



World Mining Data 2025

Iron and Ferro-Alloy Metals

Non-Ferrous Metals

Precious Metals

Industrial Minerals

Mineral Fuels



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This publication is a statistical work. Due to the nature of this publication, only chapters 1-5 are accessible at this time. We are currently striving to expand the usability and accessibility of our publications. The graphic double page summarizes the major developments in global mining production based on data from this publication. The statistical data and underlying figures are available in Excel format and can be accessed on our homepage. If you are interested or if you would like to share any feedback on this brochure, please contact us at: wmd@bmf.gv.at.

Preface



Dr. Markus Marterbauer
Federal Minister

Raw materials are the backbone of the economy. The sufficient supply of mineral raw materials under fair market conditions is essential 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 tensions, wars and protectionist measures such as trade restrictions relentlessly demonstrate our vulnerability in a still globalized world with its 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 and defence. Critical raw materials that are essential especially for transformation technologies are particularly affected. To foster the security of supply of commodities stable legal frameworks attracting investments in exploration and exploitation, fair trade, innovations along the entire value chain and the expansion of the circular economy are part of the solutions. Additionally, domestic production contributes to independence and strategic autonomy. A holistic and cross-policy approach is needed to meet these 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 40 years. In this way, the Austrian Federal Ministry of Finance 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.

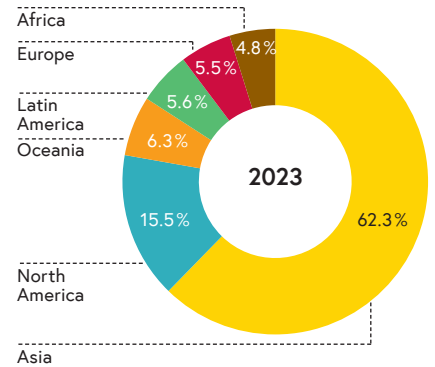
Dr. Markus Marterbauer

Federal Minister of Finance

Minerals – Backbone of the economy

Major developments in global mining production based on World Mining Data 2025

Total mining production 2023 by continents



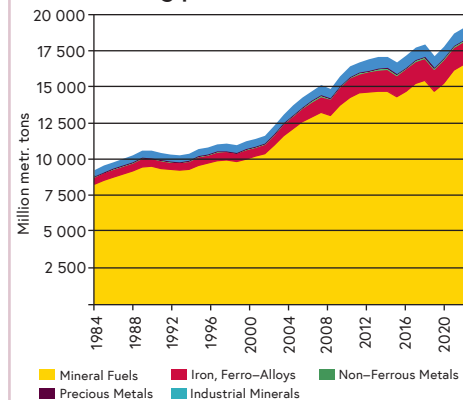
World mining production

2023
19.2 Billion metric tons

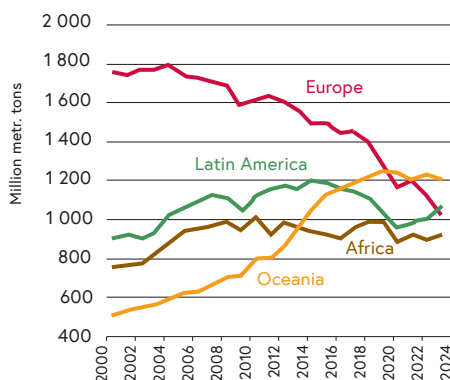
2000
11.3 Billion metric tons

1985
9.6 Billion metric tons

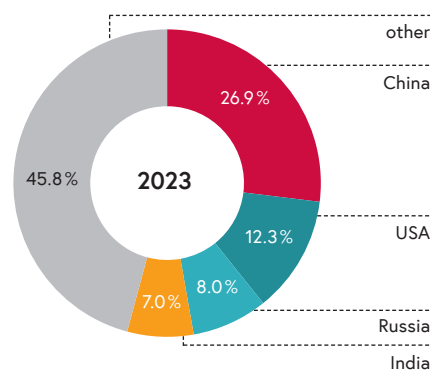
Total mining production 1984–2023



Minerals production: Latin America surpassed Europe in 2023



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



Iron and Ferro-Alloy Metals

Ratio of Iron Ore to all other Ferro-Alloy Metals

97.0% to 3.0%

Growth rate of Cobalt production 2000/2023 (2019/2023)

360.8% (58.7%)

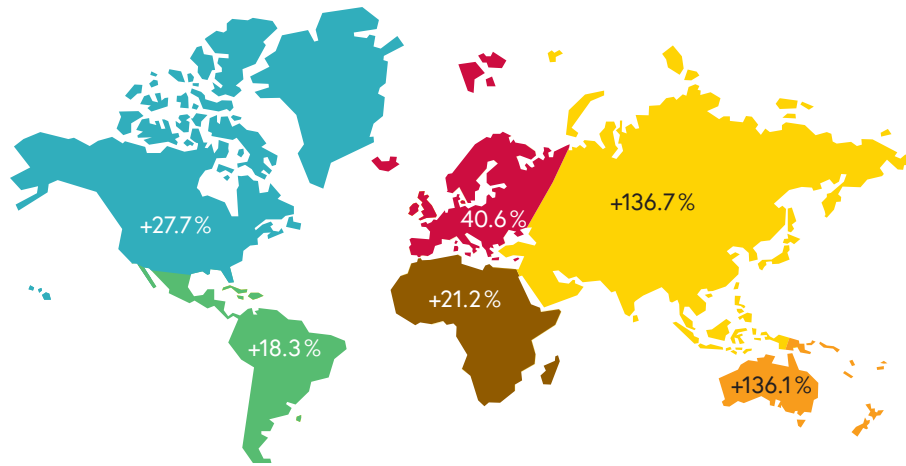
Growth rate of Nickel production 2000/2023 (2019/2023)

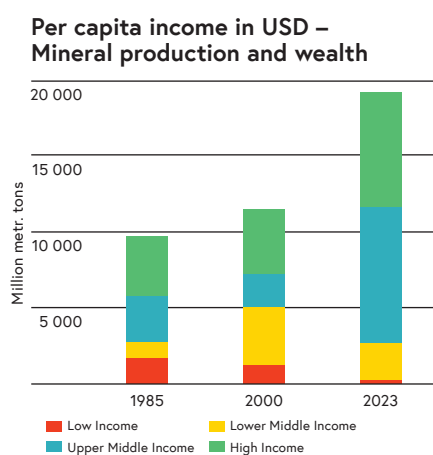
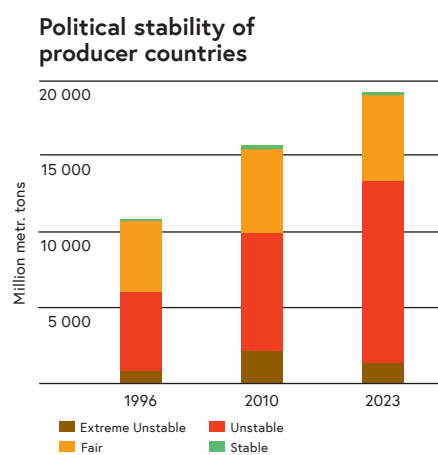
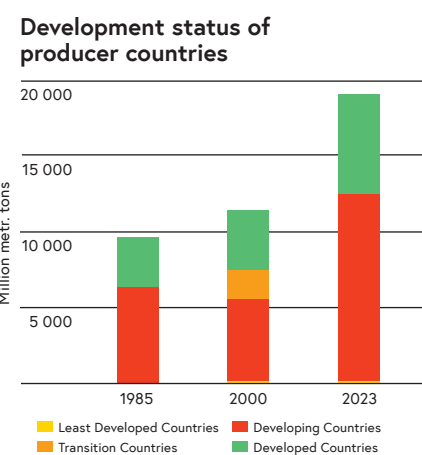
227.0% (36.9%)

China is world's largest producer of 28 different commodities:

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

Δ 2000/2023 – Declining production rates only in Europe since 2000





Non-Ferrous Metals

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

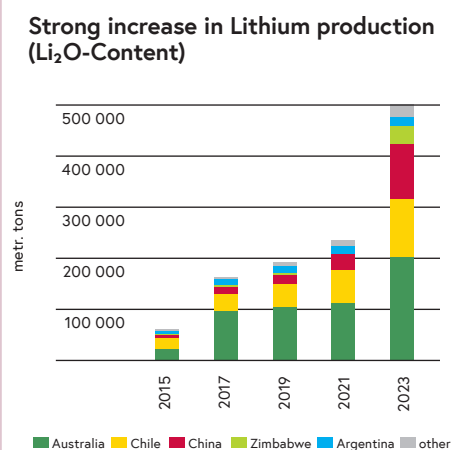
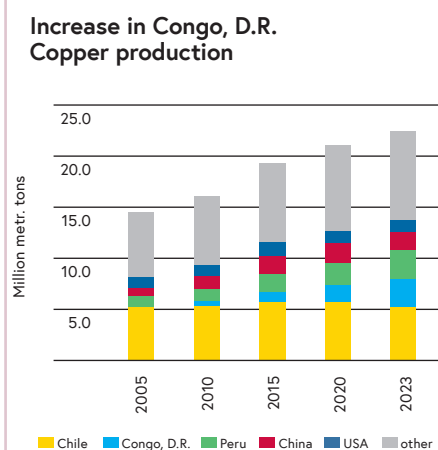
98.7% to 1.3%

Growth rate of Non-Ferrous Metals production 2000/2023 (2019/2023)

123.5% (8.8%)

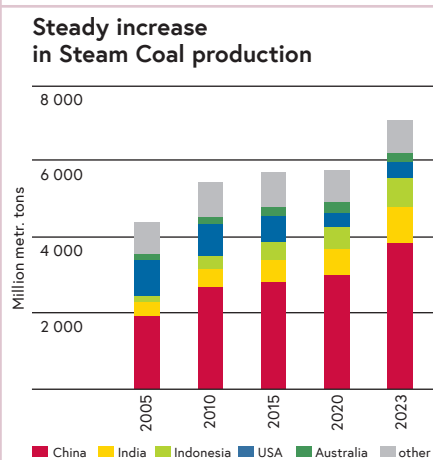
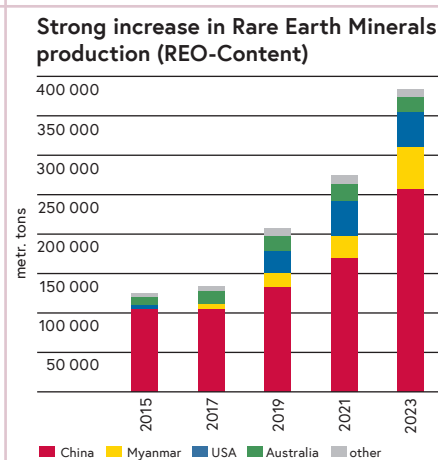
Growth rate of Aluminium production 2000/2023 (2019/2023)

187.2% (11.8%)



Big changes in production

	Δ 2000/2023	Δ 2019/2023
Lithium	1 735.1%	160.2%
Gallium	1 271.2%	90.6%
Rare Earths	372.5%	89.2%
Mercury	-25.7%	-54.3%
Diamond (Ind)	-30.2%	-31.7%
Asbestos	-39.8%	8.9%



Fertilizer Minerals: Mine production 2023 by major producer countries

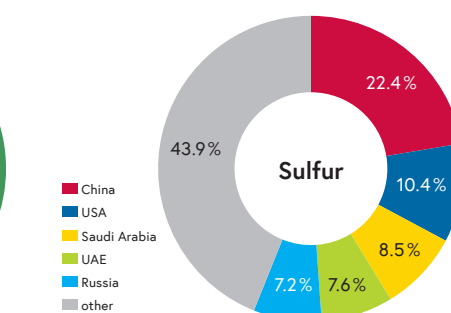
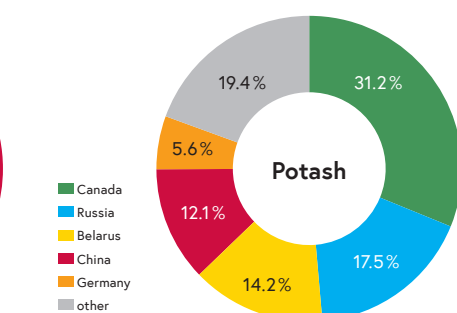
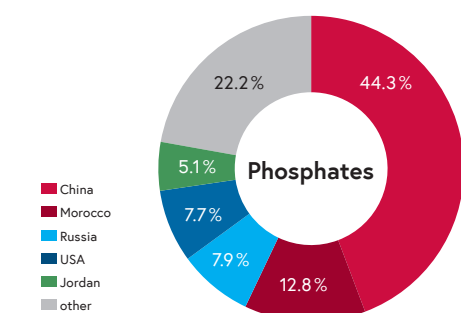


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1 Mineral Raw Materials

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
Afghanistan, Algeria, Argentina, Bangladesh, Belgium, Belarus, Bhutan, Botswana, Brazil, Burundi, Central African Republic, Chile, Colombia, Costa Rica, Cuba, Czechia, Dominican Republic, Ecuador, Egypt, Eswatini, Ethiopia, Falkland/Malvinas Islands, Finland, Georgia, Germany, 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, Türkiye, 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):

Czechia, 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
Türkiye	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	concentrate	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	concentrate	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:

- Fastmarkets Metal Bulletin
- Fastmarkets Industrial Minerals
- BGR-Rohstoffdatenbank, 2024; Bundesanstalt für Geowissenschaften und Rohstoffe, Deutschland
- U.S. Geological Survey
- Kitco Metals Inc.
- Metal-Pages
- Cameco Corporation
- International Energy Agency (IEA)
- U.S. Energy Information Administration (EIA)

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 classifications. The classification has been adopted for statistical convenience only (see fig. 5).

