32.43
Magnesite	(t)	397 940	442 680	425 882	358 841	360 000	-9.53	0.32
Perlite	(t)	921 410	932 950	790 412	718 077	718 000	-22.08	-0.01
Salt	(t)	158 020	166 527	163 474	167 170	156 213	-1.14	-6.55
Sulfur	(t)	185 000	210 000	280 000	260 000	210 000	13.51	-19.23
Lignite	(t)	32 674 790	37 802 600	36 574 360	27 383 575	13 851 400	-57.61	-49.42
Nat. Gas (Mio m ³)		9	8	12	9	6	-33.33	-33.33
Petroleum	(t)	173 486	139 551	201 786	164 905	91 500	-47.26	-44.51
Total	(t)	38 260 645	43 496 413	42 458 542	32 675 264	19 020 123		

Guatemala

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	8 210	2 670	2 590	30	0	-100.00	-100.00
Nickel	(t)	36 900	54 500	48 400	44 600	50 600	37.13	13.45
Antimony	(t)	25	0	0	150	50	100.00	-66.67
Lead	(t)	10 000	4 200	264	377	0	-100.00	-100.00
Zinc	(t)	15 000	6 100	0	0	0	-100.00	.
Gold	(kg)	3 907	1 646	0	0	0	-100.00	.
Silver	(kg)	837 793	336 944	0	0	0	-100.00	.
Baryte	(t)	500	43	63	50	50	-90.00	0.00
Bentonite	(t)	18 081	20 542	16 953	12 700	10 000	-44.69	-21.26
Feldspar	(t)	30 428	29 145	30 257	28 771	27 000	-11.27	-6.16
Gypsum	(t)	130 617	135 154	132 897	140 901	141 000	7.95	0.07
Kaolin	(t)	793	657	724	700	1 000	26.10	42.86
Magnesite	(t)	23 954	16 298	4 745	4 500	5 000	-79.13	11.11
Talc	(t)	2 733	1 982	2 187	10	2 000	-26.82	19 900.00
Petroleum	(t)	448 100	480 000	458 800	478 200	389 000	-13.19	-18.65
Total	(t)	726 183	751 630	697 880	710 989	625 700		

Abbreviations: see Definitions

Guinea

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)				0	418 800	.	.
Bauxite	(t)	32 423 932	51 701 564	59 573 707	70 173 326	87 766 199	170.68	25.07
Gold	(kg)	29 192	46 847	25 823	27 708	91 798	214.46	231.31
Diam. (Gem)	(ct)	84 597	136 090	219 530	171 880	96 430	13.99	-43.90
Diam. (Ind)	(ct)	28 200	45 360	73 180	57 300	32 145	13.99	-43.90
Total	(t)	32 423 961	51 701 611	59 573 733	70 173 354	88 185 091		

Guyana

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bauxite	(t)	1 479 090	1 459 223	1 926 053	1 919 747	595 943	-59.71	-68.96
Gold	(kg)	22 168	20 334	19 069	19 963	18 209	-17.86	-8.79
Diam. (Gem)	(ct)	104 920	39 120	46 580	41 240	14 430	-86.25	-65.01
Diam. (Ind)	(ct)	34 970	13 040	15 530	13 750	4 810	-86.25	-65.02
Petroleum	(t)			0	58 280	3 709 780	.	6 265.44
Total	(t)	1 479 112	1 459 243	1 926 072	1 978 047	4 305 741		

Honduras

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Antimony	(t)	0	0	20	15	10	.	-33.33
Lead	(t)	4 000	6 761	9 893	12 308	13 400	235.00	8.87
Zinc	(t)	14 500	20 437	28 422	29 454	30 200	108.28	2.53
Gold	(kg)	2 607	2 656	2 070	3 035	1 963	-24.70	-35.32
Silver	(kg)	17 803	21 785	31 182	45 174	40 400	126.93	-10.57
Gypsum	(t)	42 000	35 000	35 000	34 964	45 254	7.75	29.43
Salt	(t)	59 000	59 000	63 500	49 900	61 200	3.73	22.65
Total	(t)	119 521	121 223	136 868	126 689	150 106		

Abbreviations: see Definitions

Hungary

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese	(t)	4 840	0	0	0	0	-100.00	.
Bauxite	(t)	16 710	1 300	4 200	0	0	-100.00	.
Bentonite	(t)	16 000	24 630	25 000	41 500	42 000	162.50	1.20
Perlite	(t)	42 070	40 130	44 970	43 900	44 000	4.59	0.23
Lignite	(t)	9 232 810	7 974 130	7 898 689	6 846 837	6 125 178	-33.66	-10.54
Nat. Gas	(Mio m ³)	1 823	1 821	1 905	1 716	1 708	-6.31	-0.47
Petroleum	(t)	732 702	705 274	808 000	930 000	841 000	14.78	-9.57
Total	(t)	11 503 532	10 202 264	10 304 859	9 235 037	8 418 578		

Iceland

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	700 080	759 988	731 478	682 616	691 989	-1.16	1.37
Salt	(t)	5 000	5 000	5 000	5 000	5 000	0.00	0.00
Total	(t)	705 080	764 988	736 478	687 616	696 989		

India

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	121 395 000	125 716 600	129 615 740	153 157 640	128 308 000	5.69	-16.22
Chromium	(t)	1 728 270	1 609 010	1 864 070	1 832 120	1 335 400	-22.73	-27.11
Manganese	(t)	801 600	860 400	920 230	918 240	848 100	5.80	-7.64
Titanium	(t)	341 400	167 800	172 700	205 200	205 000	-39.95	-0.10
Vanadium	(t)	1 125	0	442	76	100	-91.11	31.58
Aluminium	(t)	2 896 629	3 400 618	3 696 181	3 635 089	3 619 237	24.95	-0.44
Bauxite	(t)	24 745 487	22 786 106	23 689 619	21 825 227	20 368 665	-17.69	-6.67
Cadmium	(t)	35	47	0	0	0	-100.00	.
Copper	(t)	29 670	31 550	32 530	26 980	25 770	-13.14	-4.48
Lead	(t)	150 860	172 720	205 920	194 590	208 510	38.21	7.15
Rare Earths	(t)	1 130	1 360	2 110	2 100	2 100	85.84	0.00
Selenium	(t)	17	17	17	17	10	-41.18	-41.18
Tin	(t)	9	13	16	12	13	44.44	8.33
Zinc	(t)	755 780	772 600	728 400	718 060	751 400	-0.58	4.64
Gold	(kg)	1 594	1 651	1 664	1 742	1 127	-29.30	-35.30
Silver	(kg)	460 811	557 691	679 386	609 340	705 795	53.16	15.83
Baryte	(t)	1 262 476	2 050 215	2 488 756	2 738 934	2 740 000	117.03	0.04
Bentonite	(t)	2 978 858	3 488 264	3 661 450	3 605 000	3 600 000	20.85	-0.14
Diam. (Gem)	(ct)	13 970	12 940	13 877	10 301	5 010	-64.14	-51.36
Diam. (Ind)	(ct)	22 520	26 760	24 560	18 515	8 910	-60.44	-51.88
Feldspar	(t)	6 434 788	4 270 245	8 486 262	6 173 287	6 200 000	-3.65	0.43
Fluorspar	(t)	1 175	1 314	1 079	1 315	1 052	-10.47	-20.00

Abbreviations: see Definitions

Graphite	(t)	122 437	33 649	39 030	34 674	30 168	-75.36	-13.00
Gypsum	(t)	1 816 981	2 048 127	4 664 046	3 006 046	3 000 000	65.11	-0.20
Kaolin	(t)	5 903 182	8 744 864	8 201 946	8 000 000	8 000 000	35.52	0.00
Magnesite	(t)	299 149	195 055	146 875	102 554	78 144	-73.88	-23.80
Phosphates	(t)	288 830	360 220	342 890	332 940	346 450	19.95	4.06
Salt	(t)	29 191 600	28 949 400	30 033 300	28 058 000	26 790 000	-8.23	-4.52
Sulfur	(t)	2 960 800	3 475 200	4 290 400	3 900 950	3 750 000	26.65	-3.87
Talc	(t)	1 292 893	1 652 367	1 682 825	1 748 963	1 750 000	35.36	0.06
Vermiculite	(t)	9 042	6 054	2 992	2 774	1 260	-86.07	-54.58
Zircon	(t)	11 709	9 107	11 906	15 600	16 000	36.65	2.56
Steam Coal	(t)	596 207 000	635 252 000	687 586 000	677 938 000	671 297 000	12.59	-0.98
Coking Coal	(t)	61 661 000	40 148 000	41 132 000	52 936 000	44 787 000	-27.37	-15.39
Lignite	(t)	45 230 000	46 644 000	44 283 000	42 096 000	36 614 000	-19.05	-13.02
Nat. Gas (Mio m ³)		30 848	31 731	32 058	30 257	27 784	-9.93	-8.17
Petroleum	(t)	36 008 830	35 684 330	34 203 270	32 169 270	30 494 090	-15.31	-5.21
Uranium	(t)	454	496	499	363	472	3.96	30.03
Total	(t)	969 207 079	993 917 108	1 057 833 582	1 069 582 232	1 017 395 848		

Indonesia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	2 300 000	1 075 800	600 000	1 379 300	1 990 900	-13.44	44.34
Cobalt	(t)	350	350	350	350	350	0.00	0.00
Manganese	(t)	24 500	24 000	24 000	24 000	23 500	-4.08	-2.08
Nickel	(t)	198 900	363 000	651 600	1 036 200	816 700	310.61	-21.18
Aluminium	(t)	245 483	215 192	219 306	233 457	220 089	-10.34	-5.73
Bauxite	(t)	494 722	1 733 380	11 023 850	16 592 740	25 859 895	5 127.16	55.85
Copper	(t)	727 959	621 979	651 132	351 220	505 200	-30.60	43.84
Lead	(t)	5 280	7 635	11 380	10 820	7 590	43.75	-29.85
Tin	(t)	62 877	78 070	82 809	76 390	52 617	-16.32	-31.12
Zinc	(t)	8 540	13 800	20 070	21 020	20 020	134.43	-4.76
Gold	(kg)	91 090	101 510	135 250	108 900	66 190	-27.34	-39.22
Silver	(kg)	228 640	328 780	308 810	487 400	338 100	47.87	-30.63
Feldspar	(t)	1 353 300	2 601 000	749 300	480 800	287 400	-78.76	-40.22
Kaolin	(t)	728 000	736 600	1 368 400	2 754 600	1 636 000	124.73	-40.61
Salt	(t)	141 000	1 021 321	2 719 256	2 852 125	1 365 711	868.59	-52.12
Sulfur	(t)	540 000	500 000	500 000	500 000	500 000	-7.41	0.00
Zircon	(t)	34 800	29 500	53 700	73 100	64 150	84.34	-12.24
Steam Coal	(t)	460 137 000	490 409 256	543 919 000	594 796 500	558 284 300	21.33	-6.14
Coking Coal	(t)	3 340 000	4 300 000	5 117 786	5 752 018	5 443 961	62.99	-5.36
Nat. Gas (Mio m ³)		74 670	72 270	72 570	67 160	59 180	-20.74	-11.88
Petroleum	(t)	41 488 400	39 879 800	38 434 800	37 104 200	35 367 913	-14.75	-4.68
Total	(t)	571 567 431	601 427 114	664 203 183	717 767 436	679 790 700		

Abbreviations: see Definitions

Iran

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	21 623 000	21 884 000	24 700 000	28 305 000	33 660 000	55.67	18.92
Chromium	(t)	162 100	92 850	113 410	104 400	103 340	-36.25	-1.02
Manganese	(t)	33 110	33 915	45 595	50 240	63 580	92.03	26.55
Molybdenum	(t)	3 340	4 280	3 690	4 160	3 536	5.87	-15.00
Titanium	(t)	3 340	30 630	30 000	4 880	5 000	49.70	2.46
Aluminium	(t)	341 000	337 608	304 800	258 166	424 475	24.48	64.42
Antimony	(t)	2 767	620	1 645	330	1 065	-61.51	222.73
Arsenic	(t)	0	400	0	0	0	.	.
Bauxite	(t)	765 616	804 510	866 683	828 788	1 042 325	36.14	25.76
Copper	(t)	282 500	295 653	316 380	314 143	313 323	10.91	-0.26
Lead	(t)	36 900	44 900	49 600	72 500	81 800	121.68	12.83
Mercury	(t)	2	3	0	0	0	-100.00	.
Zinc	(t)	106 900	129 900	143 600	209 900	215 200	101.31	2.53
Gold	(kg)	4 537	7 100	7 600	8 140	6 919	52.50	-15.00
Silver	(kg)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Baryte	(t)	1 449 038	514 711	477 227	247 207	285 756	-80.28	15.59
Bentonite	(t)	356 036	517 524	423 604	761 079	714 684	100.73	-6.10
Boron	(t)	36	850	851	2 026	1 495	4 052.78	-26.21
Diatomite	(t)	37	0	0	600	170	359.46	-71.67
Feldspar	(t)	1 120 449	1 128 585	1 320 452	2 415 368	1 910 505	70.51	-20.90
Fluorspar	(t)	70 820	55 297	55 000	54 824	55 000	-22.34	0.32
Gypsum	(t)	15 715 011	13 942 092	10 904 289	14 750 093	15 124 823	-3.76	2.54
Kaolin	(t)	868 179	861 938	1 158 983	1 813 395	1 923 895	121.60	6.09
Magnesite	(t)	145 223	166 636	137 445	147 760	256 124	76.37	73.34
Perlite	(t)	17 083	23 837	71 579	31 828	52 750	208.79	65.73
Phosphates	(t)	77 912	88 715	105 840	102 230	105 000	34.77	2.71
Potash	(t)	10 500	15 300	32 900	37 200	37 000	252.38	-0.54
Salt	(t)	2 995 025	2 839 430	2 453 873	2 639 192	3 200 232	6.85	21.26
Sulfur	(t)	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	0.00	0.00
Talc	(t)	87 899	86 514	73 259	49 650	61 665	-29.85	24.20
Vermiculite	(t)	1 000	0	0	0	0	-100.00	.
Steam Coal	(t)	121 000	138 000	400 000	485 000	450 000	271.90	-7.22
Coking Coal	(t)	1 214 000	1 383 000	1 650 000	1 600 000	3 816 000	214.33	138.50
Nat. Gas (Mio m ³)		199 342	213 804	232 015	241 422	250 786	25.81	3.88
Petroleum	(t)	216 144 450	231 371 430	218 667 480	157 764 820	142 736 450	-33.96	-9.53
Total	(t)	425 427 928	450 036 385	452 320 243	408 392 437	409 474 050		

Iraq

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	0.00	0.00
Phosphates	(t)	40 000	40 000	377 120	300 000	300 000	650.00	0.00
Salt	(t)	200 000	237 350	271 500	270 000	300 000	50.00	11.11
Sulfur	(t)	40 000	40 000	40 000	40 000	40 000	0.00	0.00
Nat. Gas (Mio m ³)		9 900	10 120	10 574	10 967	10 492	5.98	-4.33
Petroleum	(t)	217 602 300	222 381 850	227 012 450	234 220 100	202 037 850	-7.15	-13.74
Total	(t)	226 802 300	231 795 200	237 160 270	244 603 700	212 071 450		

Abbreviations: see Definitions

Ireland

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Lead	(t)	19 600	17 100	16 712	16 053	14 401	-26.53	-10.29
Zinc	(t)	147 800	130 600	131 742	122 463	127 008	-14.07	3.71
Silver	(kg)	1 076	1 344	1 160	1 578	918	-14.68	-41.83
Gypsum	(t)	250 000	200 000	200 000	200 000	150 000	-40.00	-25.00
Nat. Gas	(Mio m ³)	2 770	3 170	3 060	2 390	1 840	-33.57	-23.01
Total	(t)	2 633 401	2 883 701	2 796 455	2 250 518	1 763 410		

Israel

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	147 000	116 000	75 800	70 000	70 000	-52.38	0.00
Phosphates	(t)	1 223 600	1 032 900	1 100 500	898 200	988 800	-19.19	10.09
Potash	(t)	2 093 100	2 126 700	2 149 300	2 043 500	2 415 600	15.41	18.21
Salt	(t)	389 240	514 100	377 000	301 000	250 000	-35.77	-16.94
Nat. Gas	(Mio m ³)	8 015	8 470	9 010	9 035	13 305	66.00	47.26
Oil Shales	(t)	423 100	426 000	414 580	402 882	392 990	-7.12	-2.46
Petroleum	(t)	96 968	64 308	73 933	84 020	130 427	34.51	55.23
Total	(t)	10 785 008	11 056 008	11 399 113	11 027 602	14 891 817		