Important note: The designations "developing" and "developed" 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 and Korea South 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 developed countries; countries of Eastern Europe and former USSR countries in Europe are treated as developed countries; and former USSR countries in Asia are treated as developing countries.

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 (1971-2023), 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/ohrlls>

Economies in Transition:

According to UNCTAD HANDBOOK OF STATISTICS (2021) the category "Economies in Transition" is no longer used. As of 2022 Asean countries of this former category are treated as developing countries and European countries are treated as developed countries.

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

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

4.2 Regional Groups of Producer Countries

World Regions: (according to UN)

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

EAS - Eastern Asia: China, Japan, Korea North, Korea South, Mongolia, Taiwan

EEU - Eastern Europe: Belarus, Bulgaria, Czechia, Hungary, Moldova, Poland, Romania, Russia - Europe, Slovakia, Ukraine

LAM - Latin America and the Caribbean: Argentina, Bahamas, Barbados, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, French Guiana, Guatemala, Guyana, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad & Tobago, Uruguay, Venezuela

NAF - Northern Africa: Algeria, Egypt, Libya, Morocco, Sudan, Tunisia

NAM - Northern America: Canada, United States of America

NEU - Northern Europe: Denmark, Estonia, Finland, Iceland, Ireland, Latvia, Lithuania, Norway, Sweden, United Kingdom

OCE - Oceania: Australia, Christmas Island, Fiji, Nauru, New Caledonia, New Zealand, Papua New Guinea, Solomon Islands

SAS - Southern Asia: Afghanistan, Bangladesh, Bhutan, India, Iran, Nepal, Pakistan, Sri Lanka

SEAS - South-eastern Asia: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand, Viet Nam

SEU - Southern Europe: Albania, Bosnia and Herzegovina, Croatia, Greece, Italy, Kosovo, Malta, Montenegro, North Macedonia, Portugal, Serbia, Slovenia, Spain

SSA - Sub-Saharan Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Congo D.R., Congo Rep., Cote d'Ivoire,

Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Gabon, Ghana, Guinea, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa, South Sudan, Tanzania, Togo, Uganda, Zambia, Zimbabwe

WAS - Western Asia: Armenia, Azerbaijan, Bahrain, Cyprus, Georgia, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, Türkiye, United Arab Emirates, Yemen

WEU - Western Europe: Austria, Belgium, France, Germany, Netherlands, Switzerland

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, Mauritania, 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. Egypt, Ethiopia, Iran and United Arab Emirates joined in 2024, Indonesia joined in 2025.

EC (EU): European Community

Austria (1995), Belgium (1952/58), Bulgaria (2007), Croatia (2013), Cyprus (2004), Czechia (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 (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

OECD: Organization for Economic Cooperation and Development

Australia (1971), Austria (1961), Belgium (1961), Canada (1961), Chile (2010), Colombia (2020), Costa Rica (2021), Czechia (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), Türkiye (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

USMCA: United States-Mexico-Canada Agreement (former NAFTA)

Canada, Mexico, United States of America

USMCA was established on July 1, 2020 (NAFTA: January 1, 1994 - June 30, 2020).

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.

Year	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

Year	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

Year	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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
L	≤ 1 045	≤ 1 025	≤ 1 005	≤ 995	≤ 1 025	≤ 1 035	≤ 1 045	≤ 1 085	≤ 1 135	≤ 1 145
LM	≤ 4 125	≤ 4 035	≤ 3 955	≤ 3 895	≤ 3 995	≤ 4 045	≤ 4 095	≤ 4 255	≤ 4 465	≤ 4 515
UM	≤ 12 735	≤ 12 475	≤ 12 235	≤ 12 055	≤ 12 375	≤ 12 535	≤ 12 695	≤ 13 205	≤ 13 845	≤ 14 005
H	> 12 735	> 12 475	> 12 235	> 12 055	> 12 375	> 12 535	> 12 695	> 13 205	> 13 845	> 14 005

From: World Bank Analytical Classification World Development Indicators GNI per capita in USD: <https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>

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, 2025

Data received later than February 28, 2025 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 at:

<https://www.bmf.gv.at/en/topics/mining/mineral-resources-policy/wmd.html>

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

Disclaimer:

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

Charts

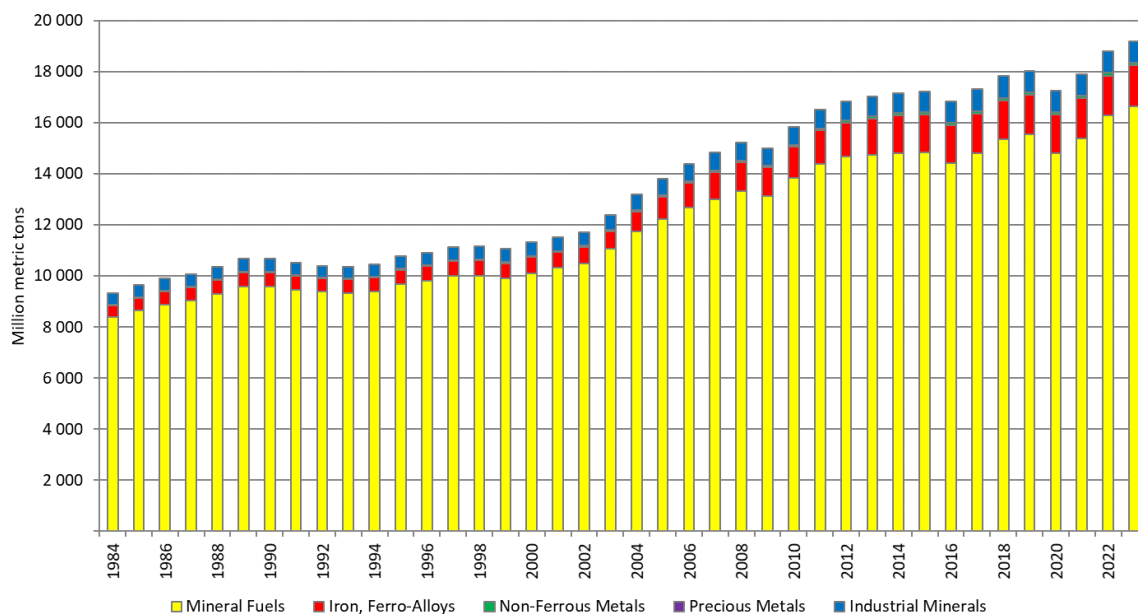


Fig. 1: World mining production 1984 - 2023 by groups of minerals
(without construction minerals, in Million metr. t)

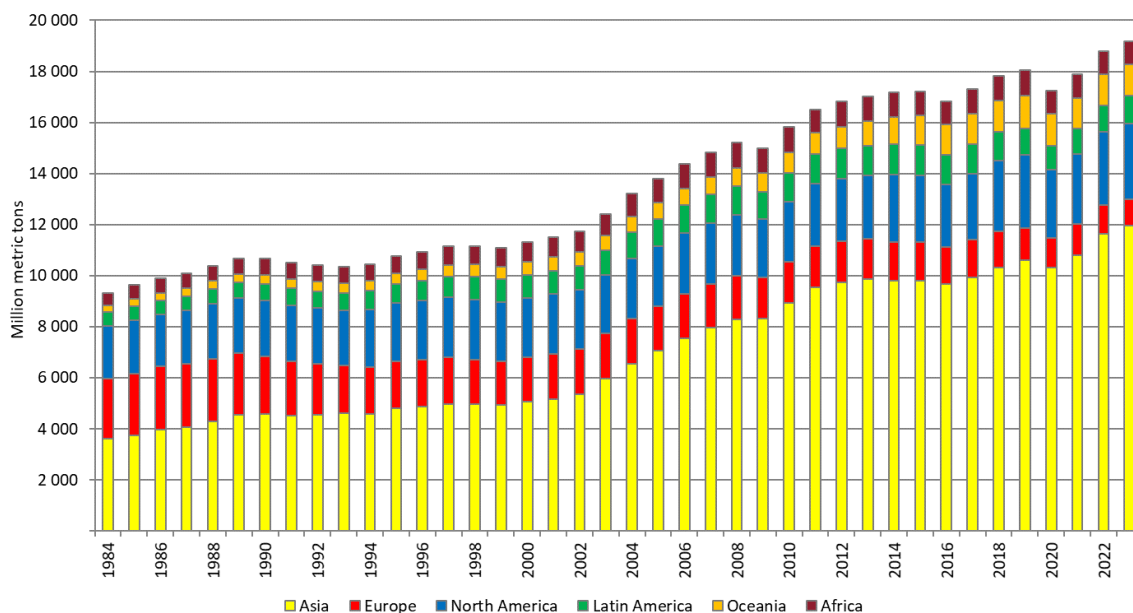


Fig. 2: World mining production 1984 - 2023 by continents
(without construction minerals, in Million metr. t)

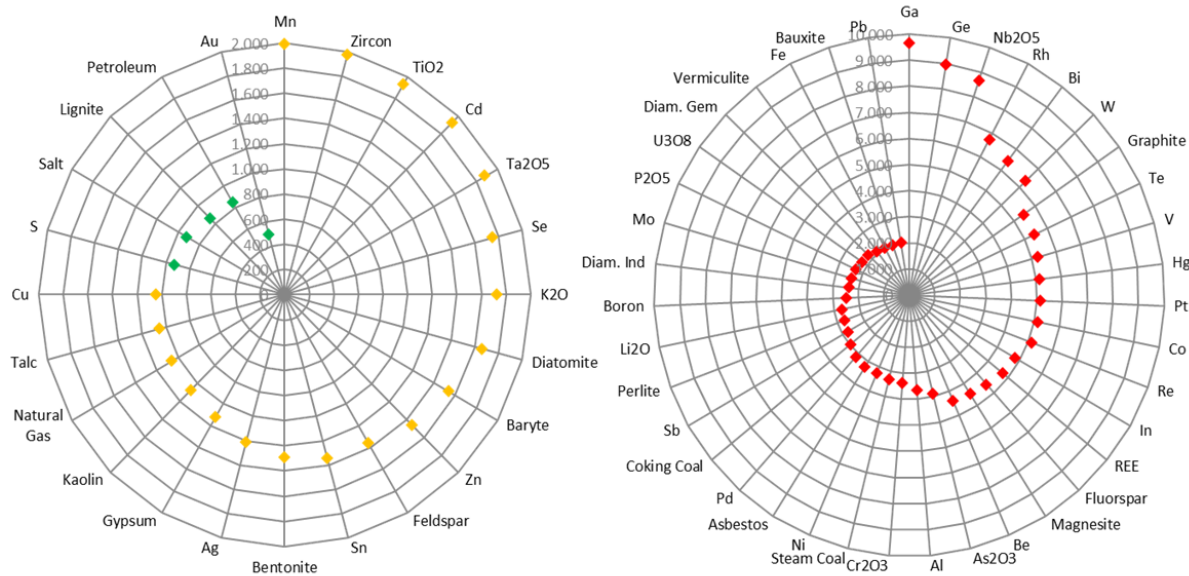


Fig. 3: Concentration of Producer Countries, Herfindahl-Hirschman Indices in 2023

left figure: HHI < 2 000

(Country Concentration ◆ low, ◆ moderate)

right figure: HHI > 2 000

(Country Concentration ◆ high)

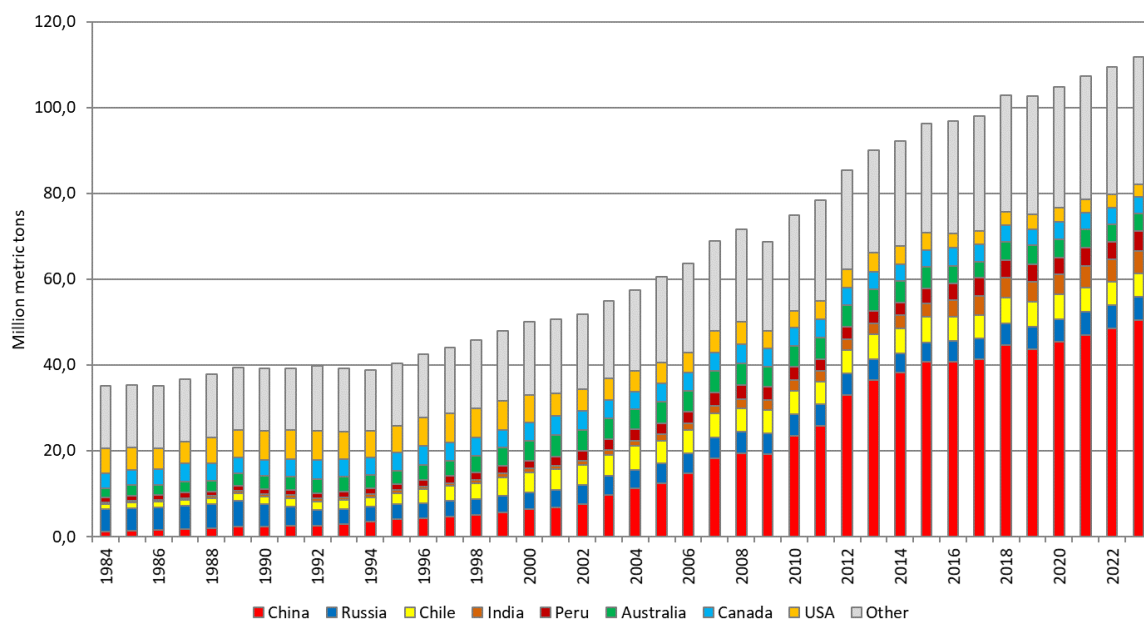


Fig. 4: World mining production 1984 - 2023 by groups of minerals: Non-Ferrous Metals by largest producer countries (in Million metr. t)

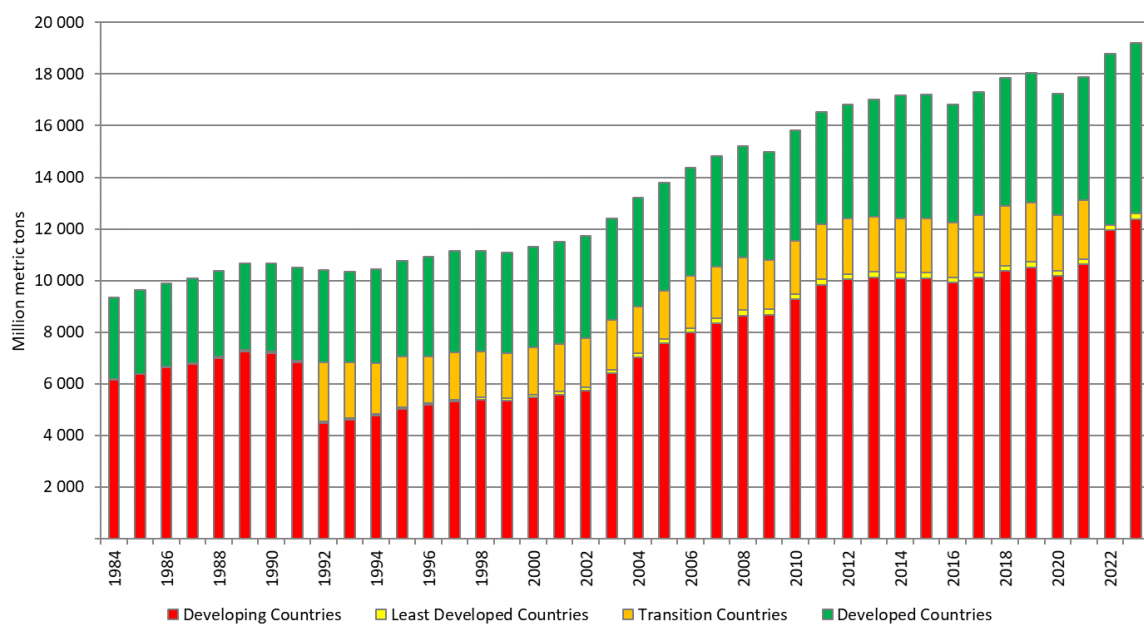


Fig. 5: World mining production 1984 - 2023 by development status of the producer countries acc. to UN (the category "Economies in Transition" is no longer used, without construction minerals, in Million metr. t)

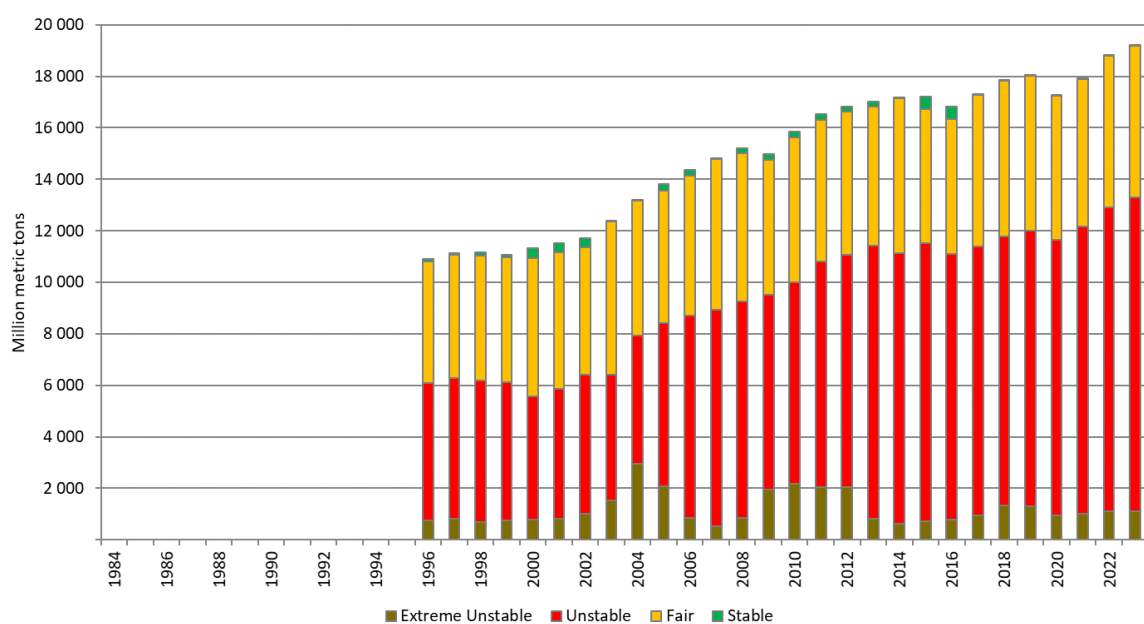


Fig. 6: World mining production 1984 - 2023 by political stability of the producer countries (without construction minerals, in Million metr. t)

Estimates of political stability of producer countries: Worldwide Governance Indicators, WORLD BANK

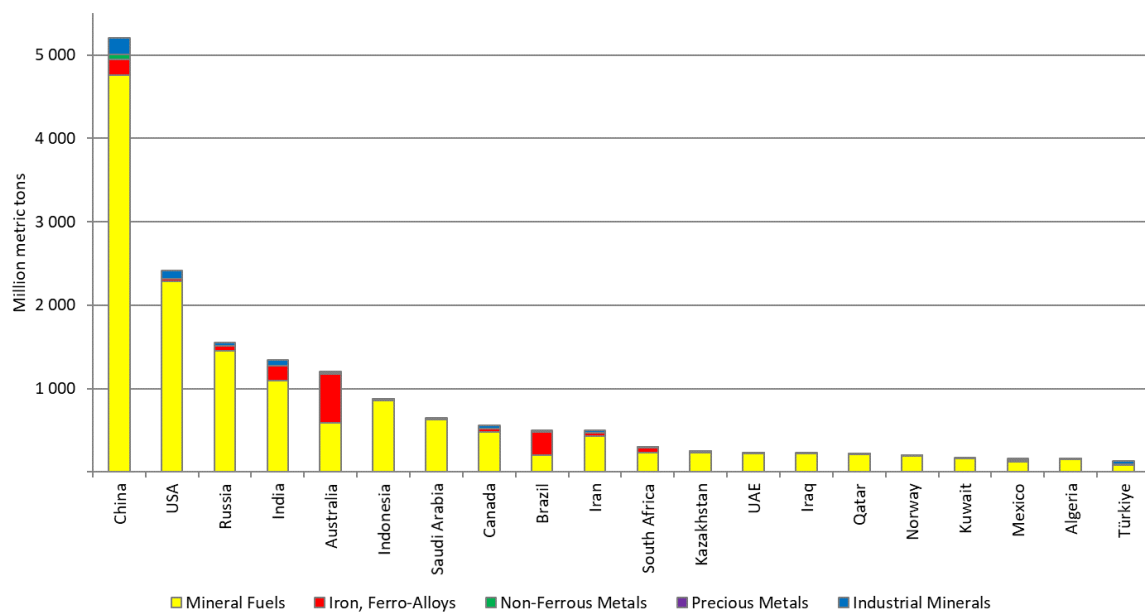


Fig. 7: 20 largest producer countries 2023 (without construction minerals, in Million metr. t)

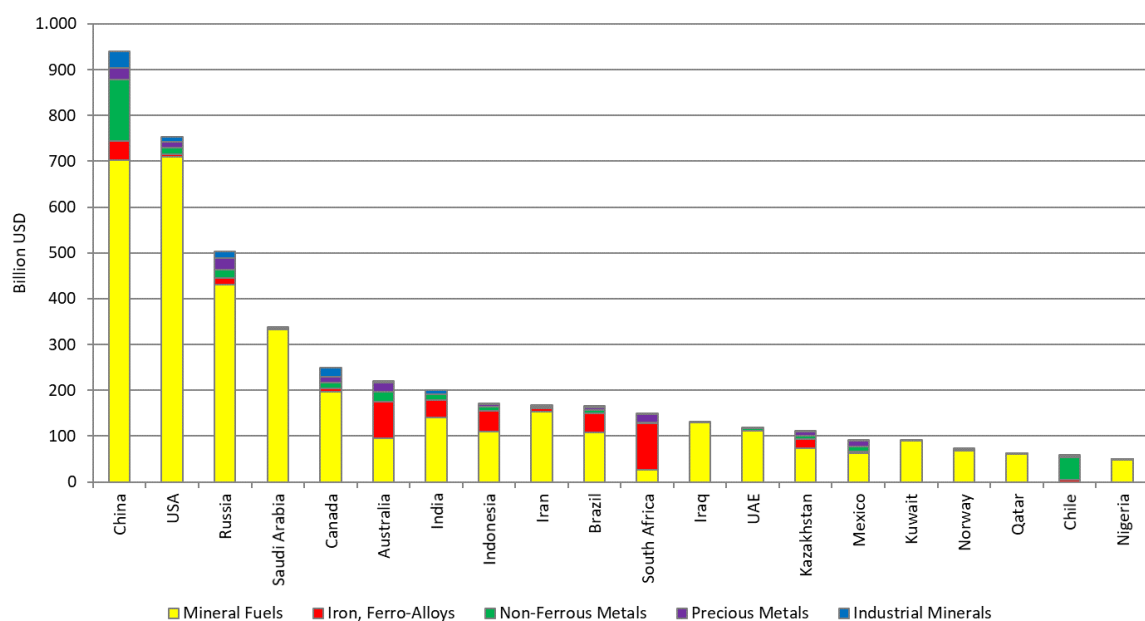


Fig. 8: 20 largest producer countries 2023 (without construction minerals, in Billion USD)

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	4 535 660 970	4 575 870 072	4 532 820 491	4 552 094 570	4 617 161 822
Europe	2 424 486 765	2 260 313 985	2 123 060 349	1 988 491 302	1 874 985 573
Latin America	613 513 369	646 514 806	663 144 692	670 905 309	686 940 025
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	10 681 596 000	10 663 153 330	10 511 339 006	10 399 591 510	10 350 183 827
	1994	1995	1996	1997	1998
Africa	652 593 419	686 972 850	680 883 877	713 277 901	720 075 978
Asia	4 593 040 086	4 820 268 566	4 880 406 639	4 969 566 025	4 967 282 473
Europe	1 826 668 411	1 833 548 690	1 832 372 740	1 827 942 589	1 747 147 595
Latin America	720 466 025	746 479 446	777 575 760	814 134 583	887 199 743
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	477 138 947
Total	10 447 552 634	10 775 905 128	10 917 681 794	11 139 444 582	11 155 174 277