Italy

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bentonite	(t)	45 978	86 106	100 067	82 720	65 989	43.52	-20.23
Feldspar	(t)	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	0.00	0.00
Gypsum	(t)	617 188	469 044	188 618	298 242	163 749	-73.47	-45.10
Kaolin	(t)	180 000	200 000	300 000	250 000	200 000	11.11	-20.00
Salt	(t)	2 550 849	2 283 406	1 514 829	1 538 072	1 192 956	-53.23	-22.44
Sulfur	(t)	838 500	846 900	809 900	1 261 100	458 700	-45.30	-63.63
Talc	(t)	165 000	165 000	165 000	160 000	165 000	0.00	3.13
Steam Coal	(t)	59 000	47 000	0	0	0	-100.00	.
Nat. Gas	(Mio m ³)	5 785	5 538	5 443	4 852	4 107	-29.01	-15.35
Petroleum	(t)	3 746 000	4 138 000	4 684 200	4 279 000	5 383 940	43.73	25.82
Total	(t)	15 030 515	14 865 856	14 317 014	13 950 734	13 115 934		

Abbreviations: see Definitions

Jamaica

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bauxite	(t)	8 540 131	8 244 628	10 058 228	9 022 286	7 546 139	-11.64	-16.36
Gypsum	(t)	50 000	46 000	47 000	55 000	66 000	32.00	20.00
Salt	(t)	15 354	12 565	10 000	10 000	10 000	-34.87	0.00
Total	(t)	8 605 485	8 303 193	10 115 228	9 087 286	7 622 139		

Japan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Arsenic	(t)	45	45	45	45	40	-11.11	-11.11
Bismuth	(t)	428	525	571	540	570	33.18	5.56
Cadmium	(t)	1 988	2 142	1 980	1 783	1 880	-5.43	5.44
Gallium	(t)	3	3	3	3	3	0.00	0.00
Germanium	(t)	2	2	2	2	2	0.00	0.00
Indium	(t)	70	70	70	70	66	-5.71	-5.71
Selenium	(t)	752	792	768	740	740	-1.60	0.00
Tellurium	(t)	33	38	58	50	70	112.12	40.00
Gold	(kg)	6 455	6 369	6 453	6 313	7 590	17.58	20.23
Silver	(kg)	5 076	3 408	3 596	3 467	4 192	-17.42	20.91
Bentonite	(t)	250 000	250 000	250 000	250 000	250 000	0.00	0.00
Kaolin	(t)	12 000	12 000	12 000	12 000	12 000	0.00	0.00
Salt	(t)	928 000	926 000	929 000	903 000	874 000	-5.82	-3.21
Sulfur	(t)	3 517 800	3 372 500	3 408 300	3 259 000	3 112 000	-11.54	-4.51
Talc	(t)	375 000	365 000	160 000	160 000	160 000	-57.33	0.00
Nat. Gas	(Mio m ³)	2 754	3 008	2 707	2 524	2 295	-16.67	-9.07
Petroleum	(t)	494 000	505 400	449 000	470 200	461 000	-6.68	-1.96
Total	(t)	7 783 332	7 840 926	7 377 407	7 076 642	6 708 383		

Jordan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	81 000	344 191	190 606	200 000	185 000	128.40	-7.50
Kaolin	(t)	11 935	11 000	11 000	11 000	11 000	-7.83	0.00
Phosphates	(t)	2 557 170	2 780 030	2 567 170	2 951 470	2 860 140	11.85	-3.09
Potash	(t)	1 222 140	1 415 260	1 485 960	1 516 460	1 598 200	30.77	5.39
Salt	(t)	41 309	48 985	48 901	49 000	50 000	21.04	2.04
Sulfur	(t)	20 000	20 000	20 000	10 000	50 000	150.00	400.00
Nat. Gas	(Mio m ³)	116	102	93	99	150	29.31	51.52
Petroleum	(t)	400	300	1 000	1 600	1 600	300.00	0.00
Total	(t)	4 026 754	4 701 366	4 399 037	4 818 730	4 875 940		

Abbreviations: see Definitions

Kazakhstan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	10 632 570	11 705 660	12 968 800	14 278 750	14 289 800	34.40	0.08
Chromium	(t)	1 989 500	2 193 500	2 378 200	2 458 800	1 977 900	-0.58	-19.56
Manganese	(t)	323 300	294 900	288 300	230 700	164 300	-49.18	-28.78
Molybdenum	(t)	1 941	35	149	258	384	-80.22	48.84
Titanium	(t)	66 600	65 000	65 000	60 000	28 000	-57.96	-53.33
Aluminium	(t)	235 566	254 000	258 400	264 895	265 665	12.78	0.29
Antimony	(t)	573	350	150	0	0	-100.00	.
Bauxite	(t)	4 801 300	4 846 100	6 104 200	4 118 400	4 057 800	-15.49	-1.47
Bismuth	(t)	260	200	159	200	270	3.85	35.00
Cadmium	(t)	2 682	2 690	850	1 200	1 500	-44.07	25.00
Copper	(t)	471 500	540 700	632 550	604 970	548 760	16.39	-9.29
Lead	(t)	70 500	111 200	86 500	55 700	30 200	-57.16	-45.78
Rhenium	(kg)	6 700	2 600	1 600	1 000	1 000	-85.07	0.00
Selenium	(t)	13	40	10	10	0	-100.00	-100.00
Zinc	(t)	324 800	315 900	304 400	327 000	310 400	-4.43	-5.08
Gold	(kg)	74 737	85 339	100 288	106 559	116 964	56.50	9.76
Silver	(kg)	1 182 476	1 041 838	969 347	1 022 068	1 035 181	-12.46	1.28
Asbestos	(t)	192 600	192 700	202 900	210 700	227 400	18.07	7.93
Baryte	(t)	612 300	569 900	773 200	530 600	445 300	-27.27	-16.08
Bentonite	(t)	119 100	120 000	120 000	52 000	59 200	-50.29	13.85
Boron	(t)	30 000	30 000	30 000	30 000	30 000	0.00	0.00
Gypsum	(t)	137 400	133 200	121 400	78 200	94 500	-31.22	20.84
Phosphates	(t)	348 600	368 400	381 200	388 540	456 010	30.81	17.37
Salt	(t)	730 283	803 794	885 717	1 094 659	1 237 455	69.45	13.04
Sulfur	(t)	2 850 000	3 789 700	3 218 250	3 834 100	3 749 900	31.58	-2.20
Steam Coal	(t)	81 856 000	90 910 400	101 085 800	98 593 000	97 924 100	19.63	-0.68
Coking Coal	(t)	15 468 000	15 749 700	10 836 000	10 478 500	10 052 900	-35.01	-4.06
Lignite	(t)	5 750 000	5 739 000	6 560 700	5 929 100	5 422 100	-5.70	-8.55
Nat. Gas (Mio m ³)		28 466	31 587	36 350	33 100	32 810	15.26	-0.88
Petroleum	(t)	78 031 800	86 194 400	90 359 500	90 555 500	85 656 100	9.77	-5.41
Uranium	(t)	29 113	27 500	25 595	26 895	22 967	-21.11	-14.60
Total	(t)	227 850 365	250 229 699	266 769 001	260 683 807	253 302 064		

Kenya

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese	(t)	0	2 700	7 000	16 600	13 600	.	-18.07
Titanium	(t)	339 480	345 560	340 150	262 660	256 410	-24.47	-2.38
Gold	(kg)	197	503	472	395	150	-23.86	-62.03
Diatomite	(t)	1 238	1 406	1 548	921	928	-25.04	0.76
Fluorspar	(t)	42 656	6 945	0	0	0	-100.00	.
Gypsum	(t)	5 760	5 700	5 700	5 700	5 700	-1.04	0.00
Kaolin	(t)	1 000	1 000	1 000	1 000	800	-20.00	-20.00

Abbreviations: see Definitions

Salt	(t)	23 425	43 245	28 841	13 728	4 703	-79.92	-65.74
Vermiculite	(t)	100	0	0	100	0	-100.00	-100.00
Zircon	(t)	39 687	42 217	36 387	30 440	31 730	-20.05	4.24
Petroleum	(t)			0	32 400	41 000	.	26.54
Total	(t)	453 346	448 774	420 626	363 549	354 871		

Korea, North

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	3 333 100	3 645 500	2 082 800	1 796 400	1 640 800	-50.77	-8.66
Molybdenum	(t)	440	480	560	530	100	-77.27	-81.13
Tungsten	(t)	50	310	1 410	1 130	410	720.00	-63.72
Cadmium	(t)	200	200	200	150	150	-25.00	0.00
Copper	(t)	20 000	15 000	15 000	2 000	2 000	-90.00	0.00
Lead	(t)	36 800	31 600	35 000	25 000	24 000	-34.78	-4.00
Zinc	(t)	64 000	36 000	30 000	25 700	25 000	-60.94	-2.72
Gold	(kg)	10 000	10 000	10 000	10 000	10 000	0.00	0.00
Silver	(kg)	50 000	70 000	70 000	50 000	50 000	0.00	0.00
Baryte	(t)	9 000	4 200	4 200	4 000	4 000	-55.56	0.00
Fluorspar	(t)	4 525	6 900	6 900	6 900	6 900	52.49	0.00
Graphite	(t)	47 000	50 000	45 000	45 000	45 000	-4.26	0.00
Magnesite	(t)	160 935	172 488	100 000	100 000	100 000	-37.86	0.00
Salt	(t)	500 000	500 000	500 000	500 000	500 000	0.00	0.00
Sulfur	(t)	10 000	10 000	10 000	10 000	10 000	0.00	0.00
Talc	(t)	40 000	40 000	40 000	40 000	30 000	-25.00	-25.00
Steam Coal	(t)	32 827 000	22 271 000	16 899 000	20 210 000	17 000 000	-48.21	-15.88
Total	(t)	37 053 110	26 783 758	19 770 150	22 766 870	19 388 420		

Korea, South

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	266 810	186 330	229 530	205 410	345 140	29.36	68.02
Molybdenum	(t)	0	0	1	266	411	.	54.51
Titanium	(t)	91 800	122 670	117 250	162 790	158 340	72.48	-2.73
Tungsten	(t)	14	0	0	0	0	-100.00	.
Cadmium	(t)	4 595	4 960	5 100	3 950	4 100	-10.77	3.80
Copper	(t)	117	7	0	0	0	-100.00	.
Gallium	(t)	3	3	3	2	2	-33.33	0.00
Indium	(t)	210	215	235	225	210	0.00	-6.67
Lead	(t)	2 840	3 760	2 340	1 930	1 680	-40.85	-12.95
Zinc	(t)	2 260	3 320	3 660	4 110	4 250	88.05	3.41
Gold	(kg)	205	285	239	181	188	-8.29	3.87
Silver	(kg)	6 579	8 863	7 090	5 243	7 185	9.21	37.04

Abbreviations: see Definitions

Bentonite	(t)	63 834	47 306	31 824	43 886	5 314	-91.68	-87.89
Diatomite	(t)	20 564	133 741	25 902	40 910	65 240	217.25	59.47
Feldspar	(t)	654 398	717 177	617 166	396 898	415 426	-36.52	4.67
Graphite	(t)	0	0	670	302	3 052	.	910.60
Kaolin	(t)	366 511	416 648	369 274	317 626	393 236	7.29	23.80
Salt	(t)	323 470	308 844	282 590	261 970	176 247	-45.51	-32.72
Sulfur	(t)	2 000 000	2 000 000	2 000 000	2 000 000	2 000 000	0.00	0.00
Talc	(t)	592 247	434 292	348 648	330 250	475 764	-19.67	44.06
Steam Coal	(t)	1 727 046	1 485 582	1 201 920	1 084 000	1 019 000	-41.00	-6.00
Nat. Gas (Mio m ³)		148	326	293	248	177	19.59	-28.63
Petroleum	(t)	14 130	29 610	25 730	21 130	13 990	-0.99	-33.79
Total	(t)	6 249 256	6 155 274	5 496 250	5 074 060	5 223 009		

Kosovo

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Nickel	(t)	4 310	7 120	4 790	3 360	4 180	-3.02	24.40
Lead	(t)	6 530	5 100	4 700	3 960	3 870	-40.74	-2.27
Zinc	(t)	4 800	4 500	3 600	3 050	3 890	-18.96	27.54
Lignite	(t)	8 800 848	7 574 697	7 169 767	8 063 051	8 537 948	-2.99	5.89
Total	(t)	8 816 488	7 591 417	7 182 857	8 073 421	8 549 888		

Kuwait

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt	(t)	66 664	58 250	59 300	58 600	59 000	-11.50	0.68
Sulfur	(t)	750 000	556 800	671 000	623 300	620 000	-17.33	-0.53
Nat. Gas (Mio m ³)		17 293	16 892	17 925	17 516	17 522	1.32	0.03
Petroleum	(t)	147 074 800	134 633 070	136 244 500	133 309 720	121 347 440	-17.49	-8.97
Total	(t)	161 725 864	148 761 720	151 314 800	148 004 420	136 044 040		

Kyrgyzstan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Antimony	(t)	1 880	1 380	680	20	20	-98.94	0.00
Copper	(t)	8 638	8 956	8 813	8 640	6 500	-24.75	-24.77
Mercury	(t)	50	10	88	20	20	-60.00	0.00
Gold	(kg)	19 856	22 795	22 602	23 848	24 150	21.63	1.27
Silver	(kg)	20 397	19 212	18 328	19 010	16 127	-20.93	-15.17

Abbreviations: see Definitions

Gypsum	(t)	98 000	100 000	152 842	150 000	150 000	53.06	0.00
Kaolin	(t)	0	40 000	15 000	15 000	15 000	.	0.00
Salt	(t)	7 000	6 000	4 665	5 605	6 000	-14.29	7.05
Steam Coal	(t)	248 000	246 500	316 200	346 500	518 600	109.11	49.67
Lignite	(t)	1 603 000	1 628 900	2 079 000	2 259 500	2 159 030	34.69	-4.45
Nat. Gas (Mio m ³)		29	26	27	24	22	-24.14	-8.33
Petroleum	(t)	145 300	173 200	200 000	233 100	240 200	65.31	3.05
Total	(t)	2 135 108	2 225 788	2 798 929	3 037 628	3 113 010		

Laos

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	69 040	150 000	59 500	282 180	607 830	780.40	115.41
Antimony	(t)	242	320	330	70	0	-100.00	-100.00
Copper	(t)	167 679	153 304	154 948	140 935	92 410	-44.89	-34.43
Lead	(t)	510	660	330	250	90	-82.35	-64.00
Tin	(t)	1 005	975	430	530	600	-40.30	13.21
Zinc	(t)	750	0	3 080	1 250	860	14.67	-31.20
Gold	(kg)	6 764	5 988	5 579	5 207	6 250	-7.60	20.03
Silver	(kg)	50 904	42 841	37 465	34 443	25 640	-49.63	-25.56
Baryte	(t)	33 240	33 325	35 000	48 600	96 278	189.65	98.10
Gypsum	(t)	469 436	463 039	618 783	606 387	737 749	57.16	21.66
Potash	(t)	198 600	307 600	343 500	286 900	442 500	122.81	54.23
Salt	(t)	36 398	37 490	46 863	10 079	3 951	-89.15	-60.80
Steam Coal	(t)	138 809	133 284	142 994	161 494	320 231	130.70	98.29
Lignite	(t)	13 097 121	13 439 492	15 903 277	15 263 562	14 366 628	9.69	-5.88
Total	(t)	14 212 888	14 719 538	17 309 078	16 802 276	16 669 159		

Latvia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	224 000	278 260	320 080	318 450	359 190	60.35	12.79
Total	(t)	224 000	278 260	320 080	318 450	359 190		

Lebanon

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt	(t)	3 000	3 000	3 000	3 000	3 000	0.00	0.00
Total	(t)	3 000	3 000	3 000	3 000	3 000		

Abbreviations: see Definitions

Lesotho

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Diam. (Gem)	(ct)	342 014	1 126 409	1 294 283	1 113 526	481 243	40.71	-56.78
Total	(t)	0	0	0	0	0		

Liberia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	843 100	962 900	2 794 300	2 657 200	2 924 600	246.89	10.06
Gold	(kg)	4 704	6 071	7 289	5 068	4 396	-6.55	-13.26
Diam. (Gem)	(ct)	36 220	36 380	45 330	33 560	32 760	-9.55	-2.38
Diam. (Ind)	(ct)	24 150	24 250	30 220	22 370	21 840	-9.57	-2.37
Total	(t)	843 105	962 906	2 794 307	2 657 205	2 924 604		

Libya

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	150 000	150 000	150 000	200 000	200 000	33.33	0.00
Salt	(t)	30 000	30 000	30 000	30 000	30 000	0.00	0.00
Sulfur	(t)	75 000	133 300	133 000	130 000	130 000	73.33	0.00
Nat. Gas	(Mio m ³)	15 570	14 310	13 880	14 190	17 714	13.77	24.83
Petroleum	(t)	18 809 560	43 757 120	47 343 600	54 609 200	19 388 800	3.08	-64.50
Total	(t)	31 520 560	55 518 420	58 760 600	66 321 200	33 920 000		

Lithuania

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Sulfur	(t)	94 520	93 970	93 960	86 040	71 250	-24.62	-17.19
Petroleum	(t)	63 470	55 830	46 030	39 570	31 630	-50.17	-20.07
Total	(t)	157 990	149 800	139 990	125 610	102 880		