	1999	2000	2001	2002	2003
Africa	732 165 377	765 733 161	773 456 477	781 715 961	833 951 331
Asia	4 929 839 618	5 051 164 647	5 170 060 483	5 355 827 787	5 970 984 174
Europe	1 721 201 321	1 755 973 081	1 753 407 523	1 777 355 518	1 778 623 013
Latin America	879 241 004	908 631 865	916 258 957	922 162 854	955 349 598
North America	2 327 927 155	2 324 941 284	2 357 596 851	2 322 570 961	2 283 577 245
Oceania	484 477 447	515 493 083	542 815 415	560 044 299	573 950 955
Total	11 074 851 922	11 321 937 121	11 513 595 706	11 719 677 380	12 396 436 316
	2004	2005	2006	2007	2008
Africa	890 333 467	944 557 106	957 844 493	975 719 824	996 725 521
Asia	6 538 129 535	7 067 753 045	7 554 057 409	7 955 801 973	8 290 257 889
Europe	1 788 545 139	1 749 879 233	1 728 775 009	1 717 633 543	1 700 370 530
Latin America	1 033 685 411	1 068 298 139	1 105 968 273	1 131 869 785	1 122 218 524
North America	2 355 162 356	2 343 744 813	2 381 080 452	2 371 567 898	2 403 886 981
Oceania	597 642 134	629 117 525	643 031 154	673 978 453	708 088 184
Total	13 203 498 042	13 803 349 861	14 370 756 790	14 826 571 476	15 221 547 629
	2009	2010	2011	2012	2013
Africa	963 712 118	1 009 671 531	929 025 242	993 631 415	964 096 118
Asia	8 324 850 637	8 922 128 223	9 530 841 778	9 735 700 418	9 857 873 162
Europe	1 606 084 844	1 621 761 725	1 638 536 469	1 618 154 598	1 574 067 804
Latin America	1 065 802 292	1 128 449 576	1 168 479 625	1 181 829 248	1 168 415 827
North America	2 295 422 815	2 355 466 902	2 432 757 654	2 440 184 070	2 494 642 392
Oceania	728 764 460	800 407 137	816 981 766	865 331 454	960 310 824
Total	14 984 637 166	15 837 885 094	16 516 622 534	16 834 831 203	17 019 406 127
	2014	2015	2016	2017	2018
Africa	947 213 151	939 891 370	917 432 452	969 336 698	992 897 383
Asia	9 797 198 304	9 815 140 126	9 682 393 090	9 944 184 048	10 329 632 573
Europe	1 509 068 627	1 487 101 353	1 449 109 173	1 458 417 631	1 417 052 621
Latin America	1 201 403 782	1 194 436 784	1 169 355 709	1 156 520 392	1 109 116 682
North America	2 644 338 540	2 632 174 028	2 444 166 326	2 576 221 052	2 767 426 206
Oceania	1 067 583 509	1 137 741 802	1 167 409 169	1 195 600 041	1 220 905 515
Total	17 166 805 913	17 206 485 463	16 829 865 919	17 300 279 862	17 837 030 980
	2019	2020	2021	2022	2023
Africa	998 225 008	896 932 075	933 575 006	913 973 194	927 854 915
Asia	10 592 967 438	10 301 138 016	10 804 463 897	11 626 738 606	11 957 750 246
Europe	1 276 824 789	1 173 033 151	1 205 032 691	1 140 094 284	1 043 822 213
Latin America	1 039 472 806	960 463 344	995 298 567	1 018 855 456	1 074 998 363
North America	2 867 314 270	2 662 642 924	2 742 105 848	2 865 150 127	2 968 847 331
Oceania	1 259 676 719	1 248 487 220	1 219 826 533	1 236 000 473	1 217 308 089
Total	18 034 481 030	17 242 696 730	17 900 302 542	18 800 812 140	19 190 581 157

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

(not including bauxite)

in metr. t

	1984	1985	1986	1987	1988
CAS	1 425 951 201	1 465 146 089	1 529 058 451	1 571 936 094	1 567 124 411
EAS	1 130 261 296	1 196 520 938	1 235 999 086	1 275 548 669	1 339 131 395
EEU	1 139 658 345	1 146 843 468	1 178 719 625	1 197 272 409	1 202 073 152
LAM	562 888 109	566 363 466	573 922 198	563 573 736	591 007 707
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
NEU	304 823 007	358 860 210	378 379 831	382 901 520	379 317 311
OCE	254 010 287	280 261 932	292 796 449	322 233 565	304 067 006
SAS	369 423 508	391 174 010	392 869 775	426 154 765	448 998 469
SEAS	168 341 615	175 807 959	185 516 677	188 689 202	199 171 336
SEU	190 759 183	199 583 419	204 204 370	210 339 811	215 226 005
SSA	317 228 071	335 705 985	344 735 676	341 838 508	357 966 477
WAS	527 415 081	510 901 039	624 043 328	615 783 962	725 051 541
WEU	708 365 726	729 205 658	710 122 361	694 575 150	676 106 734
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	1 594 037 166	1 552 780 216	1 453 649 254	1 288 539 011	1 241 991 491
EAS	1 425 420 016	1 451 647 427	1 468 862 046	1 502 315 242	1 548 154 722
EEU	1 158 430 645	1 060 975 211	996 103 069	901 430 613	814 951 425
LAM	613 477 069	646 478 806	663 108 692	670 868 309	686 903 025
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
NEU	372 456 720	372 574 849	389 135 278	414 361 673	421 149 782
OCE	332 116 920	347 898 842	362 385 522	374 707 983	386 115 067
SAS	496 499 726	534 076 863	566 699 894	576 912 531	608 838 579
SEAS	216 767 455	232 104 503	257 983 835	271 497 695	285 594 407
SEU	225 896 059	223 205 000	220 279 006	199 216 955	195 452 023
SSA	381 127 072	379 129 745	384 964 990	382 383 316	393 465 656
WAS	803 033 372	805 355 141	785 702 417	912 915 404	932 674 159
WEU	667 606 576	603 464 847	517 466 041	473 396 748	443 340 807
Total	10 681 596 000	10 663 153 330	10 511 339 006	10 399 591 510	10 350 183 827

	1994	1995	1996	1997	1998
CAS	1 098 234 023	1 119 074 901	1 058 029 574	1 079 155 810	1 074 429 377
EAS	1 628 138 848	1 757 882 677	1 826 057 605	1 781 667 918	1 729 349 102
EEU	763 566 706	760 377 672	732 464 971	743 240 957	686 214 649
LAM	720 428 525	746 441 946	777 538 760	814 098 083	887 163 743
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
NEU	446 837 992	467 256 723	499 834 142	506 049 658	499 348 379
OCE	392 630 850	415 408 333	429 772 081	462 884 590	477 138 947
SAS	633 987 134	657 447 368	678 681 064	721 242 838	718 693 133
SEAS	292 898 616	325 440 665	348 750 632	361 363 482	360 412 902
SEU	197 827 391	194 994 211	193 776 521	195 322 128	202 616 867
SSA	401 519 576	424 556 468	432 700 405	455 683 599	462 883 770
WAS	939 917 455	960 622 464	969 049 652	1 026 474 827	1 084 922 959
WEU	418 300 332	410 720 575	406 135 218	382 990 996	358 442 700
Total	10 447 552 634	10 775 905 128	10 917 681 794	11 139 444 582	11 155 174 277
	1999	2000	2001	2002	2003
CAS	1 071 158 516	1 108 283 957	1 129 574 226	1 177 886 454	1 230 300 332
EAS	1 663 095 619	1 655 600 116	1 708 011 241	1 850 331 242	2 238 353 468
EEU	655 576 843	679 491 433	683 374 763	691 015 870	712 347 640
LAM	879 205 004	908 631 865	916 258 957	922 162 854	955 349 598
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
NEU	511 101 032	520 637 373	513 323 772	517 387 757	510 653 399
OCE	484 477 447	515 493 083	542 815 415	560 044 299	573 950 955
SAS	732 545 513	765 438 724	787 223 631	817 188 915	892 215 803
SEAS	377 113 262	377 104 718	397 866 605	414 935 396	444 204 441
SEU	201 464 183	210 113 412	212 626 786	219 074 476	209 597 150
SSA	457 271 738	474 454 932	481 453 073	485 890 738	510 652 906
WAS	1 086 253 340	1 145 006 732	1 147 649 740	1 095 799 475	1 166 248 541
WEU	352 732 631	345 461 263	343 817 242	349 563 720	345 686 413
Total	11 074 851 922	11 321 937 121	11 513 595 706	11 719 677 380	12 396 436 316
	2004	2005	2006	2007	2008
CAS	1 285 633 131	1 347 979 607	1 408 071 538	1 470 982 490	1 485 693 100
EAS	2 539 536 471	2 853 646 569	3 125 948 592	3 359 815 480	3 542 374 809
EEU	725 012 411	729 032 462	745 300 458	751 791 020	738 742 001
LAM	1 033 685 411	1 068 298 139	1 105 968 273	1 131 869 785	1 122 218 524
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
NEU	495 642 702	465 824 793	439 447 504	424 032 926	419 952 118
OCE	597 642 134	629 117 525	643 031 154	673 978 453	708 088 184
SAS	953 587 103	1 007 554 548	1 066 251 967	1 131 204 460	1 185 139 131
SEAS	492 731 179	529 611 096	591 312 077	612 391 011	616 303 293
SEU	210 408 855	209 632 271	203 647 639	202 856 359	209 525 929
SSA	550 486 151	581 774 411	580 816 400	593 480 100	609 350 776
WAS	1 267 053 702	1 329 343 591	1 362 888 755	1 381 896 199	1 461 188 515
WEU	357 069 120	345 007 341	339 963 888	338 465 571	331 709 523
Total	13 203 498 042	13 803 349 861	14 370 756 790	14 826 571 476	15 221 547 629

	2009	2010	2011	2012	2013
CAS	1 396 063 206	1 496 878 480	1 554 084 565	1 577 583 770	1 571 114 590
EAS	3 637 045 869	3 951 785 011	4 300 456 508	4 371 754 275	4 465 436 844
EEU	698 786 895	720 294 475	760 299 659	756 428 755	737 080 641
LAM	1 065 802 292	1 128 449 576	1 168 479 625	1 181 829 248	1 168 415 827
NAF	367 604 086	371 797 046	297 612 352	338 676 664	307 211 628
NAM	2 295 422 815	2 355 466 902	2 432 757 654	2 440 184 070	2 494 642 392
NEU	394 306 476	387 776 694	355 946 982	345 378 193	328 689 277
OCE	728 764 460	800 407 137	816 981 766	865 331 454	960 310 824
SAS	1 250 192 616	1 269 378 684	1 264 363 251	1 240 375 348	1 242 417 669
SEAS	669 148 945	725 237 317	808 541 996	871 646 181	898 891 900
SEU	195 725 875	186 935 244	195 973 876	189 028 522	181 607 475
SSA	596 108 032	637 874 485	631 412 890	654 954 751	656 884 490
WAS	1 372 772 733	1 479 254 431	1 603 894 743	1 674 833 152	1 680 488 906
WEU	316 892 866	326 349 612	325 816 667	326 826 820	326 213 664
Total	14 984 637 166	15 837 885 094	16 516 622 534	16 834 831 203	17 019 406 127
	2014	2015	2016	2017	2018
CAS	1 565 280 166	1 569 144 263	1 566 580 746	1 674 846 246	1 775 801 136
EAS	4 369 249 135	4 285 061 236	3 963 437 881	4 078 702 649	4 196 876 980
EEU	708 510 862	695 012 839	685 330 539	684 842 850	661 371 658
LAM	1 201 403 782	1 194 436 784	1 169 355 709	1 156 520 392	1 109 116 682
NAF	277 857 418	267 208 739	275 191 825	305 996 390	327 844 396
NAM	2 644 338 540	2 632 174 028	2 444 166 326	2 576 221 052	2 767 426 206
NEU	326 758 293	335 847 482	333 737 571	340 548 366	335 705 127
OCE	1 067 583 509	1 137 741 802	1 167 409 169	1 195 600 041	1 220 905 515
SAS	1 292 311 514	1 348 802 944	1 445 501 605	1 498 376 476	1 568 478 874
SEAS	887 945 476	850 296 057	871 995 075	902 123 306	951 784 948
SEU	166 839 908	164 741 806	150 407 772	157 984 759	155 277 456
SSA	669 355 733	672 682 631	642 240 627	663 340 308	665 052 987
WAS	1 682 902 875	1 762 436 668	1 835 678 745	1 790 879 365	1 837 416 064
WEU	306 468 702	290 898 184	278 832 329	274 297 662	263 972 951
Total	17 166 805 913	17 206 485 463	16 829 865 919	17 300 279 862	17 837 030 980
	2019	2020	2021	2022	2023
CAS	1 839 396 042	1 709 551 559	1 812 212 488	1 779 808 069	1 727 556 306
EAS	4 364 267 200	4 419 234 605	4 657 266 221	5 114 405 126	5 321 106 281
EEU	596 158 161	541 594 270	563 444 528	497 571 689	463 332 355
LAM	1 039 472 806	960 463 344	995 298 567	1 018 855 456	1 074 998 363
NAF	332 735 126	270 382 684	329 462 960	318 103 140	321 422 886
NAM	2 867 314 270	2 662 642 924	2 742 105 848	2 865 150 127	2 968 847 331
NEU	316 392 094	316 754 531	307 250 088	310 559 530	302 647 205
OCE	1 259 676 719	1 248 487 220	1 219 826 533	1 236 000 473	1 217 308 089
SAS	1 536 962 532	1 479 945 616	1 611 942 528	1 759 213 046	1 917 551 703
SEAS	1 006 495 899	949 495 762	953 820 278	1 067 197 060	1 153 541 252
SEU	144 024 573	130 171 204	126 836 900	128 028 406	115 338 538
SSA	665 489 882	626 549 391	604 112 046	595 870 054	606 432 029
WAS	1 846 553 126	1 743 649 459	1 769 965 212	1 906 890 137	1 838 788 055
WEU	219 542 600	183 774 161	206 758 345	203 159 827	161 710 764
Total	18 034 481 030	17 242 696 730	17 900 302 542	18 800 812 140	19 190 581 157