Madagascar

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	52 800	102 000	53 500	37 300	6 100	-88.45	-83.65
Cobalt	(t)	3 654	2 967	2 887	2 947	963	-73.65	-67.32

Nickel	(t)	42 024	34 123	33 204	33 887	11 134	-73.51	-67.14
Titanium	(t)	152 100	230 700	214 000	258 800	220 500	44.97	-14.80
Beryllium	(t)	140	140	140	30	30	-78.57	0.00
Gold	(kg)	586	2 834	2 977	2 059	1 517	158.87	-26.32
Graphite	(t)	9 230	13 300	47 900	53 400	48 055	420.64	-10.01
Salt	(t)	107 000	110 000	110 000	110 000	110 000	2.80	0.00
Zircon	(t)	15 582	25 950	22 400	28 500	25 250	62.05	-11.40
Total	(t)	382 531	519 183	484 034	524 866	422 034		

Malawi

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	2 280	3 000	1 540	1 800	3 010	32.02	67.22
Phosphates	(t)	430	170	270	300	0	-100.00	-100.00
Steam Coal	(t)	43 338	45 230	49 753	54 728	54 876	26.62	0.27
Total	(t)	46 048	48 400	51 563	56 828	57 886		

Malaysia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	1 206 130	2 469 370	2 112 790	2 621 100	3 438 050	185.05	31.17
Manganese	(t)	294 300	514 950	530 340	474 910	362 700	23.24	-23.63
Tantalum	(t)	8	6	27	2	2	-75.00	0.00
Titanium	(t)	5 990	8 500	12 600	6 930	7 010	17.03	1.15
Aluminium	(t)	620 000	760 000	760 000	760 000	980 700	58.18	29.04
Bauxite	(t)	6 700 000	830 000	589 685	900 561	594 715	-91.12	-33.96
Rare Earths	(t)	1 130	180	990	70	70	-93.81	0.00
Tin	(t)	4 158	4 819	3 868	3 611	2 961	-28.79	-18.00
Gold	(kg)	2 249	2 124	2 978	3 151	1 716	-23.70	-45.54
Silver	(kg)	1 075	1 404	1 542	686	400	-62.79	-41.69
Feldspar	(t)	441 856	411 204	414 441	241 189	240 000	-45.68	-0.49
Kaolin	(t)	392 933	444 559	496 219	400 722	301 503	-23.27	-24.76
Zircon	(t)	653	1 595	509	449	450	-31.09	0.22
Steam Coal	(t)	2 414 764	2 988 211	2 652 814	3 459 122	2 978 248	23.33	-13.90
Nat. Gas (Mio m ³)		67 557	70 290	66 212	68 700	63 370	-6.20	-7.76
Petroleum	(t)	33 193 400	32 887 600	32 509 900	30 384 800	27 679 100	-16.61	-8.90
Total	(t)	99 320 925	97 552 997	93 053 788	94 213 470	87 281 511		

Abbreviations: see Definitions

Mali

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	46 903	49 622	60 893	66 739	71 200	51.80	6.68
Silver	(kg)	2 600	2 900	2 844	3 000	3 000	15.38	0.00
Total	(t)	50	53	64	70	74		

Malta

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt	(t)	1 600	1 600	1 600	1 600	1 600	0.00	0.00
Total	(t)	1 600	1 600	1 600	1 600	1 600		

Mauritania

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	8 624 200	7 678 500	6 961 700	7 927 700	8 135 000	-5.67	2.61
Copper	(t)	32 818	28 791	28 137	29 620	28 491	-13.18	-3.81
Gold	(kg)	7 127	9 096	9 236	13 554	14 125	98.19	4.21
Gypsum	(t)	60 000	80 000	130 000	130 000	120 000	100.00	-7.69
Petroleum	(t)	235 600	165 600	0	0	0	-100.00	.
Total	(t)	8 952 625	7 952 900	7 119 846	8 087 334	8 283 505		

Mauritius

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Salt	(t)	500	1 000	1 000	1 500	2 200	340.00	46.67
Total	(t)	500	1 000	1 000	1 500	2 200		

Mexico

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	8 454 390	7 027 520	8 412 810	10 331 270	10 774 600	27.44	4.29
Manganese	(t)	215 782	218 510	209 023	232 957	258 045	19.59	10.77
Molybdenum	(t)	11 896	13 985	20 265	21 694	20 577	72.97	-5.15
Tungsten	(t)			45	15	32	.	113.33

Abbreviations: see Definitions

Antimony	(t)	166	240	300	289	136	-18.07	-52.94
Bauxite	(t)	96 000	0	0	0	0	-100.00	.
Bismuth	(t)	539	513	313	291	0	-100.00	-100.00
Cadmium	(t)	1 244	1 142	1 307	952	978	-21.38	2.73
Copper	(t)	793 982	742 246	696 580	713 704	800 316	0.80	12.14
Lead	(t)	246 755	243 022	230 869	372 106	468 486	89.86	25.90
Mercury	(t)	267	200	230	50	70	-73.78	40.00
Selenium	(t)	121	112	107	127	106	-12.40	-16.54
Zinc	(t)	666 896	671 444	662 355	859 194	1 008 252	51.19	17.35
Gold	(kg)	133 552	126 820	141 143	133 893	142 787	6.91	6.64
Silver	(kg)	5 474 968	5 815 034	7 243 341	7 485 602	7 424 554	35.61	-0.82
Baryte	(t)	173 781	359 912	366 234	415 180	480 954	176.76	15.84
Bentonite	(t)	109 176	148 475	264 800	24 321	79 219	-27.44	225.72
Diatomite	(t)	109 970	96 474	152 028	129 274	144 105	31.04	11.47
Feldspar	(t)	318 169	500 692	907 755	516 196	903 385	183.93	75.01
Fluorspar	(t)	659 776	741 678	1 959 654	1 931 532	1 571 269	138.15	-18.65
Graphite	(t)	14 200	10 310	4 130	2 342	2 033	-85.68	-13.19
Gypsum	(t)	7 697 838	9 197 520	11 275 293	7 759 139	7 977 953	3.64	2.82
Kaolin	(t)	452 070	325 864	898 246	246 645	1 003 889	122.06	307.02
Magnesite	(t)	101 000	101 000	101 000	800	0	-100.00	-100.00
Perlite	(t)	28 431	15 899	26 400	24 497	0	-100.00	-100.00
Phosphates	(t)	988 280	692 150	222 500	249 520	91 240	-90.77	-63.43
Salt	(t)	10 443 786	9 570 779	9 392 052	8 845 239	9 084 859	-13.01	2.71
Sulfur	(t)	673 285	551 218	442 657	364 967	315 935	-53.08	-13.43
Talc	(t)	17 263	7 129	8 448	7 202	29 122	68.70	304.36
Vermiculite	(t)	310	464	244	148	104	-66.45	-29.73
Steam Coal	(t)	8 173 505	7 528 900	6 772 528	6 175 726	2 185 295	-73.26	-64.61
Coking Coal	(t)	5 551 135	4 566 000	3 897 000	3 275 000	4 587 000	-17.37	40.06
Nat. Gas (Mio m ³)		34 390	30 470	29 860	29 370	30 460	-11.43	3.71
Petroleum	(t)	120 445 280	109 084 360	101 605 440	94 161 830	93 860 550	-22.07	-0.32
Total	(t)	193 962 902	176 799 700	172 425 997	160 165 827	160 024 078		

Moldova

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	204 400	358 500	352 500	276 400	292 600	43.15	5.86
Petroleum	(t)	6 000	5 000	5 100	5 032	5 032	-16.13	0.00
Total	(t)	210 400	363 500	357 600	281 432	297 632		

Mongolia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	3 407 480	4 309 030	3 486 220	4 800 430	5 165 660	51.60	7.61
Molybdenum	(t)	2 432	2 640	2 580	2 490	2 890	18.83	16.06
Tungsten	(t)	755	523	430	370	35	-95.36	-90.54
Copper	(t)	374 260	314 920	309 750	290 980	291 010	-22.24	0.01
Lead	(t)	4 720	7 390	11 320	13 500	12 400	162.71	-8.15

Abbreviations: see Definitions

Tin	(t)	25	20	25	20	0	-100.00	-100.00
Zinc	(t)	50 100	41 350	43 950	41 550	38 150	-23.85	-8.18
Gold	(kg)	18 436	19 849	20 655	16 235	20 226	9.71	24.58
Silver	(kg)	84 920	67 190	69 120	79 864	77 762	-8.43	-2.63
Fluorspar	(t)	248 900	319 330	555 230	699 400	678 900	172.76	-2.93
Salt	(t)	478	860	997	533	2 624	448.95	392.31
Steam Coal	(t)	5 496 000	6 286 990	6 914 400	6 683 100	6 280 200	14.27	-6.03
Coking Coal	(t)	19 998 000	25 672 000	27 073 750	28 962 970	27 216 800	36.10	-6.03
Lignite	(t)	6 672 000	6 783 000	7 449 000	8 053 080	6 021 000	-9.76	-25.23
Petroleum	(t)	1 125 300	1 039 900	871 500	937 900	560 000	-50.24	-40.29
Total	(t)	37 380 553	44 778 040	46 719 242	50 486 419	46 269 767		

Montenegro

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	38 915	39 379	40 163	36 522	37 208	-4.39	1.88
Bauxite	(t)	667 259	927 847	468 164	774 725	791 813	18.67	2.21
Lead	(t)	2 500	3 050	3 100	3 480	640	-74.40	-81.61
Zinc	(t)	8 100	8 820	10 670	9 520	10 130	25.06	6.41
Lignite	(t)	1 397 500	1 474 800	1 595 900	1 605 200	1 665 449	19.17	3.75
Total	(t)	2 114 274	2 453 896	2 117 997	2 429 447	2 505 240		

Morocco

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	5 510	36 120	18 520	7 150	14 090	155.72	97.06
Cobalt	(t)	2 081	1 924	1 806	2 397	2 416	16.10	0.79
Manganese	(t)	34 170	49 500	39 770	35 600	42 050	23.06	18.12
Nickel	(t)	188	196	126	131	142	-24.47	8.40
Arsenic	(t)	6 122	6 879	5 578	5 055	7 694	25.68	52.21
Copper	(t)	31 810	35 420	32 430	30 720	31 750	-0.19	3.35
Lead	(t)	28 670	38 040	30 360	32 770	38 190	33.21	16.54
Mercury	(t)	20	10	5	2	2	-90.00	0.00
Zinc	(t)	43 020	51 700	57 700	43 570	35 810	-16.76	-17.81
Gold	(kg)	352	220	386	221	143	-59.38	-35.29
Silver	(kg)	268 523	277 130	200 530	216 580	189 220	-29.53	-12.63
Baryte	(t)	668 500	818 016	899 365	1 119 811	501 939	-24.92	-55.18
Bentonite	(t)	103 230	174 546	172 749	188 081	92 387	-10.50	-50.88
Feldspar	(t)	33 600	101 064	75 298	101 947	185 772	452.89	82.22
Fluorspar	(t)	73 920	75 509	87 874	73 244	83 833	13.41	14.46
Phosphates	(t)	8 601 000	10 490 100	10 960 200	11 267 500	11 959 000	39.04	6.14
Salt	(t)	634 610	659 263	691 637	854 397	490 896	-22.65	-42.54

Abbreviations: see Definitions

Nat. Gas (Mio m ³)	80	81	87	99	98	22.50	-1.01
Petroleum (t)	4 841	4 640	4 840	4 335	4 098	-15.35	-5.47
Total (t)	10 335 561	12 608 004	13 148 059	13 846 127	13 568 658		

Mozambique

	2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Niobium (t)	7	10	12	11	17	142.86	54.55
Tantalum (t)	41	57	66	59	94	129.27	59.32
Titanium (t)	731 200	725 200	701 400	786 900	874 000	19.53	11.07
Aluminium (t)	571 125	577 495	571 125	564 756	571 125	0.00	1.13
Bauxite (t)	1 451	3 182	9 912	8 024	6 491	347.35	-19.11
Beryllium (t)	181	53	416	0	80	-55.80	.
Gold (kg)	201	166	507	430	488	142.79	13.49
Bentonite (t)	322	285	1 091	77 734	80 189	24 803.42	3.16
Diatomite (t)	1 305	0	34 200	72 439	35 257	2 601.69	-51.33
Graphite (t)	0	802	104 000	153 000	18 159	.	-88.13
Salt (t)	10 127	21 458	27 729	28 250	43 000	324.61	52.21
Zircon (t)	215 222	159 664	202 022	121 768	104 076	-51.64	-14.53
Steam Coal (t)	2 214 199	4 391 833	6 891 201	4 983 146	3 370 585	52.23	-32.36
Coking Coal (t)	3 972 122	7 385 930	8 355 292	5 356 390	4 670 626	17.59	-12.80
Nat. Gas (Mio m ³)	5 160	5 110	5 120	4 620	4 880	-5.43	5.63
Petroleum (t)	65 080	55 790	51 810	41 250	55 940	-14.04	35.61
Total (t)	11 910 382	17 409 759	21 046 277	15 889 727	13 733 639		

Myanmar

	2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese (t)	116 000	136 600	207 500	429 000	254 000	118.97	-40.79
Nickel (t)	25 000	29 250	17 750	14 200	22 000	-12.00	54.93
Tungsten (t)	170	330	190	130	80	-52.94	-38.46
Antimony (t)	2 000	4 500	2 640	4 800	6 600	230.00	37.50
Copper (t)	94 390	126 930	179 310	219 200	196 500	108.18	-10.36
Lead (t)	21 600	14 890	24 930	35 090	27 290	26.34	-22.23
Rare Earths (t)	2 730	5 000	20 400	17 100	21 000	669.23	22.81
Tin (t)	61 400	67 300	54 500	38 900	33 440	-45.54	-14.04
Zinc (t)	6 500	13 150	12 240	13 680	11 310	74.00	-17.32
Gold (kg)	1 446	1 620	467	267	871	-39.76	226.22
Baryte (t)	2 627	3 206	9 658	12 439	2 600	-1.03	-79.10
Bentonite (t)	600	600	540	0	500	-16.67	.
Gypsum (t)	245 789	361 015	309 343	299 316	240 420	-2.18	-19.68
Salt (t)	212 041	158 499	189 146	213 319	229 750	8.35	7.70

Abbreviations: see Definitions

Steam Coal	(t)	317 000	646 900	819 715	1 156 100	1 099 980	247.00	-4.85
Lignite	(t)	233 000	90 000	485 724	785 480	789 100	238.67	0.46
Nat. Gas	(Mio m ³)	18 980	18 660	16 040	18 810	17 820	-6.11	-5.26
Petroleum	(t)	608 800	573 400	480 500	429 000	355 900	-41.54	-17.04
Total	(t)	17 133 648	17 159 572	15 646 086	18 715 754	17 546 471		

Namibia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	5 680	1 640	8 730	8 400	27 570	385.39	228.21
Manganese	(t)	5 050	9 820	8 800	14 660	10 010	98.22	-31.72
Arsenic	(t)	1 960	700	0	0	0	-100.00	.
Copper	(t)	16 391	15 466	15 177	14 940	15 741	-3.97	5.36
Lead	(t)	6 800	5 805	4 291	6 320	8 890	30.74	40.66
Lithium	(t)		0	600	0	0	.	.
Tin	(t)			0	7	242	.	3 357.14
Zinc	(t)	132 470	131 920	118 310	124 630	62 260	-53.00	-50.04
Gold	(kg)	7 062	7 800	6 632	7 016	6 718	-4.87	-4.25
Silver	(kg)	4 702	6 490	3 850	7 765	7 520	59.93	-3.16
Diam. (Gem)	(ct)	1 494 350	1 713 800	1 985 670	1 722 830	1 428 445	-4.41	-17.09
Diam. (Ind)	(ct)	78 650	90 200	104 510	90 675	75 180	-4.41	-17.09
Graphite	(t)	0	2 216	3 456	0	0	.	.
Salt	(t)	835 539	866 586	1 151 153	983 354	987 872	18.23	0.46
Sulfur	(t)	62 630	72 280	78 610	72 920	81 500	30.13	11.77
Uranium	(t)	4 308	4 981	6 514	6 459	6 382	48.14	-1.19
Total	(t)	1 070 840	1 111 428	1 395 652	1 231 705	1 200 482		

Nauru

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Phosphates	(t)	39 800	50 900	23 000	30 600	39 400	-1.01	28.76
Total	(t)	39 800	50 900	23 000	30 600	39 400		

Nepal

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	0	350	180	120	0	.	-100.00
Talc	(t)	1 860	7 096	8 658	7 813	2 719	46.18	-65.20
Steam Coal	(t)	2 900	10 237	10 049	61 179	69 418	2 293.72	13.47
Total	(t)	4 760	17 683	18 887	69 112	72 137		

Abbreviations: see Definitions

Netherlands

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	36 300	29 300	41 300	81 100	70 600	94.49	-12.95
Cadmium	(t)	1 000	890	960	860	880	-12.00	2.33
Salt	(t)	6 625 418	6 935 000	6 750 546	5 913 782	5 712 038	-13.79	-3.41
Nat. Gas	(Mio m ³)	50 324	43 098	36 740	31 648	22 811	-54.67	-27.92
Petroleum	(t)	1 273 800	1 222 000	1 129 300	892 600	862 200	-32.31	-3.41
Total	(t)	48 195 718	42 665 590	37 314 106	32 206 742	24 894 518		

New Caledonia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Cobalt	(t)	3 188	2 780	2 104	1 703	2 197	-31.09	29.01
Nickel	(t)	204 207	215 382	216 225	208 185	199 697	-2.21	-4.08
Total	(t)	207 395	218 162	218 329	209 888	201 894		

New Zealand

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	2 027 560	2 324 640	2 100 000	1 915 000	2 260 000	11.46	18.02
Aluminium	(t)	338 556	336 740	340 678	351 481	333 314	-1.55	-5.17
Gold	(kg)	9 866	10 288	10 045	8 217	5 860	-40.60	-28.68
Silver	(kg)	7 960	8 022	6 332	4 060	1 393	-82.50	-65.69
Bentonite	(t)	700	700	4 482	500	500	-28.57	0.00
Kaolin	(t)	61 650	50 424	51 369	50 569	50 000	-18.90	-1.13
Salt	(t)	102 000	102 000	100 000	100 000	100 000	-1.96	0.00
Steam Coal	(t)	1 383 000	1 426 000	1 710 060	1 545 230	1 482 000	7.16	-4.09
Coking Coal	(t)	1 171 000	1 173 100	1 213 400	1 200 900	1 038 970	-11.27	-13.48
Lignite	(t)	313 035	319 487	307 378	287 830	297 690	-4.90	3.43
Nat. Gas	(Mio m ³)	4 811	4 808	4 204	4 510	4 436	-7.79	-1.64
Petroleum	(t)	1 571 650	1 400 440	1 085 220	1 121 090	963 860	-38.67	-14.02
Total	(t)	10 817 969	10 979 949	10 275 803	10 180 612	10 075 141		

Nicaragua

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	8 391	7 367	7 703	9 190	7 935	-5.43	-13.66
Silver	(kg)	21 382	15 419	11 263	17 362	20 186	-5.59	16.27

Abbreviations: see Definitions

Gypsum	(t)	41 750	66 740	70 341	39 925	64 573	54.67	61.74
Salt	(t)	55 000	50 000	50 000	55 000	55 000	0.00	0.00
Total	(t)	96 779	116 762	120 360	94 951	119 601		

Niger

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	999	914	6 207	5 224	2 361	136.34	-54.80
Silver	(kg)	100	100	300	100	120	20.00	20.00
Steam Coal	(t)	246 631	233 792	221 580	225 920	246 880	0.10	9.28
Petroleum	(t)	820 300	909 200	827 300	903 400	855 500	4.29	-5.30
Uranium	(t)	4 101	4 066	3 433	3 516	3 527	-14.00	0.31
Total	(t)	1 071 033	1 147 059	1 052 319	1 132 841	1 105 909		

Nigeria

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	700	0	700	18 300	100	-85.71	-99.45
Manganese	(t)	20 330	13 550	22 880	1 000	5 850	-71.22	485.00
Niobium	(t)	104	122	181	170	80	-23.08	-52.94
Tantalum	(t)	66	480	230	120	100	51.52	-16.67
Tungsten	(t)	8	12	66	15	18	125.00	20.00
Beryllium	(t)	0	0	35	1	2	.	100.00
Lead	(t)	14 500	24 260	17 900	23 550	20 100	38.62	-14.65
Lithium	(t)		0	50	10	0	.	-100.00
Tin	(t)	3 443	8 260	7 850	6 900	5 970	73.40	-13.48
Zinc	(t)	13 400	22 130	26 920	23 310	26 880	100.60	15.32
Gold	(kg)	7 000	7 000	10 000	9 000	1 520	-78.29	-83.11
Baryte	(t)	537	717	387	370	544	1.30	47.03
Feldspar	(t)	34 144	27 660	41 355	33 702	19 453	-43.03	-42.28
Fluorspar	(t)		0	0	4 730	17 557	.	271.18
Gypsum	(t)	28 000	39 939	39 052	22 142	30 706	9.66	38.68
Kaolin	(t)	24 104	46 935	11 707	8 649	7 033	-70.82	-18.68
Talc	(t)	667	1 897	2 668	6 630	8 404	1 159.97	26.76
Zircon	(t)	891	4 086	1 421	1 000	242	-72.84	-75.80
Steam Coal	(t)	989 155	397 214	352 679	543 424	747 979	-24.38	37.64
Nat. Gas (Mio m ³)		48 640	50 630	50 810	51 870	52 040	6.99	0.33
Petroleum	(t)	89 588 000	94 081 000	95 675 000	100 287 000	87 891 000	-1.89	-12.36
Total	(t)	129 630 056	135 172 269	136 849 091	142 477 032	130 414 020		

Abbreviations: see Definitions

North Macedonia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Copper	(t)	10 429	8 966	7 718	7 231	6 625	-36.48	-8.38
Lead	(t)	31 030	39 850	41 900	43 490	44 930	44.80	3.31
Zinc	(t)	24 870	27 510	29 720	31 040	31 750	27.66	2.29
Gold	(kg)	664	972	767	593	448	-32.53	-24.45
Silver	(kg)	13 970	16 020	15 060	15 620	16 090	15.18	3.01
Bentonite	(t)	1 968	912	2 945	682	2 196	11.59	221.99
Feldspar	(t)	19 919	21 237	30 813	29 519	13 115	-34.16	-55.57
Gypsum	(t)	202 582	217 491	230 029	267 181	229 322	13.20	-14.17
Talc	(t)	729	478	559	0	0	-100.00	.
Lignite	(t)	5 130 055	5 056 918	4 946 486	5 066 083	4 532 745	-11.64	-10.53
Total	(t)	5 421 597	5 373 379	5 290 186	5 445 243	4 860 699		

Norway

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	1 425 000	992 700	1 129 900	1 069 700	1 014 700	-28.79	-5.14
Molybdenum	(t)	1	0	0	1	1	0.00	0.00
Nickel	(t)	230	190	170	135	120	-47.83	-11.11
Titanium	(t)	260 000	238 200	176 370	211 280	229 780	-11.62	8.76
Aluminium	(t)	1 247 000	1 253 000	1 295 000	1 312 000	1 330 000	6.66	1.37
Cadmium	(t)	335	416	380	370	344	2.69	-7.03
Bentonite	(t)		0	3 234	0	0	.	.
Feldspar	(t)	70 000	87 900	88 000	80 000	69 000	-1.43	-13.75
Graphite	(t)	9 600	9 600	10 000	9 780	5 549	-42.20	-43.26
Gypsum	(t)	82 386	87 891	89 655	102 100	93 602	13.61	-8.32
Salt	(t)	10 632	10 000	56 000	10 000	5 300	-50.15	-47.00
Sulfur	(t)	110 000	100 000	120 000	100 000	100 000	-9.09	0.00
Steam Coal	(t)	960 341	134 433	154 200	117 000	63 000	-93.44	-46.15
Nat. Gas	(Mio m ³)	116 767	124 664	122 203	115 123	112 296	-3.83	-2.46
Petroleum	(t)	91 424 500	89 849 500	84 275 900	79 388 000	93 090 400	1.82	17.26
Total	(t)	189 013 625	192 495 030	185 161 209	174 498 766	185 838 596		

Oman

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	232 820	181 090	353 630	293 040	152 840	-34.35	-47.84
Manganese	(t)	3 660	3 400	11 170	12 500	2 180	-40.44	-82.56
Aluminium	(t)	386 395	252 714	379 775	390 515	396 929	2.73	1.64
Gypsum	(t)	7 933 617	8 438 286	9 666 701	10 982 900	10 213 900	28.74	-7.00
Kaolin	(t)	188 300	218 600	110 300	34 100	43 300	-77.00	26.98

Abbreviations: see Definitions

Salt	(t)	12 100	18 035	11 537	15 003	11 700	-3.31	-22.02
Sulfur	(t)	35 560	59 140	84 990	79 140	80 830	127.31	2.14
Nat. Gas	(Mio m ³)	32 601	33 172	37 660	37 460	36 110	10.76	-3.60
Petroleum	(t)	50 135 200	48 308 200	48 710 000	48 339 200	47 460 200	-5.34	-1.82
Total	(t)	85 008 452	84 017 065	89 456 103	90 114 398	87 249 879		

Pakistan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	164 220	190 630	257 340	238 440	218 000	32.75	-8.57
Chromium	(t)	27 730	42 100	38 970	55 300	48 570	75.15	-12.17
Manganese	(t)	20	430	50	390	400	1 900.00	2.56
Antimony	(t)	21	15	20	0	17	-19.05	.
Bauxite	(t)	57 024	75 375	145 189	92 936	101 047	77.20	8.73
Copper	(t)	14 136	10 052	12 538	13 049	13 200	-6.62	1.16
Lead	(t)	1 196	3 050	4 820	8 090	7 094	493.14	-12.31
Zinc	(t)	7 700	19 460	26 980	37 365	35 054	355.25	-6.18
Baryte	(t)	157 858	91 711	88 847	116 480	55 341	-64.94	-52.49
Bentonite	(t)	42 038	42 770	74 268	49 380	50 000	18.94	1.26
Feldspar	(t)	316 289	273 468	151 743	346 236	350 000	10.66	1.09
Fluorspar	(t)	9 494	2 263	2 777	4 208	4 200	-55.76	-0.19
Gypsum	(t)	1 871 716	2 079 629	2 475 893	2 517 825	2 149 873	14.86	-14.61
Kaolin	(t)	20 726	28 710	19 483	20 756	14 000	-32.45	-32.55
Magnesite	(t)	35 228	19 656	23 596	42 996	16 165	-54.11	-62.40
Phosphates	(t)	20 730	11 100	12 340	14 950	15 000	-27.64	0.33
Salt	(t)	3 867 325	3 806 888	3 888 344	4 055 936	3 626 798	-6.22	-10.58
Sulfur	(t)	14 869	23 740	22 040	20 715	19 948	34.16	-3.70
Talc	(t)	125 985	152 279	141 504	156 935	150 009	19.07	-4.41
Steam Coal	(t)	3 749 312	3 953 992	4 477 555	5 406 878	8 428 237	124.79	55.88
Nat. Gas	(Mio m ³)	41 958	41 678	41 313	40 679	37 283	-11.14	-8.35
Petroleum	(t)	4 246 335	4 329 141	4 441 610	4 433 150	3 832 330	-9.75	-13.55
Uranium	(t)	53	53	53	53	53	0.00	0.00
Total	(t)	48 316 405	48 498 912	49 356 360	50 175 268	48 961 736		

Panama

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Copper	(t)			0	147 480	205 548	.	39.37
Gold	(kg)	0	0	0	1 869	2 633	.	40.88
Silver	(kg)			0	35 217	49 628	.	40.92
Salt	(t)	23 470	18 590	17 281	27 389	24 958	6.34	-8.88
Total	(t)	23 470	18 590	17 281	174 906	230 559		

Abbreviations: see Definitions

Papua New Guinea

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	23 400	34 470	40 290	52 010	52 700	125.21	1.33
Cobalt	(t)	2 187	3 307	3 275	2 915	2 941	34.48	0.89
Nickel	(t)	22 234	34 664	35 354	33 091	33 659	51.39	1.72
Copper	(t)	80 022	105 448	96 277	99 432	82 841	3.52	-16.69
Gold	(kg)	61 785	61 678	67 282	71 050	52 510	-15.01	-26.09
Silver	(kg)	95 879	69 650	113 890	162 630	130 635	36.25	-19.67
Nat. Gas	(Mio m ³)	3 128	3 286	2 914	3 339	3 325	6.30	-0.42
Petroleum	(t)	2 907 400	2 656 600	1 898 700	1 889 900	1 960 100	-32.58	3.71
Total	(t)	5 537 801	5 463 421	4 405 277	4 748 782	4 792 425		

Paraguay

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	4 500	4 500	4 500	4 500	4 500	0.00	0.00
Kaolin	(t)	6 000	6 000	6 000	6 000	6 000	0.00	0.00
Total	(t)	10 500	10 500	10 500	10 500	10 500		

Peru

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	7 663 120	8 806 450	9 533 870	10 120 007	8 893 972	16.06	-12.11
Manganese	(t)	1 194	1 133	17 203	18 814	10 120	747.57	-46.21
Molybdenum	(t)	25 757	28 141	28 034	30 441	32 185	24.96	5.73
Tungsten	(t)	154	0	0	0	0	-100.00	.
Arsenic	(t)	23 252	22 403	20 376	24 915	19 014	-18.23	-23.68
Bismuth	(t)	188	123	145	73	74	-60.64	1.37
Cadmium	(t)	820	797	765	772	451	-45.00	-41.58
Copper	(t)	2 353 859	2 445 585	2 437 035	2 455 440	2 150 126	-8.66	-12.43
Indium	(t)	5	5	5	7	7	40.00	0.00
Lead	(t)	314 422	306 784	289 123	308 116	241 548	-23.18	-21.60
Selenium	(t)	45	50	55	60	53	17.78	-11.67
Tin	(t)	18 789	17 790	18 601	19 853	20 647	9.89	4.00
Zinc	(t)	1 337 081	1 473 073	1 474 674	1 404 382	1 334 570	-0.19	-4.97
Gold	(kg)	153 006	151 964	140 211	128 413	88 054	-42.45	-31.43
Silver	(kg)	4 375 337	4 417 987	4 160 162	3 860 306	2 723 879	-37.74	-29.44
Baryte	(t)	7 953	9 182	15 621	16 373	5 242	-34.09	-67.98
Bentonite	(t)	19 410	756	2 383	46 887	25 532	31.54	-45.55
Boron	(t)	33 792	0	100 552	111 108	43 645	29.16	-60.72
Diatomite	(t)	107 265	96 590	96 532	91 103	85 406	-20.38	-6.25
Feldspar	(t)	16 630	14 930	31 588	29 134	24 132	45.11	-17.17
Gypsum	(t)	257 423	286 657	458 479	254 382	171 093	-33.54	-32.74
Kaolin	(t)	19 098	17 700	16 004	9 208	12 536	-34.36	36.14

Abbreviations: see Definitions

Phosphates	(t)	4 013 220	3 211 140	3 917 140	4 214 770	3 265 790	-18.62	-22.52
Salt	(t)	1 450 415	1 481 398	1 509 564	1 266 347	1 030 598	-28.94	-18.62
Sulfur	(t)	551 100	536 200	552 800	511 500	474 500	-13.90	-7.23
Talc	(t)	29 379	42 123	47 309	43 974	37 938	29.13	-13.73
Steam Coal	(t)	268 883	301 446	218 787	181 023	131 516	-51.09	-27.35
Nat. Gas (Mio m ³)		14 001	12 942	12 721	13 429	12 030	-14.08	-10.42
Petroleum	(t)	6 744 300	6 688 300	6 688 500	6 956 200	6 221 400	-7.75	-10.56
Total	(t)	36 462 882	36 146 926	37 656 245	38 862 077	33 858 907		

Philippines

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	10 300	0	0	0	25 700	149.51	.
Chromium	(t)	10 300	8 340	20 260	14 570	14 040	36.31	-3.64
Cobalt	(t)	3 500	3 700	3 600	3 750	3 600	2.86	-4.00
Nickel	(t)	300 506	339 377	344 966	323 325	328 372	9.27	1.56
Copper	(t)	83 649	68 156	69 933	71 892	60 856	-27.25	-15.35
Selenium	(t)	90	100	100	100	100	11.11	0.00
Gold	(kg)	23 053	22 749	20 765	20 646	17 564	-23.81	-14.93
Silver	(kg)	35 186	31 737	29 782	31 267	24 024	-31.72	-23.16
Bentonite	(t)	3 230	2 620	10 800	13 050	4 720	46.13	-63.83
Feldspar	(t)	46 630	47 000	47 000	47 000	47 000	0.79	0.00
Kaolin	(t)	10 059	10 000	10 000	10 000	10 000	-0.59	0.00
Magnesite	(t)	10 310	200	140	40	0	-100.00	-100.00
Perlite	(t)	38 745	15 038	7 329	6 608	0	-100.00	-100.00
Phosphates	(t)	8 690	8 600	1 500	200	200	-97.70	0.00
Salt	(t)	1 238 610	1 250 000	600 000	200 000	200 000	-83.85	0.00
Sulfur	(t)	1 134 400	1 056 400	1 100 000	1 050 000	860 000	-24.19	-18.10
Steam Coal	(t)	11 211 000	11 932 000	13 055 840	15 273 525	13 267 098	18.34	-13.14
Nat. Gas (Mio m ³)		3 979	3 942	4 270	4 403	4 013	0.85	-8.86
Petroleum	(t)	838 800	750 300	726 300	652 300	568 700	-32.20	-12.82
Total	(t)	18 132 077	18 645 486	19 413 819	21 188 812	18 600 828		