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	3 415 864 741	3 605 216 660	3 578 620 438	3 525 046 456
Transition C.	0	0	7 001 748	2 288 481 585	2 149 919 544
Developing C.	7 255 130 175	7 190 516 931	6 845 319 296	4 478 000 553	4 619 740 025
Least Developed C.	54 092 975	56 771 658	53 801 302	54 488 934	55 477 802
Total	10 681 596 000	10 663 153 330	10 511 339 006	10 399 591 510	10 350 183 827
	1994	1995	1996	1997	1998
Developed C.	3 658 030 769	3 701 646 668	3 867 182 258	3 911 530 283	3 901 447 762
Transition C.	1 950 488 339	1 969 336 772	1 798 379 745	1 836 494 053	1 781 242 793
Developing C.	4 775 365 117	5 031 257 725	5 175 105 513	5 312 027 496	5 389 931 117
Least Developed C.	63 668 409	73 663 963	77 014 278	79 392 750	82 552 605
Total	10 447 552 634	10 775 905 128	10 917 681 794	11 139 444 582	11 155 174 277
	1999	2000	2001	2002	2003
Developed C.	3 880 033 363	3 917 626 648	3 974 382 743	3 961 772 614	3 918 787 749
Transition C.	1 755 536 975	1 818 133 949	1 842 028 326	1 905 811 340	1 934 426 788
Developing C.	5 343 956 118	5 486 077 228	5 587 000 473	5 730 320 141	6 418 526 073
Least Developed C.	95 325 466	100 099 296	110 184 164	121 773 285	124 695 706
Total	11 074 851 922	11 321 937 121	11 513 595 706	11 719 677 380	12 396 436 316
	2004	2005	2006	2007	2008
Developed C.	4 213 973 929	4 188 952 460	4 197 413 923	4 289 657 104	4 336 703 204
Transition C.	1 802 300 074	1 881 120 158	2 015 916 499	2 009 852 899	2 033 740 153
Developing C.	7 039 196 306	7 560 589 275	7 980 373 944	8 332 453 370	8 645 694 683
Least Developed C.	148 027 733	172 687 968	177 052 424	194 608 103	205 409 589
Total	13 203 498 042	13 803 349 861	14 370 756 790	14 826 571 476	15 221 547 629
	2009	2010	2011	2012	2013
Developed C.	4 174 761 431	4 298 687 585	4 344 208 957	4 422 770 412	4 531 981 969
Transition C.	1 928 652 281	2 054 455 717	2 130 703 579	2 149 422 327	2 142 229 971
Developing C.	8 679 504 573	9 274 846 830	9 844 951 302	10 065 710 187	10 130 697 194
Least Developed C.	201 718 881	209 894 962	196 758 696	196 928 277	214 496 993
Total	14 984 637 166	15 837 885 094	16 516 622 534	16 834 831 203	17 019 406 127

	2014	2015	2016	2017	2018
Developed C.	4 754 581 114	4 796 625 221	4 596 042 130	4 767 345 020	4 957 815 536
Transition C.	2 103 612 208	2 099 026 853	2 101 199 720	2 205 505 068	2 293 130 636
Developing C.	10 089 286 803	10 099 461 863	9 916 174 463	10 105 064 213	10 381 258 760
Least Developed C.	219 325 788	211 371 526	216 449 606	222 365 561	204 826 048
Total	17 166 805 913	17 206 485 463	16 829 865 919	17 300 279 862	17 837 030 980
	2019	2020	2021	2022	2023
Developed C.	5 000 558 692	4 698 972 273	4 787 211 982	6 663 663 577	6 602 540 980
Transition C.	2 314 219 883	2 168 251 459	2 278 541 291	0	0
Developing C.	10 519 465 364	10 187 988 229	10 650 991 204	11 942 626 019	12 381 892 215
Least Developed C.	200 237 091	187 484 769	183 558 065	194 522 544	206 147 962
Total	18 034 481 030	17 242 696 730	17 900 302 542	18 800 812 140	19 190 581 157

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
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/USMCA	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
EC	726 811 162	713 212 294	899 802 813	848 963 697	820 492 751
EFTA	127 328 938	131 079 908	138 682 527	155 402 174	161 077 230
G7	2 719 956 270	2 746 702 086	2 906 700 415	2 852 393 720	2 782 019 540
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	0	0	0	0	0
OECD	3 433 609 010	3 474 450 475	3 665 834 154	3 645 967 109	3 584 901 605
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
EC	810 422 706	830 631 556	835 014 310	810 193 130	793 392 866
EFTA	178 119 640	167 198 965	191 230 993	196 755 754	190 974 345
G7	2 890 864 001	2 905 879 615	2 944 282 748	2 959 745 223	4 026 600 474
MERCOSUR	0	237 744 912	241 754 188	258 158 580	276 046 988
NAFTA/USMCA	2 471 519 210	2 479 037 674	2 539 711 961	2 580 709 852	2 593 191 794
OECD	3 934 697 616	4 054 480 852	4 401 741 949	4 453 322 458	4 435 701 420
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
EC	795 356 622	786 159 755	774 671 132	782 355 532	759 900 398
EFTA	194 749 270	206 691 249	212 922 426	218 397 044	221 357 270
G7	3 990 479 133	3 987 937 488	4 006 251 222	4 016 333 569	4 010 573 889
MERCOSUR	282 748 724	305 879 670	301 536 799	318 735 895	332 243 088
NAFTA/USMCA	2 559 448 246	2 558 431 251	2 593 370 345	2 558 828 271	2 532 086 511
OECD	4 401 668 065	4 433 484 070	4 488 644 900	4 465 626 674	4 436 022 529
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	665 369 079	679 617 730
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
EC	1 041 340 682	1 002 525 360	966 282 239	1 030 585 249	1 006 918 511
EFTA	223 187 755	214 901 567	208 170 789	200 006 268	203 721 928
G7	4 127 325 296	4 146 823 017	4 216 918 915	4 265 534 274	4 266 652 349
MERCOSUR	361 091 110	384 188 065	628 913 827	652 236 026	646 652 940
NAFTA/USMCA	2 607 837 537	2 598 634 254	2 633 342 309	2 620 247 444	2 636 651 391
OECD	4 532 312 682	4 522 752 028	4 538 826 689	4 538 724 036	4 574 159 324
SADC	341 465 580	365 950 912	367 087 253	384 621 611	403 968 407
	2009	2010	2011	2012	2013
ACP	667 058 646	710 030 437	693 766 050	705 597 234	709 033 373
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
EC	937 470 944	935 868 078	939 097 365	917 656 968	883 171 009
EFTA	200 145 508	193 287 487	182 613 943	187 123 786	179 012 688
G7	4 063 970 879	4 211 410 300	4 313 813 143	4 320 057 786	4 356 280 721
MERCOSUR	594 891 174	640 389 557	653 339 655	655 377 112	635 772 996
NAFTA/USMCA	2 519 249 757	2 581 823 945	2 659 873 455	2 670 956 435	2 724 177 683
OECD	4 399 938 448	4 587 682 820	4 665 761 516	4 717 365 395	4 836 742 004
SADC	397 770 207	412 907 945	405 408 384	424 111 445	430 067 458

	2014	2015	2016	2017	2018
ACP	721 555 773	723 949 503	689 154 797	710 130 194	711 739 544
ASEAN	887 945 476	850 296 057	871 995 075	902 123 306	951 784 948
BRICS	7 385 435 178	7 377 055 081	7 096 042 302	7 368 134 934	7 614 762 336
EC	848 801 698	826 252 613	781 177 370	788 290 149	768 562 500
EFTA	180 353 090	189 222 630	190 505 921	194 069 327	186 791 401
G7	3 003 309 722	2 986 554 485	2 784 134 409	2 912 863 036	3 102 589 820
MERCOSUR	663 919 488	686 405 815	678 372 999	685 158 383	643 398 990
NAFTA/USMCA	2 866 513 064	2 831 485 728	2 638 033 228	2 753 020 752	2 939 852 203
OECD	5 047 487 047	5 058 031 481	4 867 156 139	5 018 049 801	5 226 678 416
SADC	441 997 410	435 491 881	424 063 200	441 151 731	438 549 366
	2019	2020	2021	2022	2023
ACP	712 837 301	672 525 626	647 751 727	650 558 800	665 519 612
ASEAN	1 006 495 899	949 495 762	953 820 278	1 067 197 060	1 153 541 252
BRICS	7 780 650 951	7 642 639 275	8 091 442 960	8 608 260 163	8 890 924 929
EC	684 338 224	584 078 805	534 637 011	542 868 970	448 985 969
EFTA	176 148 407	187 290 442	191 884 181	193 976 628	194 051 464
G7	3 161 481 434	2 922 679 681	3 012 489 064	3 137 192 978	3 196 127 726
MERCOSUR	587 532 125	554 927 897	584 123 068	591 030 426	636 852 501
NAFTA/USMCA	3 025 920 264	2 820 220 179	2 898 404 817	3 021 683 704	3 129 146 423
OECD	5 256 055 531	5 074 133 335	5 166 929 163	5 329 912 916	5 316 436 328
SADC	428 439 560	399 029 290	394 719 728	394 804 987	402 215 464

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	104 515 654	101 407 295	386 194 631
Fair	4 742 799 162	4 761 233 104	4 860 047 942	4 849 751 962	5 358 541 544
Unstable	5 313 386 963	5 474 066 157	5 518 639 931	5 381 947 067	4 795 681 500
Extreme Unstable	767 506 847	817 485 198	671 970 750	741 745 598	781 519 446
Total	10 917 681 794	11 139 444 582	11 155 174 277	11 074 851 922	11 321 937 121
	2001	2002	2003	2004	2005
Stable	355 190 957	349 875 134	19 963 414	49 270 953	244 902 434
Fair	5 297 186 974	4 945 559 276	5 964 849 270	5 213 389 979	5 135 760 264
Unstable	5 042 971 666	5 419 199 116	4 873 746 055	4 978 182 501	6 330 954 094
Extreme Unstable	818 246 109	1 005 043 854	1 537 877 577	2 962 654 609	2 091 733 069
Total	11 513 595 706	11 719 677 380	12 396 436 316	13 203 498 042	13 803 349 861

	2006	2007	2008	2009	2010
Stable	237 915 847	25 179 583	209 989 308	218 606 014	212 765 789
Fair	5 421 174 894	5 878 354 400	5 739 075 887	5 239 842 998	5 628 145 045
Unstable	7 846 146 953	8 385 166 759	8 437 378 169	7 563 891 179	7 837 369 709
Extreme Unstable	865 519 096	537 870 734	835 104 265	1 962 296 975	2 159 604 551
Total	14 370 756 790	14 826 571 476	15 221 547 629	14 984 637 166	15 837 885 094
	2011	2012	2013	2014	2015
Stable	195 904 880	205 993 312	198 571 422	36 777 495	484 595 097
Fair	5 500 444 945	5 576 397 157	5 398 285 361	5 987 507 148	5 210 995 309
Unstable	8 777 781 618	9 002 037 118	10 619 706 764	10 524 425 998	10 778 500 794
Extreme Unstable	2 042 491 091	2 050 403 616	802 842 580	618 095 272	732 394 263
Total	16 516 622 534	16 834 831 203	17 019 406 127	17 166 805 913	17 206 485 463
	2016	2017	2018	2019	2020
Stable	487 963 172	12 593 796	11 969 925	11 737 733	10 796 290
Fair	5 233 670 324	5 902 536 510	6 047 218 302	6 029 312 320	5 586 738 688
Unstable	10 314 462 718	10 422 676 296	10 434 593 125	10 698 940 575	10 685 992 049
Extreme Unstable	793 769 705	962 473 260	1 343 249 628	1 294 490 402	959 169 703
Total	16 829 865 919	17 300 279 862	17 837 030 980	18 034 481 030	17 242 696 730
	2021	2022	2023	2024	2025
Stable	10 183 891	9 000 198	21 044 366		
Fair	5 727 493 468	5 897 770 195	5 884 946 185		
Unstable	11 144 568 456	11 787 999 584	12 178 765 653		
Extreme Unstable	1 018 056 727	1 106 042 163	1 105 824 953		
Total	17 900 302 542	18 800 812 140	19 190 581 157		