Poland

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Nickel	(t)	770	720	660	755	710	-7.79	-5.96
Cadmium	(t)	200	309	305	199	80	-60.00	-59.80
Copper	(t)	424 276	419 300	401 300	398 900	392 700	-7.44	-1.55
Lead	(t)	43 060	39 000	40 210	48 510	46 790	8.66	-3.55
Rhenium	(kg)	6 443	7 564	6 290	5 770	6 580	2.13	14.04
Selenium	(t)	82	74	66	76	74	-9.76	-2.63
Zinc	(t)	61 000	50 000	43 000	40 000	43 000	-29.51	7.50

Abbreviations: see Definitions

Gold	(kg)	402	572	523	674	878	118.41	30.27
Palladium	(kg)	30	7	5	5	4	-86.67	-20.00
Platinum	(kg)	50	11	8	8	6	-88.00	-25.00
Silver	(kg)	1 264 659	1 289 900	1 264 300	1 249 000	1 218 000	-3.69	-2.48
Bentonite	(t)	1 000	0	560	500	920	-8.00	84.00
Diatomite	(t)	500	500	580	680	810	62.00	19.12
Feldspar	(t)	88 140	91 200	71 480	42 160	29 440	-66.60	-30.17
Gypsum	(t)	1 043 000	1 108 000	1 042 000	1 065 000	1 057 000	1.34	-0.75
Kaolin	(t)	299 830	284 650	310 850	317 190	292 940	-2.30	-7.65
Magnesite	(t)	77 920	101 920	102 110	91 490	65 250	-16.26	-28.68
Salt	(t)	4 079 000	4 660 000	4 125 000	4 063 000	3 638 000	-10.81	-10.46
Sulfur	(t)	1 253 800	1 321 410	1 250 400	1 210 240	1 011 080	-19.36	-16.46
Steam Coal	(t)	57 181 000	52 999 300	51 336 590	49 552 170	42 111 970	-26.35	-15.01
Coking Coal	(t)	13 204 000	12 480 640	12 047 000	12 071 220	12 273 960	-7.04	1.68
Lignite	(t)	60 273 000	63 060 000	61 144 000	52 855 000	47 300 000	-21.52	-10.51
Nat. Gas (Mio m ³)		5 073	5 009	4 926	4 976	4 934	-2.74	-0.84
Petroleum	(t)	957 050	939 240	937 040	936 760	911 430	-4.77	-2.70
Total	(t)	143 047 299	141 564 762	136 795 222	126 675 906	113 124 580		

Portugal

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Tungsten	(t)	549	669	716	518	553	0.73	6.76
Copper	(t)	74 352	63 812	49 064	41 553	32 230	-56.65	-22.44
Lead	(t)	4 126	5 164	19 440	27 852	28 178	582.94	1.17
Lithium	(t)	307	604	914	710	280	-8.79	-60.56
Tin	(t)	54	81	111	108	104	92.59	-3.70
Zinc	(t)	71 052	71 357	144 983	161 569	176 849	148.90	9.46
Silver	(kg)	38 631	40 186	90 760	95 270	95 954	148.39	0.72
Feldspar	(t)	132 105	126 211	130 475	106 754	122 969	-6.92	15.19
Gypsum	(t)	255 026	152 059	232 921	209 076	210 231	-17.56	0.55
Kaolin	(t)	283 571	307 982	374 029	311 677	320 655	13.08	2.88
Salt	(t)	6 092	7 800	6 201	4 709	4 217	-30.78	-10.45
Talc	(t)	11 699	13 600	10 144	12 901	9 751	-16.65	-24.42
Total	(t)	838 972	749 379	969 089	877 522	906 113		

Qatar

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	612 000	620 000	616 000	627 400	631 400	3.17	0.64
Sulfur	(t)	2 419 000	2 000 000	1 767 000	2 050 000	1 650 000	-31.79	-19.51
Nat. Gas (Mio m ³)		167 100	166 500	165 600	167 610	167 435	0.20	-0.10
Petroleum	(t)	79 522 000	75 393 420	77 171 170	77 086 260	77 040 550	-3.12	-0.06
Total	(t)	216 233 000	211 213 420	212 034 170	213 851 660	213 269 950		

Abbreviations: see Definitions

Romania

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese	(t)	1 550	5 660	5 150	9 290	8 450	445.16	-9.04
Aluminium	(t)	272 507	282 074	282 810	280 326	271 307	-0.44	-3.22
Copper	(t)	8 390	8 160	8 555	9 180	9 130	8.82	-0.54
Lead	(t)	120	720	1 200	520	510	325.00	-1.92
Zinc	(t)	1 500	770	330	1 260	100	-93.33	-92.06
Gold	(kg)	500	960	900	500	500	0.00	0.00
Silver	(kg)	18 000	18 000	18 000	18 000	18 000	0.00	0.00
Bentonite	(t)	24 996	28 005	34 809	41 964	45 495	82.01	8.41
Feldspar	(t)	4 501	5 000	20 000	20 000	20 000	344.35	0.00
Gypsum	(t)	714 273	764 786	749 668	878 546	925 782	29.61	5.38
Kaolin	(t)	31 000	31 000	7 220	6 089	0	-100.00	-100.00
Salt	(t)	2 100 000	2 340 000	2 374 973	2 015 579	1 175 979	-44.00	-41.66
Lignite	(t)	22 980 000	25 752 300	23 647 150	21 652 320	15 030 906	-34.59	-30.58
Nat. Gas	(Mio m ³)	9 811	10 582	10 278	9 959	8 914	-9.14	-10.49
Petroleum	(t)	3 801 000	3 635 000	3 577 000	3 568 000	3 457 000	-9.05	-3.11
Uranium	(t)	59	0	0	0	0	-100.00	.
Total	(t)	37 788 715	41 319 094	38 931 284	36 450 293	28 075 878		

Russia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	61 360 000	62 186 000	64 192 000	65 726 000	65 372 000	6.54	-0.54
Chromium	(t)	162 800	170 800	177 500	175 000	187 000	14.86	6.86
Cobalt	(t)	8 600	8 900	8 700	9 400	9 700	12.79	3.19
Manganese	(t)		0	8 600	5 900	28 200	.	377.97
Molybdenum	(t)	3 359	3 227	2 262	1 989	1 707	-49.18	-14.18
Nickel	(t)	223 000	223 000	238 800	233 800	234 100	4.98	0.13
Niobium	(t)	628	648	669	659	617	-1.75	-6.37
Tantalum	(t)	49	45	44	32	60	22.45	87.50
Titanium	(t)	18 880	2 900	3 000	3 100	3 000	-84.11	-3.23
Tungsten	(t)	2 707	2 144	2 234	2 433	2 274	-16.00	-6.54
Vanadium	(t)	16 886	18 636	17 052	18 380	19 533	15.68	6.27
Aluminium	(t)	3 561 000	3 583 000	3 774 000	3 894 400	3 929 200	10.34	0.89
Antimony	(t)	6 620	6 120	30 828	21 671	17 532	164.83	-19.10
Arsenic	(t)	1 500	1 000	500	102	100	-93.33	-1.96
Bauxite	(t)	6 095 000	5 845 000	7 057 000	6 641 000	6 647 000	9.06	0.09
Bismuth	(t)	30	30	15	46	45	50.00	-2.17
Cadmium	(t)	1 100	1 176	1 201	1 000	1 000	-9.09	0.00
Copper	(t)	702 300	761 100	870 500	812 400	924 100	31.58	13.75
Gallium	(t)	4	5	6	8	5	25.00	-37.50
Germanium	(t)	6	6	6	5	5	-16.67	0.00
Indium	(t)	5	5	4	6	10	100.00	66.67
Lead	(t)	204 300	204 700	206 100	207 900	200 700	-1.76	-3.46
Mercury	(t)	50	50	50	50	30	-40.00	-40.00
Rare Earths	(t)	3 063	2 500	2 596	2 620	2 663	-13.06	1.64
Rhenium	(kg)	1 500	1 500	1 000	1 000	2 000	33.33	100.00
Selenium	(t)	197	194	185	193	195	-1.02	1.04

Abbreviations: see Definitions

Tellurium	(t)	40	44	35	38	40	0.00	5.26
Tin	(t)	627	1 011	1 531	2 471	2 559	308.13	3.56
Zinc	(t)	245 800	255 200	288 000	275 400	260 700	6.06	-5.34
Gold	(kg)	253 580	270 300	279 850	305 050	308 560	21.68	1.15
Palladium	(kg)	86 500	76 270	92 570	92 900	81 990	-5.21	-11.74
Platinum	(kg)	22 300	22 400	21 370	22 420	21 740	-2.51	-3.03
Rhodium	(kg)	2 644	2 426	2 146	2 115	1 800	-31.92	-14.89
Silver	(kg)	1 493 000	1 373 000	1 400 100	1 407 000	1 380 000	-7.57	-1.92
Asbestos	(t)	713 675	710 250	752 917	789 600	750 000	5.09	-5.02
Baryte	(t)	434 000	221 000	265 300	163 000	265 000	-38.94	62.58
Bentonite	(t)	589 600	669 700	714 000	720 000	720 000	22.12	0.00
Boron	(t)	78 800	82 500	88 000	81 800	85 500	8.50	4.52
Diam. (Gem)	(ct)	24 431 760	21 860 500	22 973 133	25 804 591	18 711 931	-23.41	-27.49
Diam. (Ind)	(ct)	16 287 840	20 754 280	20 187 926	19 466 621	12 474 620	-23.41	-35.92
Diatomite	(t)	47 300	52 000	50 600	51 000	51 000	7.82	0.00
Feldspar	(t)	278 100	293 300	281 300	281 300	290 000	4.28	3.09
Fluorspar	(t)	3 000	2 700	6 000	4 000	32 000	966.67	700.00
Graphite	(t)	12 400	19 500	11 900	17 500	12 900	4.03	-26.29
Gypsum	(t)	4 200 000	3 750 000	5 453 400	4 179 300	4 200 000	0.00	0.50
Kaolin	(t)	1 064 800	1 593 000	1 485 900	1 530 800	1 530 000	43.69	-0.05
Magnesite	(t)	1 188 900	1 397 000	1 571 400	1 013 800	1 281 400	7.78	26.40
Perlite	(t)	45 000	45 000	45 000	45 000	45 000	0.00	0.00
Phosphates	(t)	4 797 000	5 148 000	5 304 000	5 382 000	5 382 000	12.20	0.00
Potash	(t)	6 480 000	7 300 000	7 055 000	7 368 000	8 167 300	26.04	10.85
Salt	(t)	6 687 000	7 073 000	6 710 000	8 175 000	6 026 000	-9.88	-26.29
Sulfur	(t)	6 960 000	7 000 000	7 170 000	7 175 000	6 850 000	-1.58	-4.53
Talc	(t)	20 000	20 000	12 500	48 000	104 000	420.00	116.67
Vermiculite	(t)	20 000	14 400	25 904	29 237	28 442	42.21	-2.72
Zircon	(t)	7 704	7 324	7 400	6 300	6 000	-22.12	-4.76
Steam Coal	(t)	223 626 100	253 700 000	271 200 000	266 700 000	241 300 000	7.90	-9.52
Coking Coal	(t)	88 600 000	85 300 000	89 800 000	93 900 000	88 200 000	-0.45	-6.07
Lignite	(t)	71 600 000	72 200 000	78 300 000	80 800 000	72 600 000	1.40	-10.15
Nat. Gas (Mio m ³)		606 300	680 800	711 500	718 960	680 100	12.17	-5.41
Petroleum	(t)	547 306 140	546 742 200	555 833 900	560 256 690	512 761 000	-6.31	-8.48
Uranium	(t)	3 543	3 440	3 424	3 433	3 356	-5.28	-2.24
Total	(t)	1 522 423 481	1 611 263 510	1 678 233 069	1 691 926 602	1 572 616 776		

Russia, Asia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	14 726 400	15 546 500	17 331 800	18 403 300	18 957 900	28.73	3.01
Cobalt	(t)	3 540	2 620	2 940	2 720	2 560	-27.68	-5.88
Molybdenum	(t)	3 359	3 227	2 262	1 989	1 707	-49.18	-14.18
Nickel	(t)	91 760	65 600	80 800	67 540	61 740	-32.72	-8.59
Tungsten	(t)	2 707	2 144	2 234	2 433	2 274	-16.00	-6.54
Aluminium	(t)	3 480 000	3 486 000	3 632 000	3 752 900	3 789 300	8.89	0.97
Antimony	(t)	6 620	6 120	30 828	21 671	17 532	164.83	-19.10
Arsenic	(t)	1 500	1 000	500	102	100	-93.33	-1.96
Bismuth	(t)	30	30	15	46	45	50.00	-2.17
Cadmium	(t)	1 100	1 176	1 201	1 000	1 000	-9.09	0.00
Copper	(t)	491 610	608 880	696 400	649 920	739 280	50.38	13.75
Germanium	(t)	6	6	6	5	5	-16.67	0.00
Indium	(t)	5	5	4	6	10	100.00	66.67

Abbreviations: see Definitions

Lead	(t)	204 300	204 700	206 100	207 900	200 700	-1.76	-3.46
Mercury	(t)	50	50	50	50	30	-40.00	-40.00
Selenium	(t)	197	194	185	193	195	-1.02	1.04
Tellurium	(t)	40	44	35	38	40	0.00	5.26
Tin	(t)	627	1 011	1 531	2 471	2 559	308.13	3.56
Zinc	(t)	245 800	255 200	250 560	242 350	221 600	-9.85	-8.56
Gold	(kg)	235 830	251 380	274 450	300 750	301 660	27.91	0.30
Palladium	(kg)	60 030	22 240	40 190	36 110	31 290	-47.88	-13.35
Platinum	(kg)	16 920	10 430	9 490	8 770	9 610	-43.20	9.58
Rhodium	(kg)	2 644	2 426	2 146	2 115	1 800	-31.92	-14.89
Silver	(kg)	1 493 000	1 373 000	1 331 600	1 354 200	1 297 800	-13.07	-4.16
Asbestos	(t)	310 000	293 330	314 217	315 300	300 000	-3.23	-4.85
Baryte	(t)	434 000	221 000	265 300	163 000	265 000	-38.94	62.58
Bentonite	(t)	416 500	468 800	499 800	492 900	500 000	20.05	1.44
Boron	(t)	78 800	82 500	88 000	81 800	85 500	8.50	4.52
Diam. (Gem)	(ct)	21 085 560	18 966 170	17 624 988	19 525 587	16 339 353	-22.51	-16.32
Diam. (Ind)	(ct)	14 057 040	18 006 413	15 488 177	14 729 829	10 892 902	-22.51	-26.05
Feldspar	(t)	270 000	288 900	275 700	281 300	290 000	7.41	3.09
Fluorspar	(t)	3 000	2 700	6 000	4 000	32 000	966.67	700.00
Graphite	(t)	12 400	19 500	11 900	17 500	12 900	4.03	-26.29
Talc	(t)	20 000	20 000	12 500	38 000	42 000	110.00	10.53
Steam Coal	(t)	223 626 100	253 700 000	271 200 000	266 700 000	241 300 000	7.90	-9.52
Coking Coal	(t)	88 600 000	85 300 000	89 800 000	93 900 000	88 200 000	-0.45	-6.07
Lignite	(t)	64 440 000	64 980 000	70 470 000	72 720 000	65 340 000	1.40	-10.15
Nat. Gas (Mio m ³)		575 985	646 760	675 920	683 010	646 100	12.17	-5.40
Petroleum	(t)	361 222 050	360 849 850	389 083 730	448 205 350	410 208 800	13.56	-8.48
Uranium	(t)	3 543	3 440	3 424	3 433	3 356	-5.28	-2.24
Total	(t)	1 219 485 860	1 303 824 193	1 385 007 686	1 452 688 926	1 347 459 781		

Russia, Europe

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	46 633 600	46 639 500	46 860 200	47 322 700	46 414 100	-0.47	-1.92
Chromium	(t)	162 800	170 800	177 500	175 000	187 000	14.86	6.86
Cobalt	(t)	5 060	6 280	5 760	6 680	7 140	41.11	6.89
Manganese	(t)		0	8 600	5 900	28 200	.	377.97
Nickel	(t)	131 240	157 400	158 000	166 260	172 360	31.33	3.67
Niobium	(t)	628	648	669	659	617	-1.75	-6.37
Tantalum	(t)	49	45	44	32	60	22.45	87.50
Titanium	(t)	18 880	2 900	3 000	3 100	3 000	-84.11	-3.23
Vanadium	(t)	16 886	18 636	17 052	18 380	19 533	15.68	6.27
Aluminium	(t)	81 000	97 000	142 000	141 500	139 900	72.72	-1.13
Bauxite	(t)	6 095 000	5 845 000	7 057 000	6 641 000	6 647 000	9.06	0.09
Copper	(t)	210 690	152 220	174 100	162 480	184 820	-12.28	13.75
Gallium	(t)	4	5	6	8	5	25.00	-37.50
Rare Earths	(t)	3 063	2 500	2 596	2 620	2 663	-13.06	1.64
Rhenium	(kg)	1 500	1 500	1 000	1 000	2 000	33.33	100.00
Zinc	(t)		0	37 440	33 050	39 100	.	18.31
Gold	(kg)	17 750	18 920	5 400	4 300	6 900	-61.13	60.47
Palladium	(kg)	26 470	54 030	52 380	56 790	50 700	91.54	-10.72
Platinum	(kg)	5 380	11 970	11 880	13 650	12 130	125.46	-11.14
Silver	(kg)		0	68 500	52 800	82 200	.	55.68

Abbreviations: see Definitions

Asbestos	(t)	403 675	416 920	438 700	474 300	450 000	11.48	-5.12
Bentonite	(t)	173 100	200 900	214 200	227 100	220 000	27.09	-3.13
Diam. (Gem)	(ct)	3 346 200	2 894 330	5 348 145	6 279 004	2 372 578	-29.10	-62.21
Diam. (Ind)	(ct)	2 230 800	2 747 867	4 699 749	4 736 792	1 581 718	-29.10	-66.61
Diatomite	(t)	47 300	52 000	50 600	51 000	51 000	7.82	0.00
Feldspar	(t)	8 100	4 400	5 600	0	0	-100.00	.
Gypsum	(t)	4 200 000	3 750 000	5 453 400	4 179 300	4 200 000	0.00	0.50
Kaolin	(t)	1 064 800	1 593 000	1 485 900	1 530 800	1 530 000	43.69	-0.05
Magnesite	(t)	1 188 900	1 397 000	1 571 400	1 013 800	1 281 400	7.78	26.40
Perlite	(t)	45 000	45 000	45 000	45 000	45 000	0.00	0.00
Phosphates	(t)	4 797 000	5 148 000	5 304 000	5 382 000	5 382 000	12.20	0.00
Potash	(t)	6 480 000	7 300 000	7 055 000	7 368 000	8 167 300	26.04	10.85
Salt	(t)	6 687 000	7 073 000	6 710 000	8 175 000	6 026 000	-9.88	-26.29
Sulfur	(t)	6 960 000	7 000 000	7 170 000	7 175 000	6 850 000	-1.58	-4.53
Talc	(t)			0	10 000	62 000	.	520.00
Vermiculite	(t)	20 000	14 400	25 904	29 237	28 442	42.21	-2.72
Zircon	(t)	7 704	7 324	7 400	6 300	6 000	-22.12	-4.76
Lignite	(t)	7 160 000	7 220 000	7 830 000	8 080 000	7 260 000	1.40	-10.15
Nat. Gas (Mio m ³)		30 315	34 040	35 580	35 950	34 000	12.16	-5.42
Petroleum	(t)	186 084 090	185 892 350	166 750 170	112 051 340	102 552 200	-44.89	-8.48
Total	(t)	302 937 621	307 439 317	293 225 381	239 237 677	225 156 995		

Rwanda

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Niobium	(t)	190	260	245	205	160	-15.79	-21.95
Tantalum	(t)	290	395	380	315	240	-17.24	-23.81
Tungsten	(t)	1 020	905	1 155	1 120	1 075	5.39	-4.02
Beryllium	(t)	30	30	30	20	20	-33.33	0.00
Tin	(t)	2 560	3 430	3 405	2 780	2 030	-20.70	-26.98
Gold	(kg)	1 980	2 000	2 163	2 000	2 000	1.01	0.00
Total	(t)	4 092	5 022	5 217	4 442	3 527		

Saudi Arabia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	254 200	266 800	280 100	294 100	300 000	18.02	2.01
Aluminium	(t)	756 840	762 068	775 500	775 561	796 004	5.17	2.64
Bauxite	(t)	4 768 000	4 125 000	4 906 000	5 127 000	5 243 000	9.96	2.26
Copper	(t)	27 840	43 150	59 200	68 580	79 060	183.98	15.28
Zinc	(t)	4 230	21 787	27 100	31 870	33 500	691.96	5.11
Gold	(kg)	7 010	10 465	13 397	12 418	13 222	88.62	6.47
Silver	(kg)	4 710	5 133	6 480	7 123	7 479	58.79	5.00
Feldspar	(t)	188 000	197 000	175 594	216 000	216 000	14.89	0.00
Gypsum	(t)	3 000 000	3 150 000	3 352 832	3 472 000	3 500 000	16.67	0.81
Kaolin	(t)	196 000	206 000	207 461	227 000	215 000	9.69	-5.29

Abbreviations: see Definitions

Magnesite	(t)	100 000	104 132	155 000	200 000	250 000	150.00	25.00
Phosphates	(t)	1 620 000	1 701 000	1 827 000	1 860 000	2 300 000	41.98	23.66
Salt	(t)	2 400 000	2 520 000	2 646 000	2 778 000	2 800 000	16.67	0.79
Sulfur	(t)	5 969 900	6 564 200	6 600 000	6 600 000	6 600 000	10.55	0.00
Talc	(t)	42 000	44 000	46 000	48 000	48 000	14.29	0.00
Nat. Gas	(Mio m ³)	110 860	115 000	118 000	117 000	119 000	7.34	1.71
Petroleum	(t)	586 712 210	559 319 390	576 817 650	556 564 010	519 613 000	-11.44	-6.64
Total	(t)	694 727 232	671 024 542	692 275 456	671 862 140	637 193 584		

Senegal

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Manganese	(t)	600	1 520	3 330	1 880	6 580	996.67	250.00
Titanium	(t)	238 120	280 320	287 940	281 030	291 740	22.52	3.81
Gold	(kg)	6 741	7 255	12 508	14 550	12 408	84.07	-14.72
Silver	(kg)	640	660	940	898	1 090	70.31	21.38
Phosphates	(t)	886 500	841 020	775 410	855 850	684 300	-22.81	-20.04
Salt	(t)	263 218	265 040	245 700	286 100	290 873	10.51	1.67
Zircon	(t)	52 627	81 749	93 569	80 747	83 257	58.20	3.11
Nat. Gas	(Mio m ³)	21	18	11	15	14	-33.33	-6.67
Petroleum	(t)	3 320	12 960	20 300	28 500	25 280	661.45	-11.30
Total	(t)	1 461 193	1 497 017	1 435 063	1 546 123	1 393 243		

Serbia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Copper	(t)	34 625	45 115	44 096	43 550	52 207	50.78	19.88
Lead	(t)	7 080	8 790	9 110	9 970	8 420	18.93	-15.55
Selenium	(t)	18	27	28	20	10	-44.44	-50.00
Zinc	(t)	6 900	7 400	8 230	7 510	11 480	66.38	52.86
Gold	(kg)	805	1 199	839	1 452	1 550	92.55	6.75
Palladium	(kg)	23	50	55	100	100	334.78	0.00
Platinum	(kg)	3	3	6	10	22	633.33	120.00
Silver	(kg)	11 345	12 340	8 970	14 502	15 900	40.15	9.64
Kaolin	(t)	110 000	280 276	279 000	254 000	255 000	131.82	0.39
Salt	(t)	9 149	8 197	7 811	13 464	6 703	-26.74	-50.22
Lignite	(t)	38 440 527	39 805 959	37 648 957	38 880 520	39 673 059	3.21	2.04
Nat. Gas	(Mio m ³)	523	489	450	439	409	-21.80	-6.83
Petroleum	(t)	963 532	924 351	910 712	881 000	859 226	-10.83	-2.47
Total	(t)	39 990 243	41 471 328	39 267 954	40 441 250	41 193 323		

Abbreviations: see Definitions

Sierra Leone

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	3 814 410	3 194 930	0	0	0	-100.00	.
Titanium	(t)	156 570	190 480	145 400	165 180	135 930	-13.18	-17.71
Bauxite	(t)	1 368 531	1 787 716	1 938 461	1 883 863	1 342 139	-1.93	-28.76
Gold	(kg)	188	142	464	75	25	-86.70	-66.67
Diam. (Gem)	(ct)	417 952	165 860	402 530	433 054	483 232	15.62	11.59
Diam. (Ind)	(ct)	131 550	122 380	339 070	391 403	202 800	54.16	-48.19
Zircon	(t)	1 329	3 000	11 400	8 500	4 564	243.42	-46.31
Total	(t)	5 340 840	5 176 126	2 095 261	2 057 543	1 482 633		

Slovakia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	173 643	173 492	173 721	174 794	151 875	-12.54	-13.11
Copper	(t)	39	32	21	17	20	-48.72	17.65
Lead	(t)	133	147	114	111	102	-23.31	-8.11
Zinc	(t)	126	166	151	119	96	-23.81	-19.33
Gold	(kg)	466	447	515	346	336	-27.90	-2.89
Silver	(kg)	391	410	345	295	269	-31.20	-8.81
Baryte	(t)	23 000	15 700	11 100	0	0	-100.00	.
Bentonite	(t)	173 530	226 425	269 990	260 120	261 640	50.78	0.58
Feldspar	(t)	8 400	15 800	16 800	19 100	29 100	246.43	52.36
Gypsum	(t)	52 300	45 600	55 190	58 250	72 300	38.24	24.12
Kaolin	(t)	11 923	21 400	34 400	24 970	30 960	159.67	23.99
Magnesite	(t)	683 400	975 100	1 053 900	1 015 800	787 476	15.23	-22.48
Perlite	(t)	19 000	48 010	35 600	32 450	37 850	99.21	16.64
Talc	(t)	800	14 000	43 000	70 100	91 600	11 350.00	30.67
Lignite	(t)	1 956 510	1 860 710	1 506 940	1 474 830	986 270	-49.59	-33.13
Nat. Gas	(Mio m ³)	93	90	90	80	70	-24.73	-12.50
Petroleum	(t)	9 490	8 160	7 522	6 331	3 790	-60.06	-40.14
Total	(t)	3 186 694	3 476 742	3 280 450	3 200 992	2 509 079		

Slovenia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	84 365	84 424	80 511	68 255	50 185	-40.51	-26.47
Bentonite	(t)	182	147	113	99	77	-57.69	-22.22
Salt	(t)	2 417	2 335	2 018	1 437	805	-66.69	-43.98

Abbreviations: see Definitions

Lignite	(t)	3 348 889	3 355 664	3 216 735	3 218 696	3 259 309	-2.67	1.26
Nat. Gas	(Mio m ³)	5	9	18	8	6	20.00	-25.00
Petroleum	(t)	379	481	769	490	385	1.58	-21.43
Total	(t)	3 440 232	3 450 251	3 314 546	3 295 377	3 315 561		

Solomon Islands

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bauxite	(t)	234 500	1 523 900	1 646 200	1 234 030	841 890	259.01	-31.78
Total	(t)	234 500	1 523 900	1 646 200	1 234 030	841 890		

South Africa

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	43 196 310	48 808 920	48 277 430	47 064 410	36 266 950	-16.04	-22.94
Chromium	(t)	6 254 600	7 073 400	7 524 700	7 384 000	5 442 500	-12.98	-26.29
Cobalt	(t)	1 101	1 065	1 007	1 027	897	-18.53	-12.66
Manganese	(t)	4 028 100	5 501 400	5 641 200	6 456 400	5 983 000	48.53	-7.33
Nickel	(t)	48 994	48 463	43 236	43 443	34 908	-28.75	-19.65
Titanium	(t)	950 000	1 090 000	1 000 000	970 000	950 000	0.00	-2.06
Vanadium	(t)	15 877	7 958	7 691	8 062	8 584	-45.93	6.47
Aluminium	(t)	701 000	716 000	714 000	717 000	717 000	2.28	0.00
Antimony	(t)	350	0	0	0	0	-100.00	.
Copper	(t)	65 257	65 532	46 900	52 501	29 068	-55.46	-44.63
Lead	(t)	39 344	48 150	35 118	42 936	28 048	-28.71	-34.67
Zinc	(t)	26 695	30 778	28 129	125 157	160 816	502.42	28.49
Gold	(kg)	142 202	137 290	117 144	105 185	95 887	-32.57	-8.84
Palladium	(kg)	76 273	80 713	80 629	80 684	66 264	-13.12	-17.87
Platinum	(kg)	133 241	132 500	137 053	132 989	111 993	-15.95	-15.79
Rhodium	(kg)	19 237	18 665	18 608	19 545	16 972	-11.77	-13.16
Silver	(kg)	55 622	62 536	46 467	55 903	38 148	-31.42	-31.76
Bentonite	(t)	148 742	165 141	173 486	105 084	85 688	-42.39	-18.46
Diam. (Gem)	(ct)	3 322 220	3 877 040	3 964 730	2 872 280	3 399 300	2.32	18.35
Diam. (Ind)	(ct)	4 983 330	5 815 560	5 947 100	4 308 420	5 098 950	2.32	18.35
Feldspar	(t)	127 872	116 705	76 803	76 255	48 427	-62.13	-36.49
Fluorspar	(t)	177 000	218 399	230 000	210 000	210 000	18.64	0.00
Gypsum	(t)	262 457	320 685	321 988	277 102	205 542	-21.69	-25.82
Kaolin	(t)	21 141	31 186	23 724	27 827	20 639	-2.37	-25.83
Magnesite	(t)	8 800	8 700	8 500	8 500	8 500	-3.41	0.00
Perlite	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Phosphates	(t)	593 800	727 800	720 400	639 000	530 800	-10.61	-16.93
Salt	(t)	473 339	492 860	478 285	510 012	533 099	12.63	4.53
Sulfur	(t)	280 830	256 700	239 297	919 624	575 491	104.93	-37.42
Talc	(t)	23 576	58 776	102 142	135 430	92 318	291.58	-31.83
Vermiculite	(t)	166 483	166 084	141 346	158 013	118 223	-28.99	-25.18
Zircon	(t)	377 430	361 813	303 610	320 000	311 800	-17.39	-2.56

Abbreviations: see Definitions

Steam Coal	(t)	251 567 000	253 096 500	251 706 073	254 735 300	243 427 200	-3.24	-4.44
Coking Coal	(t)	4 247 000	4 028 275	3 714 957	3 118 162	3 080 744	-27.46	-1.20
Nat. Gas	(Mio m ³)	807	737	615	658	554	-31.35	-15.81
Petroleum	(t)	38 796	31 145	23 770	29 774	31 974	-17.58	7.39
Uranium	(t)	450	304	231	163	131	-70.89	-19.63
Total	(t)	314 489 372	324 063 774	322 077 425	324 662 979	299 346 878		

South Sudan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Petroleum	(t)	6 751 570	7 250 770	7 107 700	8 448 490	8 372 600	24.01	-0.90
Total	(t)	6 751 570	7 250 770	7 107 700	8 448 490	8 372 600		

Spain

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Tungsten	(t)	699	564	856	414	400	-42.78	-3.38
Aluminium	(t)	360 000	360 000	350 000	230 000	200 000	-44.44	-13.04
Copper	(t)	172 522	198 353	187 714	170 556	190 300	10.30	11.58
Lead	(t)	4 946	3 268	9 936	11 390	11 650	135.54	2.28
Tin	(t)	7	24	81	101	96	1 271.43	-4.95
Zinc	(t)	76 342	70 451	106 352	90 980	90 400	18.41	-0.64
Gold	(kg)	1 291	1 825	1 991	1 913	1 609	24.63	-15.89
Silver	(kg)	74 740	82 907	88 514	77 501	78 300	4.76	1.03
Bentonite	(t)	155 038	177 565	178 463	160 477	221 495	42.86	38.02
Diatomite	(t)	48 231	70 550	61 056	62 741	63 000	30.62	0.41
Feldspar	(t)	634 519	819 218	616 229	855 139	855 000	34.75	-0.02
Fluorspar	(t)	130 131	154 931	176 188	145 185	145 000	11.43	-0.13
Gypsum	(t)	8 936 364	9 545 228	10 593 056	11 279 443	13 544 458	51.57	20.08
Kaolin	(t)	347 258	475 074	474 462	463 617	278 843	-19.70	-39.85
Magnesite	(t)	583 698	788 991	738 994	634 580	635 000	8.79	0.07
Potash	(t)	672 246	557 468	635 490	547 100	455 000	-32.32	-16.83
Salt	(t)	4 453 041	4 135 626	4 512 243	4 330 514	4 460 823	0.17	3.01
Sulfur	(t)	646 600	633 000	662 000	663 100	584 300	-9.64	-11.88
Talc	(t)	0	11 500	15 500	13 100	13 000	.	-0.76
Steam Coal	(t)	1 101 907	1 161 748	645 612	0	0	-100.00	.
Lignite	(t)	730 470	1 833 357	1 727 513	0	0	-100.00	.
Nat. Gas	(Mio m ³)	52	34	90	135	54	3.85	-60.00
Petroleum	(t)	139 176	118 809	89 476	40 244	27 537	-80.21	-31.57
Total	(t)	19 234 871	21 143 010	21 853 312	19 806 761	21 819 582		