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	518 351 544	527 354 970
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	466 022 788	453 542 362
Mineral Fuels	9 570 906 201	9 575 572 129	9 443 788 547	9 375 485 492	9 330 148 521
Total	10 681 596 000	10 663 153 330	10 511 339 006	10 399 591 510	10 350 183 827
	1994	1995	1996	1997	1998
Iron and Ferro-Alloys	546 473 894	577 003 628	564 412 774	590 662 477	593 354 759
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	476 448 258	493 200 047	501 553 390	518 080 782	504 542 436
Mineral Fuels	9 385 856 096	9 665 259 246	9 809 104 380	9 986 638 623	10 011 385 352
Total	10 447 552 634	10 775 905 128	10 917 681 794	11 139 444 582	11 155 174 277
	1999	2000	2001	2002	2003
Iron and Ferro-Alloys	582 302 931	627 277 484	596 561 401	642 377 488	692 928 163
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	532 629 932	539 434 881	537 057 554	542 008 604	589 890 476
Mineral Fuels	9 911 925 207	10 105 204 703	10 329 397 782	10 483 499 247	11 058 691 275
Total	11 074 851 922	11 321 937 121	11 513 595 706	11 719 677 380	12 396 436 316
	2004	2005	2006	2007	2008
Iron and Ferro-Alloys	787 207 372	858 612 467	962 486 244	1 062 444 383	1 118 889 629
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	633 680 934	656 649 518	679 234 001	693 087 370	700 324 866
Mineral Fuels	11 725 068 614	12 227 537 782	12 665 363 045	13 002 112 204	13 330 665 679
Total	13 203 498 042	13 803 349 861	14 370 756 790	14 826 571 476	15 221 547 629
	2009	2010	2011	2012	2013
Iron and Ferro-Alloys	1 101 178 811	1 222 460 413	1 307 546 257	1 319 742 852	1 401 138 299
Non-Ferrous Metals	68 786 771	74 867 975	78 343 726	85 347 468	90 029 211
Precious Metals	25 518	26 726	26 912	28 178	29 501
Industrial Minerals	673 767 824	712 418 353	738 239 352	750 212 432	777 453 605
Mineral Fuels	13 140 878 242	13 828 111 627	14 392 466 287	14 679 500 273	14 750 755 511
Total	14 984 637 166	15 837 885 094	16 516 622 534	16 834 831 203	17 019 406 127
	2014	2015	2016	2017	2018
Iron and Ferro-Alloys	1 490 475 340	1 494 383 822	1 502 497 657	1 553 694 406	1 505 542 933
Non-Ferrous Metals	92 242 734	96 175 032	96 885 520	98 007 280	102 931 171
Precious Metals	30 646	31 820	31 842	30 684	31 478
Industrial Minerals	782 270 396	787 862 881	831 711 370	842 700 170	867 696 919
Mineral Fuels	14 801 786 797	14 828 031 908	14 398 739 530	14 805 847 322	15 360 828 479
Total	17 166 805 913	17 206 485 463	16 829 865 919	17 300 279 862	17 837 030 980

	2019	2020	2021	2022	2023
Iron and Ferro-Alloys	1 546 792 749	1 516 732 422	1 582 387 890	1 560 914 263	1 610 254 408
Non-Ferrous Metals	102 678 132	104 791 254	107 352 305	109 388 158	111 736 977
Precious Metals	31 882	30 087	30 301	30 321	30 325
Industrial Minerals	847 765 277	815 674 086	844 418 295	857 699 858	844 281 165
Mineral Fuels	15 537 212 990	14 805 468 881	15 366 113 751	16 272 779 540	16 624 278 282
Total	18 034 481 030	17 242 696 730	17 900 302 542	18 800 812 140	19 190 581 157

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	3 104 331 760	3 149 671 237	3 147 685 027	3 196 071 169	3 218 379 949
Petroleum Oil Sands	17 980 000	18 510 800	18 777 200	19 617 900	20 237 800
Natural Gas	1 610 295 200	1 629 505 600	1 658 865 600	1 663 157 600	1 733 213 600
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	9 570 906 201	9 575 572 129	9 443 788 547	9 375 485 492	9 330 148 521
	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	3 189 910 583	3 251 473 414	3 274 753 153	3 406 937 738	3 509 675 999
Petroleum Oil Sands	21 344 000	23 031 100	23 962 800	28 400 500	31 770 100
Natural Gas	1 719 076 800	1 794 533 600	1 857 552 800	1 874 728 000	1 904 060 000
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	9 385 856 096	9 665 259 246	9 809 104 380	9 986 638 623	10 011 385 352

	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	3 449 855 456	3 581 551 235	3 580 531 566	3 561 524 520	3 702 073 702
Petroleum Oil Sands	33 866 500	44 441 000	50 443 100	63 151 600	66 369 900
Natural Gas	1 956 240 800	2 002 115 200	2 033 502 400	2 096 815 200	2 142 354 400
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	9 911 925 207	10 105 204 703	10 329 397 782	10 483 499 247	11 058 691 275
	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	3 886 190 188	3 935 792 890	3 962 232 373	3 944 285 280	3 984 885 851
Petroleum Oil Sands	83 717 200	80 995 800	90 087 100	94 861 200	95 744 700
Natural Gas	2 200 730 400	2 272 442 400	2 356 186 400	2 439 281 600	2 524 384 000
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	11 725 068 614	12 227 537 782	12 665 363 045	13 002 112 204	13 330 665 679
	2009	2010	2011	2012	2013
Steam Coal	5 148 155 149	5 397 763 695	5 743 171 410	5 854 777 988	5 895 124 606
Coking Coal	824 599 040	943 566 350	1 018 552 520	1 025 682 310	1 085 174 980
Lignite	833 407 466	847 584 916	891 323 386	894 761 867	856 633 855
Petroleum Total	3 880 338 072	3 972 887 814	4 006 098 450	4 112 540 147	4 125 658 981
Petroleum Oil Sands	102 879 100	110 453 500	116 257 300	129 172 900	135 662 800
Natural Gas	2 438 430 400	2 647 440 800	2 713 752 000	2 771 966 400	2 766 716 800
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	13 140 878 242	13 828 111 627	14 392 466 287	14 679 500 273	14 750 755 511
	2014	2015	2016	2017	2018
Steam Coal	5 820 258 614	5 669 206 604	5 243 160 096	5 532 159 250	5 838 604 969
Coking Coal	1 119 757 683	1 090 851 155	1 048 691 522	1 022 957 264	1 038 913 561
Lignite	818 200 727	820 582 221	814 324 735	820 800 439	800 482 271
Petroleum Total	4 200 969 169	4 360 716 443	4 384 648 893	4 386 527 394	4 498 350 815
Petroleum Oil Sands	135 882 800	158 197 900	159 356 500	169 006 100	176 864 600
Natural Gas	2 820 633 600	2 866 096 800	2 891 157 600	3 020 797 600	3 161 618 400
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	14 801 786 797	14 828 031 908	14 398 739 530	14 805 847 322	15 360 828 479

	2019	2020	2021	2022	2023
Steam Coal	5 956 304 228	5 726 903 170	6 073 394 123	6 713 790 820	7 019 162 249
Coking Coal	1 058 032 216	1 036 290 098	1 031 500 586	1 049 228 048	1 075 305 187
Lignite	734 488 961	637 327 140	681 884 781	730 715 184	633 385 466
Petroleum Total	4 506 114 913	4 214 605 861	4 263 689 054	4 452 445 737	4 546 738 152
Petroleum Oil Sands	176 766 200	167 943 300	182 104 200	188 263 400	193 858 800
Natural Gas	3 265 580 000	3 177 232 000	3 302 914 400	3 310 660 800	3 327 339 200
Oil Shales	16 628 394	13 054 894	12 674 826	15 880 441	22 280 683
Uranium	64 278	55 718	55 981	58 510	67 345
Total	15 537 212 990	14 805 468 881	15 366 113 751	16 272 779 540	16 624 278 282

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	4 432 985 753	4 497 730 526	4 494 894 219	4 563 989 629	4 595 846 567
Petroleum Oil Sands	25 675 440	26 433 422	26 813 842	28 014 361	28 899 578
Natural Gas	2 180 339 701	2 206 350 582	2 246 104 022	2 251 915 390	2 346 771 214
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	10 925 364 606	10 876 897 801	10 662 251 610	10 612 997 496	10 582 390 563
	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	4 555 192 313	4 643 104 035	4 676 347 502	4 865 107 090	5 011 817 327
Petroleum Oil Sands	30 479 232	32 888 411	34 218 878	40 555 914	45 367 703
Natural Gas	2 327 629 987	2 429 798 494	2 515 126 491	2 538 381 712	2 578 097 240
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	10 599 226 356	10 958 246 425	11 144 398 569	11 394 340 402	11 476 300 365

	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	4 926 393 591	5 114 455 164	5 112 999 076	5 085 857 015	5 286 561 246
Petroleum Oil Sands	48 361 362	63 461 748	72 032 747	90 180 485	94 776 217
Natural Gas	2 648 750 043	2 710 863 981	2 753 362 250	2 839 087 781	2 900 747 858
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	11 352 016 204	11 678 203 075	11 880 112 383	12 005 948 085	12 540 664 528
	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	5 549 479 588	5 620 312 247	5 658 067 829	5 632 439 380	5 690 416 995
Petroleum Oil Sands	119 548 162	115 662 002	128 644 379	135 461 794	136 723 432
Natural Gas	2 979 788 962	3 076 887 010	3 190 276 386	3 302 787 286	3 418 015 936
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	13 286 060 817	13 751 148 313	14 088 752 642	14 408 647 711	14 769 968 797
	2009	2010	2011	2012	2013
Steam Coal	3 921 037 917	4 093 694 167	4 340 393 395	4 411 200 248	4 436 685 639
Coking Coal	635 657 384	732 783 510	785 922 232	791 664 822	837 099 793
Lignite	280 791 804	288 408 437	303 452 261	302 947 507	289 922 083
Petroleum Total	5 541 122 767	5 673 283 798	5 720 708 587	5 872 707 330	5 891 441 025
Petroleum Oil Sands	146 911 355	157 727 598	166 015 424	184 458 901	193 726 478
Natural Gas	3 301 634 762	3 584 634 843	3 674 420 208	3 753 242 506	3 746 134 547
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	14 669 663 332	15 417 342 698	15 876 725 238	16 295 965 927	16 373 253 910
	2014	2015	2016	2017	2018
Steam Coal	4 389 965 791	4 272 442 466	3 944 243 818	4 155 271 257	4 370 559 892
Coking Coal	865 063 178	844 224 292	813 118 851	798 916 672	810 791 420
Lignite	278 440 353	280 122 416	279 424 269	280 914 207	273 269 323
Petroleum Total	5 998 983 973	6 227 103 081	6 261 278 619	6 263 961 119	6 423 644 964
Petroleum Oil Sands	194 040 638	225 906 601	227 561 082	241 340 711	252 562 649
Natural Gas	3 819 137 894	3 880 695 067	3 914 627 390	4 090 159 950	4 280 831 314
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	16 472 108 736	16 699 576 333	16 449 274 607	16 757 684 302	17 223 373 110

	2019	2020	2021	2022	2023
Steam Coal	4 446 738 631	4 253 200 220	4 504 037 879	4 956 693 586	5 163 818 874
Coking Coal	824 097 244	803 768 721	800 222 956	813 412 421	835 474 951
Lignite	253 426 249	222 868 268	237 938 777	256 085 665	222 780 317
Petroleum Total	6 434 732 096	6 018 457 170	6 088 547 969	6 358 092 512	6 492 742 081
Petroleum Oil Sands	252 422 134	239 823 032	260 044 798	268 840 135	276 830 366
Natural Gas	4 421 595 320	4 301 972 128	4 472 146 098	4 482 634 723	4 505 217 277
Oil Shales	5 038 403	3 955 633	3 840 472	4 811 774	6 751 047
Uranium	1 060 587 000	919 347 000	923 686 500	965 415 000	1 111 192 500
Total	17 446 214 943	16 523 569 140	17 030 420 651	17 837 145 681	18 337 977 047

6.1.8 Total Minerals Production 2023, 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	5 275 323 353	195 472 739	50 417 029	3 780	206 871 000	4 757 042 505
United States	2 412 274 729	28 445 900	2 957 983	1 203	91 617 290	2 289 204 123
Russia	1 560 243 470	53 990 499	5 523 790	1 970	40 296 315	1 453 563 196
India	1 363 189 440	173 038 350	5 234 660	740	64 289 387	1 097 265 508
Australia	1 301 371 105	592 643 180	4 141 401	1 329	19 713 487	585 813 332
Indonesia	878 954 445	2 847 000	1 189 634	376	4 865 466	860 162 400
Saudi Arabia	655 483 379	350 000	794 957	22	17 650 000	630 788 400
Canada	556 620 832	40 359 368	3 878 393	455	34 708 494	477 674 122
Brazil	527 807 571	275 304 669	1 650 009	190	19 400 241	199 419 971
Iran	502 490 262	37 747 680	1 250 807	96	33 780 346	428 840 260
South Africa	292 138 381	56 515 945	1 003 924	358	3 001 493	231 616 661
Kazakhstan	257 365 363	13 852 062	1 275 854	1 026	8 232 926	229 443 595
United Arab Emirates	229 475 470	0	2 660 000	0	6 300 000	220 515 470
Iraq	222 464 760	0	0	0	1 480 000	220 984 760
Qatar	215 026 360	0	644 000	0	3 050 000	211 332 360
Norway	192 590 377	1 457 480	1 321 649	0	133 503	189 677 745
Kuwait	161 055 100	0	0	0	1 198 900	159 856 200
Mexico	160 299 092	14 437 074	1 898 479	7 410	20 130 025	123 826 104
Algeria	151 950 640	931 900	240	0	3 626 900	147 391 600
Türkiye	136 016 522	11 433 890	469 746	132	37 869 226	83 308 738
Germany	133 279 411	85 400	189 954	7	25 115 346	107 888 704
Guinea	123 067 491	0	0	76	0	0
Colombia	118 152 087	336 910	6 007	114	1 061 817	116 744 460
Nigeria	108 414 478	46 701	83 959	3	245 023	108 038 792
Oman	100 629 990	154 100	397 530		13 340 460	86 737 900
Poland	98 821 930	750	424 990	1 320	5 467 760	92 927 110
Malaysia	92 776 651	3 213 594	957 998	9	511 166	87 517 114
Mongolia	80 690 418	2 990 474	382 086	88	606 280	76 711 490
Egypt	78 496 904	46 000	310 000	14	2 640 000	75 500 890
Turkmenistan	73 580 600	0	0	0	768 700	72 811 900
Venezuela	71 964 439	2 440 000	10 000	9	990 700	67 623 730
Argentina	69 985 080	0	498 903	849	2 058 228	67 427 100
Libya	69 433 600	0	0	0	488 200	68 945 400
Vietnam	68 695 981	1 151 200	77 601	3	1 806 077	61 861 100
United Kingdom	67 712 649	0	29 346	1	6 188 372	61 494 930

Azerbaijan	60 116 964	0	38 938	8	799 418	59 278 600
Angola	60 097 162	29 900	0	0	522 002	59 545 260
Thailand	53 790 635	215 642	30	11	12 438 914	41 136 038
Ukraine	53 003 176	19 829 200	0	0	836 666	32 337 310
Pakistan	51 387 314	205 710	66 215	0	5 579 376	45 476 013
Uzbekistan	47 326 301	790	205 160	347	1 582 000	45 538 004
Peru	39 132 584	13 020 826	4 555 946	3 142	3 856 006	17 696 664
Czechia	33 833 562	0	0	0	2 999 000	30 834 562
Serbia	33 556 191	0	256 519	12	280 311	33 019 349
Chile	32 638 451	11 487 488	5 386 138	1 298	14 416 167	1 347 360
Romania	27 474 995	3 250	206 888	19	2 168 101	25 096 737
Mozambique	27 301 379	1 829 598	517 366	2	352 483	24 596 449
Laos	25 304 064	2 029 200	65 679	28	4 034 838	18 899 177
Bulgaria	24 850 227	3 000	159 957	32	3 508 100	21 179 138
Bahrain	24 152 615	0	1 620 665	0	133 100	22 398 850
Ecuador	23 962 566	0	126 500	66	1 000	23 835 000
Trinidad and Tobago	23 808 260	0	0	0	0	23 808 260
Bangladesh	21 432 617	0	0	0	2 232 000	19 200 617
Spain	21 152 428	735	214 908	91	20 915 288	21 406
Israel	20 919 976	0	0	0	3 432 765	17 487 211
Guyana	20 121 875	119 520	0	13	0	19 478 600
Sweden	20 012 913	19 126 500	476 002	411	410 000	0
Philippines	19 803 328	517 780	62 281	77	314 290	18 908 900
Korea, North	19 110 760	1 735 550	55 150	60	220 000	17 100 000
Myanmar	16 021 291	239 130	133 960	1	589 300	15 058 900
Gabon	15 873 101	4 393 100	0	1	0	11 480 000
Bosnia-Herzegovina	15 389 338	640 980	79 185	0	1 329 453	12 791 560
Greece	15 194 479	0	215 181	45	3 341 315	10 663 000
Jordan	14 708 090	0	0	0	6 112 890	8 595 200
Netherlands	14 237 605	0	726	0	4 883 185	9 353 694
Congo, Rep.	14 186 889	20 200	32 489	0	0	14 134 200
Bolivia	13 634 546	131 616	621 591	1 397	551 462	12 328 480
Estonia	13 362 000	0	0	0	0	13 362 000
Brunei	12 655 180	0	0	0	0	12 655 180
Morocco	11 923 918	48 706	101 922	232	11 730 156	42 902
Ghana	11 496 942	870 500	48 314	127	150 000	9 468 400
Italy	11 333 352	0	0	0	4 701 429	6 631 923
Belarus	10 343 000	0	0	0	8 680 000	1 663 000
Equatorial Guinea	9 681 230	0	0	0	0	9 681 230
Mauritania	9 288 734	9 155 700	13 014	20	120 000	0
France	8 959 671	0	356 738	0	7 880 513	602 420
New Zealand	8 389 186	1 480 000	333 869	13	120 500	6 454 804
Sierra Leone	7 594 956	6 213 472	0	0	27 776	0
South Sudan	7 272 710	0	0	0	0	7 272 710
Tunisia	6 970 200	135 000	2 600	0	3 654 200	3 178 400
Kosovo	6 930 329	10	6 660	0	0	6 923 659
Chad	6 664 600	0	0	0	0	6 664 600
Hungary	6 631 289	0	0	0	118 000	6 513 289
Papua New Guinea	6 145 845	104 176	90 490	179	0	5 951 000
Japan	6 115 312	0	3 105	7	4 141 400	1 970 800
Tanzania	6 090 019	33 800	4 158	69	804 558	5 186 081
Jamaica	6 068 600	0	0	0	80 500	0
Zimbabwe	5 480 879	502 970	48 121	70	30 978	4 898 740
Cameroon	5 143 380	0	62 180	0	0	5 081 200
Korea, South	5 074 593	412 649	5 733	2	4 010 260	645 949
Denmark	4 707 976	0	0	0	723 562	3 984 414
Austria	4 649 675	1 025 029	0	0	2 710 353	914 293
Kyrgyzstan	4 593 181	0	7 041	40	136 000	4 450 100
Syria	4 507 890	0	0	0	612 000	3 895 890
North Macedonia	4 479 894	0	79 750	17	308 994	4 091 133
Cote d'Ivoire	4 261 363	507 310	0	53	0	3 649 000
Congo, D.R.	4 163 801	142 048	2 871 803	38	2	1 149 910

Cuba	3 513 094	43 400	101 100	0	404 594	2 964 000
Slovenia	3 035 352	0	1 487	0	824	3 033 041
Sudan	2 647 624	2 100	0	24	324 500	2 321 000
Botswana	2 524 800	0	72 411	55	387 961	2 064 373
Montenegro	2 421 801	0	33 128	0	0	1 862 150
Tajikistan	2 333 021	0	169 129	21	61 671	2 102 200
Liberia	2 160 014	2 160 000	0	14	0	0
Zambia	2 096 521	81 615	732 589	2	576 200	706 115
Finland	2 073 656	419 388	79 551	55	1 574 662	0
Afghanistan	1 930 461	10 100	0	0	523 961	1 396 400
Slovakia	1 731 030	0	282	0	922 254	808 494
Senegal	1 537 974	251 910	0	14	1 286 050	0
Yemen	1 533 100	0	0	0	70 000	1 463 100
Croatia	1 442 590	0	0	0	341 230	1 086 700
Albania	1 379 939	387 770	4 720	0	115 262	872 187
Namibia	1 350 058	19 200	48 239	15	1 274 366	8 238
Bhutan	1 215 000	650	0	0	1 100 400	113 950
Niger	1 092 267	0	0	3	0	1 092 264
Portugal	1 085 126	400	252 218	89	832 419	0
Ireland	1 002 347	0	60 346	1	110 000	832 000
Suriname	855 248	0	0	18	0	855 230
Cyprus	793 351	0	0	0	793 351	0
Iceland	757 904	0	752 904	0	5 000	0
Bahamas	712 420	0	0	0	712 420	0
Switzerland	703 183	0	0	0	703 183	0
Guatemala	641 504	20 300	25	0	279 179	342 000
Madagascar	581 090	381 972	4 020	2	195 096	0
Georgia	572 653	212 300	4 395	29	156 200	199 729
Togo	561 474	0	0	4	561 470	0
Eritrea	480 476	0	134 424	52	346 000	0
Dominican Republic	402 505	17 875	20 510	70	364 050	0
Eswatini	393 328	0	0	0	0	393 328
Ethiopia	366 360	355	0	5	366 000	0
Panama	360 956	0	330 863	89	30 004	0
Latvia	348 070	0	0	0	348 070	0
Taiwan	308 145	0	0	0	233 945	74 200
Kenya	299 143	214 080	0	0	85 063	0
Uganda	249 921	216 720	0	0	33 201	0
New Caledonia	235 675	235 675	0	0	0	0
Sri Lanka	191 549	31 665	0	0	159 884	0
Moldova	185 116	0	0	0	180 800	4 316
Honduras	182 334	0	42 300	34	140 000	0
Armenia	163 625	11 116	73 903	16	78 590	0
Christmas Island	141 900	0	0	0	141 900	0
Nicaragua	103 159	0	0	49	103 110	0
Cambodia	81 158	0	0	4	81 154	0
Lithuania	79 313	0	0	0	54 538	24 775
Malawi	64 631	380	0	0	0	64 251
Nauru	54 400	0	0	0	54 400	0
El Salvador	30 000	0	0	0	30 000	0
Fiji	27 302	27 300	0	2	0	0
Barbados	26 200	0	0	0	0	26 200
Uruguay	17 402	910	0	0	16 492	0
Costa Rica	15 001	0	0	1	15 000	0
Paraguay	10 500	0	0	0	10 500	0
Nepal	6 928	0	0	0	4 123	2 805
Rwanda	5 387	2 155	3 230	2	0	0
Lebanon	3 000	0	0	0	3 000	0
Cape Verde	2 600	0	0	0	2 600	0
Malta	2 000	0	0	0	2 000	0
Belgium	1 219	0	1 219	0	0	0
Solomon Islands	1 052	1 050	0	2	0	0

Benin	500	0	0	0	500	0
Mauritius	249	0	0	0	249	0
Burundi	156	72	83	1	0	0
Mali	76	0	0	76	0	0
Burkina Faso	65	0	0	65	0	0
Central African Republic	2	0	0	2	0	0
French Guiana	1	0	0	1	0	0
Total	19 581 483 753	1 610 254 408	111 736 977	30 325	844 281 165	16 624 278 282

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	942 711	41 092	133 818	26 166	35 830	703 315
United States	753 534	5 717	14 414	11 943	11 797	709 662
Russia	504 280	13 311	18 678	25 454	15 098	431 478
Saudi Arabia	338 393	42	2 240	848	2 033	333 005
Canada	249 757	8 411	12 024	13 121	19 647	196 554
Australia	223 379	80 471	22 087	19 288	3 022	94 749
India	201 551	37 963	12 290	645	8 709	141 057
Indonesia	171 809	44 379	9 543	6 120	830	110 561
Iran	167 799	5 999	4 875	607	2 234	154 051
Brazil	166 747	42 181	7 279	5 505	3 038	107 527
South Africa	148 567	101 382	2 650	17 395	1 219	25 919
Iraq	129 839	0	0	0	52	129 787
United Arab Emirates	117 916	0	6 001	0	372	111 543
Kazakhstan	111 010	20 193	6 852	8 867	1 117	73 807
Mexico	92 368	3 685	9 400	13 707	1 989	63 587
Kuwait	89 415	0	0	0	76	89 339
Norway	71 967	450	2 982	0	17	68 518
Qatar	61 800	0	1 453	0	180	60 167
Chile	58 935	3 770	48 942	3 185	2 827	212
Nigeria	48 961	90	424	165	55	48 228
Algeria	48 080	112	1	9	304	47 654
Peru	46 391	3 379	28 701	8 594	885	4 832
Colombia	38 330	962	51	3 895	98	33 324
Oman	38 085	1 535	897	0	165	35 489
Libya	36 901	0	0	0	19	36 882
Angola	33 712	8	0	3	39	33 663
Congo, D.R.	32 416	4 924	24 638	2 159	0	696
Venezuela	30 182	293	23	562	115	29 155
Argentina	28 358	0	1 782	3 014	380	23 181
Türkiye	27 242	13 386	1 952	2 336	4 625	4 832
Malaysia	25 677	680	2 252	104	71	22 548
Egypt	25 249	7	699	874	465	23 203
United Kingdom	24 379	0	66	8	728	23 577
Azerbaijan	21 833	0	101	170	30	21 531
Mongolia	19 541	513	2 838	983	213	14 994
Ecuador	16 541	0	1 074	1 132	0	14 335
Gabon	15 509	8 642	0	80	0	6 788
Uzbekistan	15 006	41	1 407	6 873	489	6 197
Ghana	14 188	1 715	109	7 846	21	4 461
Poland	13 932	16	3 428	1 021	580	8 887
Philippines	13 697	8 908	534	1 974	33	2 248
Vietnam	13 207	820	592	61	496	11 094
Guyana	12 879	235	0	839	0	11 785
Turkmenistan	12 684	0	0	0	364	12 320