Abbreviations: see Definitions

Sri Lanka

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Titanium	(t)	16 510	30 630	35 670	25 940	11 150	-32.47	-57.02
Feldspar	(t)	96 000	96 000	70 000	65 400	50 000	-47.92	-23.55
Graphite	(t)	3 860	3 800	3 800	3 100	2 500	-35.23	-19.35
Kaolin	(t)	13 000	13 000	20 000	34 100	30 000	130.77	-12.02
Phosphates	(t)	13 600	14 850	16 290	16 600	18 240	34.12	9.88
Salt	(t)	106 034	74 108	68 834	57 291	60 076	-43.34	4.86
Zircon	(t)	7 749	8 569	785	971	419	-94.59	-56.85
Total	(t)	256 753	240 957	215 379	203 402	172 385		

Sudan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	1 850	15 360	12 960	5 950	4 300	132.43	-27.73
Manganese	(t)	3 920	4 000	4 000	1 000	0	-100.00	-100.00
Gold	(kg)	93 000	107 300	93 600	57 700	35 700	-61.61	-38.13
Silver	(kg)	1 000	2 000	1 000	1 000	1 000	0.00	0.00
Feldspar	(t)	49 000	29 000	36 000	17 000	25 000	-48.98	47.06
Gypsum	(t)	349 236	333 000	226 000	193 000	173 000	-50.46	-10.36
Kaolin	(t)	6 500	5 446	11 000	29 000	19 700	203.08	-32.07
Salt	(t)	223 397	235 000	267 000	263 000	237 000	6.09	-9.89
Talc	(t)	4 250	4 000	4 000	2 000	0	-100.00	-100.00
Petroleum	(t)	4 733 100	4 119 300	3 560 000	3 778 300	3 764 600	-20.46	-0.36
Total	(t)	5 371 347	4 745 215	4 121 055	4 289 309	4 223 637		

Suriname

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	12 926	25 844	26 006	24 516	21 214	64.12	-13.47
Petroleum	(t)	815 700	811 600	818 400	825 200	818 400	0.33	-0.82
Total	(t)	815 713	811 626	818 426	825 225	818 421		

Sweden

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	18 206 400	18 741 000	18 405 000	19 367 200	20 112 200	10.47	3.85
Aluminium	(t)	124 000	123 000	125 000	120 000	117 000	-5.65	-2.50
Copper	(t)	79 247	104 594	106 140	99 332	100 065	26.27	0.74

Abbreviations: see Definitions

Lead	(t)	75 830	71 112	64 751	68 635	65 402	-13.75	-4.71
Selenium	(t)	64	66	59	53	50	-21.88	-5.66
Tellurium	(t)	39	35	45	41	42	7.69	2.44
Zinc	(t)	258 264	251 244	237 715	247 657	234 811	-9.08	-5.19
Gold	(kg)	6 463	7 858	7 866	7 972	8 249	27.63	3.47
Silver	(kg)	498 686	467 500	443 624	419 926	400 929	-19.60	-4.52
Feldspar	(t)	22 000	22 000	28 000	25 000	20 000	-9.09	-20.00
Sulfur	(t)	393 900	390 620	416 560	347 990	345 630	-12.25	-0.68
Total	(t)	19 160 249	19 704 147	19 383 722	20 276 336	20 995 609		

Switzerland

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	340 000	330 000	330 000	330 000	330 000	-2.94	0.00
Salt	(t)	447 216	448 509	530 414	477 325	324 527	-27.43	-32.01
Total	(t)	787 216	778 509	860 414	807 325	654 527		

Syria

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	101 000	66 000	66 000	70 000	70 000	-30.69	0.00
Phosphates	(t)	0	38 700	95 000	134 000	580 000	.	332.84
Salt	(t)	5 000	5 000	12 000	50 000	70 000	1 300.00	40.00
Nat. Gas	(Mio m ³)	3 530	3 490	3 470	3 330	2 740	-22.38	-17.72
Petroleum	(t)	1 101 250	1 078 300	1 051 030	1 510 590	1 964 180	78.36	30.03
Total	(t)	4 031 250	3 980 000	4 000 030	4 428 590	4 876 180		

Taiwan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	0	4	4	6	3	.	-50.00
Kaolin	(t)	4 035	1 665	20	500	404	-89.99	-19.20
Salt	(t)	77 300	77 054	78 539	76 255	77 854	0.72	2.10
Sulfur	(t)	163 768	173 963	169 698	195 358	167 337	2.18	-14.34
Talc	(t)	250	0	17	6	0	-100.00	-100.00
Nat. Gas	(Mio m ³)	321	266	198	167	105	-67.29	-37.13
Petroleum	(t)	7 200	4 600	4 000	3 300	1 860	-74.17	-43.64
Total	(t)	509 353	470 082	410 674	409 019	331 455		

Abbreviations: see Definitions

Tajikistan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	129 291	103 147	95 800	100 800	84 000	-35.03	-16.67
Antimony	(t)	26 970	26 370	28 890	29 900	32 000	18.65	7.02
Copper	(t)	2 050	6 060	8 490	8 500	1 000	-51.22	-88.24
Lead	(t)	57 360	61 090	52 990	65 570	41 630	-27.42	-36.51
Mercury	(t)	120	100	120	80	160	33.33	100.00
Zinc	(t)	73 850	92 940	84 330	90 860	54 720	-25.90	-39.78
Gold	(kg)	5 040	5 500	6 432	8 100	8 764	73.89	8.20
Silver	(kg)	3 200	6 550	9 500	11 100	11 350	254.69	2.25
Fluorspar	(t)		0	400	1 000	10 000	.	900.00
Gypsum	(t)	8 750	43 066	9 639	14 000	14 000	60.00	0.00
Salt	(t)	35 238	41 323	36 964	35 324	26 637	-24.41	-24.59
Steam Coal	(t)	1 361 575	1 760 090	1 907 055	2 027 790	2 023 000	48.58	-0.24
Nat. Gas (Mio m ³)		3	2	1	1	1	-66.67	0.00
Petroleum	(t)	25 134	23 482	23 939	23 293	24 400	-2.92	4.75
Total	(t)	1 722 746	2 159 281	2 249 433	2 397 936	2 312 367		

Tanzania

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)				0	14 200	.	.
Bauxite	(t)	73	12	7	0	25 995	35 509.59	.
Copper	(t)	17 400	15 800	10 000	14 187	11 700	-32.76	-17.53
Tin	(t)	104	68	6	18	35	-66.35	94.44
Gold	(kg)	45 778	43 490	39 304	48 408	55 805	21.90	15.28
Silver	(kg)	17 984	10 911	12 041	12 550	13 187	-26.67	5.08
Diam. (Gem)	(ct)	203 915	258 785	324 105	354 240	125 110	-38.65	-64.68
Diam. (Ind)	(ct)	35 985	45 670	57 195	62 510	22 080	-38.64	-64.68
Gypsum	(t)	213 744	123 645	241 260	256 529	443 926	107.69	73.05
Kaolin	(t)	656	13 816	129 383	15 343	98 454	14 908.23	541.69
Phosphates	(t)	5 200	300	650	5 050	6 240	20.00	23.56
Salt	(t)	178 200	124 500	36 600	99 510	83 974	-52.88	-15.61
Steam Coal	(t)	276 030	558 553	627 652	712 136	689 959	149.96	-3.11
Nat. Gas (Mio m ³)		1 368	1 344	1 675	1 807	1 616	18.13	-10.57
Total	(t)	1 785 871	1 911 948	2 385 609	2 548 434	2 667 352		

Thailand

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	0	85	0	10 950	70 210	.	541.19
Manganese	(t)	4 390	3 850	1 920	2 305	670	-84.74	-70.93

Abbreviations: see Definitions

Titanium	(t)	0	4	23	64	84	.	31.25
Tungsten	(t)	29	43	65	22	57	96.55	159.09
Antimony	(t)	32	0	0	0	0	-100.00	.
Tin	(t)	58	341	47	46	198	241.38	330.43
Zinc	(t)	35 130	1 580	0	0	0	-100.00	.
Gold	(kg)	4 293	0	0	0	0	-100.00	.
Silver	(kg)	35 954	0	0	0	0	-100.00	.
Baryte	(t)	223 101	147 954	67 490	33 644	22 394	-89.96	-33.44
Feldspar	(t)	1 167 147	1 385 925	1 117 803	1 251 143	1 105 344	-5.30	-11.65
Fluorspar	(t)	20 100	5 500	16 700	22 247	9 807	-51.21	-55.92
Gypsum	(t)	11 746 811	10 646 644	11 197 657	9 787 287	9 291 159	-20.90	-5.07
Kaolin	(t)	101 618	103 079	110 437	92 414	87 250	-14.14	-5.59
Perlite	(t)	15 690	5 800	5 600	15 000	3 500	-77.69	-76.67
Phosphates	(t)	0	2 400	0	0	0	.	.
Salt	(t)	1 390 548	1 497 223	1 487 364	1 580 390	1 439 877	3.55	-8.89
Talc	(t)	103 926	61 436	58 676	14 564	38 146	-63.30	161.92
Lignite	(t)	16 978 601	16 258 637	14 851 950	14 077 965	13 250 574	-21.96	-5.88
Nat. Gas (Mio m ³)		39 037	37 417	36 454	37 450	33 805	-13.40	-9.73
Petroleum	(t)	12 858 430	11 939 770	11 361 670	11 362 210	10 077 510	-21.63	-11.31
Total	(t)	75 875 251	71 993 871	69 440 602	68 210 251	62 440 780		

Togo

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gold	(kg)	14 470	19 960	10 000	2 000	2 000	-86.18	0.00
Diam. (Ind)	(ct)	0	0	0	16	0	.	-100.00
Phosphates	(t)	306 600	266 260	370 810	260 320	488 900	59.46	87.81
Total	(t)	306 614	266 280	370 820	260 322	488 902		

Trinidad and Tobago

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Nat. Gas (Mio m ³)		32 100	32 845	35 005	35 545	30 230	-5.83	-14.95
Petroleum	(t)	4 593 210	4 655 220	4 122 240	3 869 080	3 600 510	-21.61	-6.94
Total	(t)	30 273 210	30 931 220	32 126 240	32 305 080	27 784 510		

Tunisia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	113 800	106 900	95 000	100 700	92 800	-18.45	-7.85
Baryte	(t)	10 000	10 000	10 000	10 000	10 000	0.00	0.00

Abbreviations: see Definitions

Gypsum	(t)	902 394	944 245	984 031	946 892	890 000	-1.37	-6.01
Phosphates	(t)	1 062 400	1 145 300	812 800	1 124 700	911 800	-14.18	-18.93
Salt	(t)	1 346 026	1 403 537	2 116 972	2 039 781	1 630 000	21.10	-20.09
Nat. Gas (Mio m ³)		2 236	2 094	1 950	1 780	1 850	-17.26	3.93
Petroleum	(t)	2 438 315	2 065 930	2 027 230	1 859 060	1 748 400	-28.29	-5.95
Total	(t)	7 661 735	7 351 112	7 606 033	7 505 133	6 763 000		

Turkey

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	4 353 700	6 095 400	9 546 700	8 828 800	13 087 300	200.60	48.23
Chromium	(t)	1 070 030	1 384 700	1 146 600	1 528 700	1 087 400	1.62	-28.87
Cobalt	(t)	100	220	259	115	250	150.00	117.39
Manganese	(t)	16 400	27 300	29 900	39 900	35 600	117.07	-10.78
Molybdenum	(t)	0	900	450	0	0	.	.
Nickel	(t)	9 340	14 770	13 560	4 740	20 200	116.27	326.16
Titanium	(t)	4 750	6 370	6 175	6 130	6 455	35.89	5.30
Aluminium	(t)	78 807	75 523	73 291	78 100	79 600	1.01	1.92
Antimony	(t)	2 750	4 840	3 570	3 815	2 570	-6.55	-32.63
Bauxite	(t)	989 156	1 719 144	678 138	2 255 480	2 399 680	142.60	6.39
Copper	(t)	107 300	85 200	87 000	73 300	107 000	-0.28	45.98
Lead	(t)	64 300	74 990	75 990	71 480	81 520	26.78	14.05
Zinc	(t)	118 700	155 900	184 500	146 800	136 300	14.83	-7.15
Gold	(kg)	24 030	23 090	27 100	39 000	42 100	75.20	7.95
Silver	(kg)	174 180	151 490	202 400	242 000	98 270	-43.58	-59.39
Baryte	(t)	321 239	292 447	465 138	413 811	283 161	-11.85	-31.57
Bentonite	(t)	1 744 912	1 481 617	1 331 955	1 533 547	1 658 837	-4.93	8.17
Boron	(t)	1 831 000	2 025 000	2 432 000	2 040 000	1 680 000	-8.25	-17.65
Diatomite	(t)	61 722	169 584	242 789	220 757	100 327	62.55	-54.55
Feldspar	(t)	9 475 819	10 273 573	11 474 040	9 447 810	10 050 911	6.07	6.38
Fluorspar	(t)	10 339	20 150	6 200	14 400	19 896	92.44	38.17
Graphite	(t)	0	4 000	16 752	9 990	15 205	.	52.20
Gypsum	(t)	10 124 221	10 223 112	10 896 476	7 489 129	9 280 864	-8.33	23.92
Kaolin	(t)	1 283 260	1 362 799	1 515 609	1 283 776	1 224 746	-4.56	-4.60
Magnesite	(t)	3 258 445	1 694 071	1 958 847	1 496 081	1 560 818	-52.10	4.33
Perlite	(t)	1 066 251	606 231	1 088 983	1 174 486	1 146 341	7.51	-2.40
Phosphates	(t)	231 800	0	0	94 600	261 900	12.99	176.85
Salt	(t)	5 328 256	6 673 242	6 298 705	6 961 015	7 698 018	44.48	10.59
Sulfur	(t)	78 000	92 500	250 000	242 600	117 400	50.51	-51.61
Talc	(t)	203 214	474 482	284 216	92 077	143 470	-29.40	55.82
Vermiculite	(t)	1 050	1 618	18 183	1 370	19 230	1 731.43	1 303.65
Zircon	(t)	500	1 200	1 950	0	0	-100.00	.
Steam Coal	(t)	2 070 000	1 875 000	2 160 520	2 695 628	2 608 900	26.03	-3.22
Coking Coal	(t)	695 000	764 000	692 130	698 870	601 000	-13.53	-14.00
Lignite	(t)	70 239 000	71 459 170	81 084 000	83 694 600	71 239 430	1.42	-14.88
Nat. Gas (Mio m ³)		382	364	436	483	458	19.90	-5.18
Petroleum	(t)	2 571 928	2 551 929	2 850 828	2 984 800	3 202 924	24.53	7.31
Total	(t)	117 717 087	121 982 356	137 264 483	136 013 388	130 323 793		

Abbreviations: see Definitions

Turkmenistan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Bentonite	(t)	10 000	10 000	10 000	10 000	10 000	0.00	0.00
Potash	(t)		0	15 200	11 100	16 000	.	44.14
Salt	(t)	100 000	100 000	100 000	100 000	94 600	-5.40	-5.40
Sulfur	(t)	400 000	200 000	480 000	330 000	470 000	17.50	42.42
Nat. Gas	(Mio m ³)	69 400	70 600	70 000	71 000	67 960	-2.07	-4.28
Petroleum	(t)	11 397 000	10 950 000	10 640 000	10 420 000	9 490 000	-16.73	-8.93
Total	(t)	67 427 000	67 740 000	67 245 200	67 671 100	64 448 600		

Uganda

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	1 280	1 390	2 700	0	0	-100.00	.
Niobium	(t)	4	3	2	2	52	1 200.00	2 500.00
Tungsten	(t)	41	62	188	144	11	-73.17	-92.36
Tin	(t)	62	66	53	15	0	-100.00	-100.00
Gold	(kg)	11	4	12	7	3 205	29 036.36	45 685.71
Kaolin	(t)	45 909	55 317	17 281	10 448	323	-99.30	-96.91
Vermiculite	(t)	3 295	4 119	10 413	9 674	14 170	330.05	46.48
Total	(t)	50 591	60 957	30 637	20 283	14 559		

Ukraine

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	40 240 600	38 767 600	38 751 300	47 584 000	49 274 000	22.45	3.55
Manganese	(t)	491 500	650 500	682 700	686 100	698 500	42.12	1.81
Titanium	(t)	339 800	430 300	518 950	564 050	537 430	58.16	-4.72
Gallium	(t)	9	9	6	5	4	-55.56	-20.00
Germanium	(t)	1	1	1	1	1	0.00	0.00
Bentonite	(t)	200 000	113 200	178 200	124 700	125 000	-37.50	0.24
Feldspar	(t)	33 627	35 000	50 000	60 000	50 000	48.69	-16.67
Graphite	(t)	12 000	13 000	15 000	10 000	10 000	-16.67	0.00
Gypsum	(t)	1 303 000	1 528 900	1 386 400	1 409 400	1 529 000	17.34	8.49
Kaolin	(t)	2 335 004	2 379 636	2 091 525	1 843 561	1 680 891	-28.01	-8.82
Salt	(t)	1 783 530	1 815 684	2 191 619	2 092 795	2 100 000	17.74	0.34
Sulfur	(t)	171 300	175 900	222 200	220 400	223 500	30.47	1.41
Zircon	(t)	29 280	27 239	21 614	18 000	16 000	-45.36	-11.11
Steam Coal	(t)	25 121 500	18 932 900	21 648 100	19 747 200	17 733 500	-29.41	-10.20
Coking Coal	(t)	6 508 800	5 233 900	4 606 300	5 783 200	6 434 800	-1.14	11.27
Nat. Gas	(Mio m ³)	20 052	20 510	20 806	20 520	20 171	0.59	-1.70

Abbreviations: see Definitions

Petroleum	(t)	2 272 100	2 169 900	2 293 300	2 453 600	2 429 700	6.94	-0.97
Uranium	(t)	1 185	986	1 390	944	877	-25.99	-7.10
Total	(t)	96 884 836	88 682 655	91 303 405	99 013 956	98 980 003		

United Arab Emirates

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Aluminium	(t)	2 471 000	2 600 000	2 640 000	2 579 000	2 505 000	1.38	-2.87
Sulfur	(t)	4 800 000	4 600 000	5 300 000	5 980 000	5 220 000	8.75	-12.71
Nat. Gas	(Mio m ³)	59 521	59 495	58 034	58 027	55 432	-6.87	-4.47
Petroleum	(t)	182 379 600	176 224 330	176 686 680	180 544 180	165 622 270	-9.19	-8.26
Total	(t)	237 267 400	231 020 330	231 053 880	235 524 780	217 692 870		

United Kingdom

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Tungsten	(t)	732	1 086	890	0	0	-100.00	.
Aluminium	(t)	46 000	46 500	44 400	39 400	35 700	-22.39	-9.39
Lead	(t)	100	100	100	150	100	0.00	-33.33
Tin	(t)	144	255	220	0	0	-100.00	.
Gold	(kg)	6	0	0	50	28	366.67	-44.00
Silver	(kg)	14	0	0	130	100	614.29	-23.08
Baryte	(t)	56 000	55 000	55 000	50 000	50 000	-10.71	0.00
Fluorspar	(t)	12 000	11 000	11 000	12 000	12 000	0.00	0.00
Gypsum	(t)	1 600 000	1 300 000	1 400 000	1 600 000	1 600 000	0.00	0.00
Kaolin	(t)	940 000	970 000	996 000	715 000	720 000	-23.40	0.70
Potash	(t)	482 800	297 400	291 100	84 000	99 260	-79.44	18.17
Salt	(t)	3 898 987	2 361 707	3 430 266	2 254 046	2 300 000	-41.01	2.04
Sulfur	(t)	133 000	133 000	129 000	130 000	130 000	-2.26	0.00
Talc	(t)	2 997	3 218	1 640	3 131	2 000	-33.27	-36.12
Steam Coal	(t)	3 035 700	2 267 900	1 996 860	1 849 060	1 166 420	-61.58	-36.92
Coking Coal	(t)	1 142 100	773 160	785 470	742 340	506 870	-55.62	-31.72
Nat. Gas	(Mio m ³)	41 653	42 100	40 827	39 265	39 342	-5.55	0.20
Petroleum	(t)	47 872 100	47 049 300	51 550 700	52 856 200	49 361 500	3.11	-6.61
Total	(t)	92 545 060	88 949 626	93 354 246	91 747 327	87 457 450		

United States

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	26 334 000	30 177 000	31 185 000	29 547 000	24 100 000	-8.48	-18.44
Cobalt	(t)	690	640	480	500	600	-13.04	20.00

Abbreviations: see Definitions

Molybdenum	(t)	36 200	40 700	41 400	43 600	51 100	41.16	17.20
Nickel	(t)	24 100	22 100	17 600	13 500	16 700	-30.71	23.70
Titanium	(t)	55 000	66 000	100 000	100 000	100 000	81.82	0.00
Vanadium	(t)			0	460	17	.	-96.30
Aluminium	(t)	818 430	740 884	896 652	1 126 032	1 026 617	25.44	-8.83
Bauxite	(t)	272 900	352 100	399 700	154 900	16 440	-93.98	-89.39
Beryllium	(t)	3 870	3 760	4 170	4 050	4 160	7.49	2.72
Cadmium	(t)	400	400	300	250	400	0.00	60.00
Copper	(t)	1 430 000	1 260 000	1 220 000	1 260 000	1 200 000	-16.08	-4.76
Germanium	(t)	3	2	2	2	2	-33.33	0.00
Lead	(t)	346 000	310 000	280 000	274 000	306 000	-11.56	11.68
Lithium	(t)	1 800	1 420	1 500	1 450	1 220	-32.22	-15.86
Mercury	(t)	15	15	15	15	15	0.00	0.00
Rare Earths	(t)	0	0	14 000	28 000	39 000	.	39.29
Rhenium	(kg)	8 440	8 200	8 220	8 360	8 830	4.62	5.62
Selenium	(t)	122	116	152	144	150	22.95	4.17
Tellurium	(t)	50	0	0	2	2	-96.00	0.00
Zinc	(t)	804 800	773 800	824 000	753 000	718 000	-10.79	-4.65
Gold	(kg)	228 267	236 778	226 000	200 000	193 400	-15.27	-3.30
Palladium	(kg)	13 070	13 600	14 267	14 323	14 555	11.36	1.62
Platinum	(kg)	3 891	3 980	4 165	4 152	4 203	8.02	1.23
Rhodium	(kg)	103	100	100	100	100	-2.91	0.00
Silver	(kg)	1 153 000	1 030 000	934 000	981 000	1 030 000	-10.67	4.99
Baryte	(t)	232 000	334 000	366 000	414 000	125 409	-45.94	-69.71
Bentonite	(t)	4 000 000	4 450 000	4 570 000	4 520 000	4 240 000	6.00	-6.19
Boron	(t)	1 134 000	1 075 000	1 075 000	1 030 000	830 000	-26.81	-19.42
Diatomite	(t)	686 000	768 000	957 000	768 000	822 000	19.83	7.03
Feldspar	(t)	470 000	440 000	550 000	450 000	430 000	-8.51	-4.44
Gypsum	(t)	19 800 000	20 700 000	21 100 000	21 700 000	21 200 000	7.07	-2.30
Kaolin	(t)	5 290 000	5 450 000	5 350 000	5 060 000	4 570 000	-13.61	-9.68
Magnesite	(t)	99 800	294 850	238 828	294 590	419 076	319.92	42.26
Perlite	(t)	521 000	587 000	504 000	629 000	845 000	62.19	34.34
Phosphates	(t)	7 615 000	7 840 000	7 250 000	6 547 000	6 604 000	-13.28	0.87
Potash	(t)	510 000	480 000	520 000	510 000	460 000	-9.80	-9.80
Salt	(t)	41 700 000	39 900 000	43 900 000	42 000 000	41 000 000	-1.68	-2.38
Sulfur	(t)	9 740 000	9 630 000	9 670 000	8 710 000	7 890 000	-18.99	-9.41
Talc	(t)	578 000	610 000	648 000	578 000	490 000	-15.22	-15.22
Vermiculite	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Zircon	(t)	50 000	45 000	100 000	30 000	30 000	-40.00	0.00
Steam Coal	(t)	543 539 000	573 904 900	562 012 600	521 540 300	394 850 100	-27.36	-24.29
Coking Coal	(t)	50 136 000	67 388 600	71 948 200	64 168 100	50 358 700	0.44	-21.52
Lignite	(t)	64 692 400	61 394 500	51 744 500	48 255 700	44 783 600	-30.77	-7.20
Nat. Gas (Mio m ³)		753 010	774 200	871 440	959 920	948 200	25.92	-1.22
Petroleum	(t)	585 129 800	620 208 100	722 989 800	808 722 500	775 016 000	32.45	-4.17
Uranium	(t)	1 323	1 108	657	79	7	-99.47	-91.14
Total	(t)	1 968 562 109	2 068 711 288	2 237 732 742	2 337 271 381	2 141 205 566		

Uruguay

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	1 040	1 010	2 520	2 510	1 240	19.23	-50.60
Gold	(kg)	999	1 055	393	0	0	-100.00	.

Abbreviations: see Definitions

Bentonite	(t)	6 650	6 640	7 760	6 730	16 550	148.87	145.91
Feldspar	(t)	460	370	380	100	210	-54.35	110.00
Talc	(t)	290	100	420	50	520	79.31	940.00
Total	(t)	8 441	8 121	11 080	9 390	18 520		

Uzbekistan

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Molybdenum	(t)	620	700	750	800	760	22.58	-5.00
Tungsten	(t)	80	103	97	100	20	-75.00	-80.00
Bismuth	(t)	0	0	0	2	2	.	0.00
Cadmium	(t)	290	306	237	250	450	55.17	80.00
Copper	(t)	100 000	109 000	117 000	137 300	142 800	42.80	4.01
Lead	(t)	2 000	26 000	21 300	19 100	18 400	820.00	-3.66
Rhenium	(kg)	660	530	500	800	1 000	51.52	25.00
Selenium	(t)	10	25	28	30	40	300.00	33.33
Tellurium	(t)	3	3	2	2	3	0.00	50.00
Zinc	(t)	45 000	47 200	38 400	35 400	37 200	-17.33	5.08
Gold	(kg)	100 000	89 900	92 716	100 900	104 600	4.60	3.67
Palladium	(kg)			0	28	91	.	225.00
Silver	(kg)	231 000	232 300	161 700	172 000	196 000	-15.15	13.95
Kaolin	(t)	323 680	269 906	291 814	377 184	373 440	15.37	-0.99
Phosphates	(t)	170 000	170 000	150 000	150 000	150 000	-11.76	0.00
Potash	(t)	83 000	114 900	176 900	198 400	210 000	153.01	5.85
Steam Coal	(t)	160 000	160 000	160 000	245 168	326 051	103.78	32.99
Lignite	(t)	3 717 400	3 878 670	4 014 400	3 807 600	3 805 000	2.36	-0.07
Nat. Gas (Mio m ³)		56 136	56 417	59 842	60 538	49 739	-11.40	-17.84
Petroleum	(t)	2 615 400	2 766 600	2 890 915	2 816 300	2 141 800	-18.11	-23.95
Uranium	(t)	3 921	4 009	4 062	4 127	4 127	5.25	0.00
Total	(t)	52 130 536	52 681 345	55 739 761	56 222 437	47 001 595		

Venezuela

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	5 070 000	4 615 000	2 017 500	2 062 800	1 235 000	-75.64	-40.13
Aluminium	(t)	145 000	136 000	64 700	10 000	9 996	-93.11	-0.04
Bauxite	(t)	340 000	242 000	92 000	50 000	0	-100.00	-100.00
Gold	(kg)	800	8 100	9 100	9 100	9 000	1 025.00	-1.10
Diam. (Gem)	(ct)		0	800	0	794	.	.
Diam. (Ind)	(ct)		0	1 200	0	0	.	.
Feldspar	(t)	58 000	30 340	30 000	30 000	30 000	-48.28	0.00
Phosphates	(t)	42 900	19 320	16 800	21 500	20 000	-53.38	-6.98
Salt	(t)	640 000	600 000	600 000	600 000	500 000	-21.88	-16.67
Sulfur	(t)	700 000	700 000	700 000	500 000	300 000	-57.14	-40.00

Abbreviations: see Definitions

Steam Coal	(t)	210 000	370 000	100 000	379 907	683 583	225.52	79.93
Nat. Gas	(Mio m ³)	37 240	38 605	31 619	25 576	18 751	-49.65	-26.69
Oil Sands*	(t)	29 000 000	25 000 000	20 000 000	18 000 000	14 900 000	-48.62	-17.22
Petroleum	(t)	121 033 000	107 584 000	75 628 110	46 625 600	27 390 800	-77.37	-41.25
Total	(t)	158 030 901	145 180 668	104 544 319	70 740 616	45 170 188		

*Oil Sands as part of Petroleum

Vietnam

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Iron	(t)	1 833 600	3 309 000	3 352 800	3 663 600	3 143 400	71.43	-14.20
Cobalt	(t)	134	0	0	0	0	-100.00	.
Manganese	(t)	92 000	102 000	111 000	113 000	121 000	31.52	7.08
Nickel	(t)	4 272	0	0	0	0	-100.00	.
Titanium	(t)	109 620	117 160	122 250	112 680	119 810	9.30	6.33
Tungsten	(t)	5 041	5 141	4 881	4 816	8 066	60.01	67.48
Antimony	(t)	230	230	245	396	387	68.26	-2.27
Bauxite	(t)	1 606 100	2 565 000	3 569 700	3 700 000	3 610 000	124.77	-2.43
Bismuth	(t)	2 013	2 403	2 639	917	993	-50.67	8.29
Copper	(t)	22 300	21 100	25 300	29 240	37 990	70.36	29.92
Lead	(t)	800	4 500	14 500	12 500	13 980	1 647.50	11.84
Tin	(t)	4 468	5 200	5 745	6 369	6 798	52.15	6.74
Zinc	(t)	12 000	12 000	12 000	13 000	10 900	-9.17	-16.15
Gold	(kg)	584	557	570	540	618	5.82	14.44
Baryte	(t)	80 000	70 000	50 000	43 000	51 500	-35.63	19.77
Fluorspar	(t)	218 878	234 905	238 700	238 003	219 920	0.48	-7.60
Graphite	(t)		0	1 500	3 500	3 700	.	5.71
Kaolin	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Phosphates	(t)	942 750	1 376 400	1 299 660	1 346 880	1 316 850	39.68	-2.23
Salt	(t)	982 000	648 500	996 500	945 000	1 205 500	22.76	27.57
Zircon	(t)	9 300	5 500	10 500	6 600	10 700	15.05	62.12
Steam Coal	(t)	38 735 000	38 409 000	42 384 000	47 158 000	48 377 000	24.89	2.58
Nat. Gas	(Mio m ³)	10 610	9 866	10 010	10 200	9 160	-13.67	-10.20
Petroleum	(t)	15 200 000	13 557 000	11 989 000	11 043 000	9 650 000	-36.51	-12.61
Total	(t)	68 448 507	68 437 840	72 298 921	76 700 502	75 336 495		

Yemen

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Gypsum	(t)	100 000	50 000	50 000	20 000	20 000	-80.00	0.00
Salt	(t)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Nat. Gas	(Mio m ³)	500	300	100	100	100	-80.00	0.00
Petroleum	(t)	991 000	1 282 600	1 732 300	2 387 000	2 411 100	143.30	1.01
Total	(t)	1 541 000	1 622 600	1 912 300	2 537 000	2 561 100		

Abbreviations: see Definitions

Zambia

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Cobalt	(t)	5 276	2 649	1 766	1 271	367	-93.04	-71.13
Manganese	(t)	27 500	39 900	37 800	11 970	12 220	-55.56	2.09
Nickel	(t)			0	2 500	5 712	.	128.48
Beryllium	(t)	5	4	7	7	2	-60.00	-71.43
Copper	(t)	774 290	799 329	857 847	796 430	882 061	13.92	10.75
Gold	(kg)	4 610	4 373	4 044	4 522	3 994	-13.36	-11.68
Sulfur	(t)	363 000	679 500	947 800	960 200	917 300	152.70	-4.47
Steam Coal	(t)	126 050	208 608	344 717	361 648	448 821	256.07	24.10
Total	(t)	1 296 126	1 729 994	2 189 941	2 134 031	2 266 487		

Zimbabwe

		2016	2017	2018	2019	2020	Change 16/20	Change 19/20
Chromium	(t)	128 220	309 980	402 600	720 330	572 460	346.47	-20.53
Cobalt	(t)	409	445	403	402	956	133.74	137.81
Nickel	(t)	17 743	16 594	17 850	16 918	16 336	-7.93	-3.44
Tungsten	(t)	13	3	16	37	30	130.77	-18.92
Copper	(t)	9 101	8 839	9 077	8 731	7 933	-12.83	-9.14
Lithium	(t)	2 030	1 850	3 160	2 650	860	-57.64	-67.55
Gold	(kg)	22 747	26 495	35 054	29 429	20 873	-8.24	-29.07
Palladium	(kg)	12 222	11 822	12 094	11 640	12 890	5.47	10.74
Platinum	(kg)	15 110	14 257	14 703	13 857	15 004	-0.70	8.28
Rhodium	(kg)	1 322	1 283	1 334	1 224	1 368	3.48	11.76
Diam. (Gem)	(ct)	639 920	752 360	975 730	423 840	534 090	-16.54	26.01
Diam. (Ind)	(ct)	1 493 140	1 755 500	2 276 690	1 695 350	2 136 370	43.08	26.01
Graphite	(t)	5 622	1 577	0	0	0	-100.00	.
Phosphates	(t)	8 500	18 000	15 400	8 100	13 500	58.82	66.67
Vermiculite	(t)	29 312	23 302	33 161	25 524	26 388	-9.98	3.39
Steam Coal	(t)	1 219 000	2 682 650	3 049 730	2 486 960	2 517 060	106.49	1.21
Coking Coal	(t)	417 000	245 549	297 770	242 960	233 830	-43.93	-3.76
Total	(t)	1 837 001	3 308 842	3 829 231	3 512 668	3 389 403		

Abbreviations: see Definitions

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