Zimbabwe	11 082	5 310	1 393	3 683	7	689
Bahrain	10 689	0	3 656	0	8	7 025
Germany	10 262	10	437	6	5 792	4 017
Guinea	9 398	0	0	4 722	0	0
Belarus	9 220	0	0	0	8 297	923
Bolivia	8 531	65	2 101	3 927	282	2 157
Pakistan	8 330	649	271	0	605	6 803
Congo, Rep.	8 305	2	135	9	0	8 158
Ukraine	7 754	2 862	0	0	115	4 776
Thailand	7 578	27	1	61	623	6 865
Mozambique	7 523	1 936	1 215	104	416	3 852
Zambia	6 786	321	6 220	134	34	78
Papua New Guinea	6 367	1 512	768	2 697	0	1 390
Cote d'Ivoire	6 063	1 727	0	3 198	0	1 134
Finland	5 993	4 754	331	645	263	0
Israel	5 406	0	0	0	3 204	2 202
New Caledonia	5 101	5 101	0	0	0	0
Laos	4 837	244	525	534	2 742	782
Sweden	4 700	2 295	1 616	763	25	0
Mali	4 536	0	0	4 536	0	0
Jordan	4 480	0	0	0	3 337	1 143
South Sudan	4 400	0	0	0	0	4 400
Albania	4 395	3 937	40	0	4	414
Trinidad and Tobago	4 283	0	0	0	0	4 283
Morocco	4 167	137	456	181	3 388	6
Tanzania	4 115	4	42	3 431	59	576
Chad	4 032	0	0	0	0	4 032
Serbia	3 884	0	2 072	439	45	1 329
Myanmar	3 874	572	1 487	32	39	1 745
Romania	3 776	6	525	45	193	3 007
Brunei	3 620	0	0	0	0	3 620
Burkina Faso	3 587	0	0	3 587	0	0
Italy	3 358	0	0	0	521	2 836
Panama	3 129	0	2 809	316	4	0
Equatorial Guinea	3 061	0	0	0	0	3 061
Korea, North	3 019	278	145	662	53	1 881
Spain	2 985	27	1 243	167	1 545	3
Sudan	2 902	21	0	1 450	27	1 404
Bulgaria	2 730	6	1 121	596	460	546
Cuba	2 641	944	250	0	30	1 417
Bangladesh	2 634	0	0	0	312	2 322
New Zealand	2 633	178	753	432	18	1 253
Mauritania	2 468	1 099	110	1 257	1	0
Cameroon	2 344	0	140	27	0	2 177
Namibia	2 095	28	147	616	169	1 135
France	2 082	0	810	0	912	356
Denmark	2 033	0	0	0	145	1 888
Kyrgyzstan	1 974	0	60	1 548	4	362
Netherlands	1 943	0	3	0	684	1 256
Madagascar	1 854	1 558	21	125	150	0
Estonia	1 777	0	0	0	0	1 777
Tunisia	1 773	16	6	0	553	1 198
Iceland	1 699	0	1 699	0	1	0
Dominican Republic	1 645	385	111	1 141	8	0
Suriname	1 632	0	0	1 115	0	517
Senegal	1 565	275	0	804	485	0
Czechia	1 546	0	0	0	465	1 080
Syria	1 433	0	0	0	100	1 334
Tajikistan	1 400	0	568	585	7	240
Armenia	1 273	604	591	70	8	0
Greece	1 240	0	490	163	255	296
Portugal	1 114	13	926	67	108	0

Liberia	1 111	259	0	852	0	0
Japan	1 068	0	54	260	356	398
Sierra Leone	998	882	0	10	54	0
Botswana	958	0	615	62	54	227
Hungary	943	0	0	0	10	933
Niger	906	0	0	158	0	748
Yemen	885	0	0	0	7	877
Nicaragua	868	0	0	860	8	0
Georgia	836	418	37	330	9	41
Austria	808	149	0	0	320	339
Korea, South	805	170	66	4	492	71
Bosnia-Herzegovina	770	77	181	0	172	320
Eritrea	700	0	459	196	45	0
Guatemala	625	437	0	0	8	180
Togo	407	0	0	225	182	0
Croatia	397	0	0	0	11	385
North Macedonia	394	0	235	50	7	102
Afghanistan	358	102	0	0	101	154
Rwanda	350	141	84	125	0	0
Kenya	341	265	0	26	50	0
Ethiopia	283	25	0	219	39	0
Honduras	268	0	106	152	10	0
Ireland	253	0	156	1	1	94
Cambodia	231	0	0	220	11	0
Jamaica	230	0	0	0	2	0
Kosovo	189	0	16	0	0	173
Slovakia	188	0	1	31	131	25
Montenegro	144	0	77	0	0	47
Solomon Islands	134	23	0	112	0	0
Bahamas	100	0	0	0	100	0
Central African Republic	97	0	0	97	0	0
Slovenia	80	0	3	0	0	76
Burundi	71	3	2	66	0	0
French Guiana	69	0	0	69	0	0
Sri Lanka	61	33	0	0	28	0
Costa Rica	59	0	0	50	9	0
Switzerland	56	0	0	0	56	0
Christmas Island	46	0	0	0	46	0
Eswatini	45	0	0	1	0	43
Fiji	38	3	0	34	0	0
Uganda	33	27	0	0	6	0
Taiwan	32	0	0	0	23	9
Bhutan	26	0	0	0	13	13
Cyprus	19	0	0	0	19	0
Lithuania	18	0	0	0	3	15
Nauru	18	0	0	0	18	0
Belgium	15	0	15	0	0	0
Barbados	12	0	0	0	0	12
Malawi	11	0	0	4	0	7
Moldova	5	0	0	0	2	3
El Salvador	4	0	0	0	4	0
Latvia	4	0	0	0	4	0
Uruguay	2	0	0	0	2	0
Nepal	2	0	0	0	1	0
Paraguay	1	0	0	0	1	0
Total	5 533 187	495 233	424 498	243 643	159 179	4 195 779

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

6.2.1 Iron and Ferro-Alloy Metals

Commodity	2019	2020	2021	2022	2023	Change 19/23 in %
in metr. t						
Iron	1 498 433 420	1 473 438 813	1 534 698 693	1 513 023 230	1 561 947 990	4.24
Chromium	15 779 216	11 969 552	14 909 158	14 722 736	14 536 362	-7.88
Cobalt	124 430	129 683	132 625	164 901	197 475	58.70
Manganese	21 164 890	19 623 934	20 577 778	20 277 808	20 226 171	-4.44
Molybdenum	277 180	284 871	270 710	265 129	291 683	5.23
Nickel	2 694 896	2 495 190	2 859 928	3 237 732	3 689 247	36.90
Niobium	134 961	93 508	121 909	117 705	117 875	-12.66
Tantalum	1 645	1 705	1 760	1 931	2 110	28.27
Titanium	7 994 529	8 504 299	8 616 201	8 902 059	9 044 885	13.14
Tungsten	88 859	85 091	88 859	85 761	83 785	-5.71
Vanadium	98 723	105 776	110 269	115 271	116 825	18.34

6.2.2 Non-Ferrous Metals

Commodity	2019	2020	2021	2022	2023	Change 19/23 in %
in metr. t						
Aluminium	63 230 201	65 404 146	67 481 563	68 817 370	70 659 931	11.75
Antimony	134 659	120 311	92 370	83 299	103 750	-22.95
Arsenic	55 243	52 298	55 700	57 404	64 402	16.58
Bauxite	363 687 031	379 030 232	376 445 359	398 266 374	390 902 596	7.48
Beryllium	5 927	6 240	6 561	6 975	7 642	28.94
Bismuth	9 033	9 513	11 116	10 276	10 110	11.92
Cadmium	25 089	25 540	25 528	22 611	24 226	-3.44
Copper	20 633 412	21 080 357	21 449 563	22 013 773	22 458 973	8.85
Gallium	374	304	431	616	713	90.64
Germanium	95	96	142	139	163	71.58
Indium	918	944	917	997	978	6.54
Lead	4 896 049	4 692 777	4 597 548	4 691 012	4 704 599	-3.91
Lithium	192 108	187 000	234 726	353 195	499 954	160.25
Mercury	2 324	2 308	1 810	1 015	1 063	-54.26
Rare Earths	203 665	229 892	269 503	299 417	385 321	89.19
Rhenium	44	38	41	52	73	65.91
Selenium	3 631	3 397	3 816	3 829	3 993	9.97
Tellurium	529	459	742	681	692	30.81
Tin	294 333	277 707	263 606	287 587	288 806	-1.88
Zinc	12 990 498	12 697 927	12 856 622	12 737 910	12 521 588	-3.61

6.2.3 Precious Metals

Commodity	2019	2020	2021	2022	2023	Change 19/23 in %
	in kg					
Gold	3 313 849	3 202 740	3 220 656	3 297 464	3 266 418	-1.43
Palladium	224 007	189 369	212 773	195 453	205 535	-8.25
Platinum	186 825	162 158	189 160	171 734	178 795	-4.30
Rhodium	23 734	20 640	24 409	22 553	22 835	-3.79
Silver	28 132 515	26 517 027	26 654 852	26 642 839	26 643 145	-5.29

6.2.4 Industrial Minerals

Commodity	2019	2020	2021	2022	2023	Change 19/23 in %
	in metr. t (Diamonds in ct)					
Asbestos	1 137 505	1 132 268	1 302 356	1 258 165	1 238 640	8.89
Baryte	9 510 043	7 841 612	8 362 523	8 111 701	8 906 343	-6.35
Bentonite	21 808 546	18 924 776	18 751 902	18 618 307	19 276 083	-11.61
Boron	4 293 276	3 601 490	4 922 768	5 346 095	4 791 966	11.62
Diam. (Gem)	79 229 838	62 234 568	74 724 754	77 242 516	72 336 225	-8.70
Diam. (Ind)	57 116 250	45 274 222	43 173 921	43 451 171	38 981 899	-31.75
Diatomite	2 299 083	2 198 777	2 616 327	2 571 961	2 456 129	6.83
Feldspar	31 001 138	29 846 115	36 068 557	39 713 470	34 225 456	10.40
Fluorspar	7 004 731	7 146 223	8 440 580	8 367 825	8 679 037	23.90
Graphite	1 616 698	1 390 846	1 650 440	1 734 673	1 656 698	2.47
Gypsum	200 869 534	201 731 563	211 764 948	215 322 095	214 771 000	6.92
Kaolin	44 211 505	42 658 021	44 419 909	44 486 310	45 349 144	2.57
Magnesite	27 338 804	28 254 847	28 048 939	26 262 727	22 756 966	-16.76
Perlite	2 856 022	3 161 381	3 844 560	3 186 609	3 064 316	7.29
Phosphates	68 656 060	67 643 460	72 280 440	71 083 820	71 398 340	3.99
Potash	42 215 857	44 749 692	46 333 692	39 772 601	45 048 272	6.71
Salt	291 338 681	267 595 817	267 308 582	280 030 485	268 982 276	-7.67
Sulfur	81 997 309	79 339 055	78 586 878	82 165 519	82 745 314	0.91
Talc	7 758 219	6 782 317	7 754 434	7 754 330	7 142 897	-7.93
Vermiculite	434 921	426 638	467 360	501 378	467 869	7.58
Zircon	1 417 320	1 249 168	1 493 078	1 411 763	1 324 397	-6.56

6.2.5 Mineral Fuels

Commodity	2019	2020	2021	2022	2023	Change 19/23 in %
	in metr. t (Nat. Gas in Mio m ³)					
Steam Coal	5 956 304 228	5 726 903 170	6 073 394 123	6 713 790 820	7 019 162 249	17.84
Coking Coal	1 058 032 216	1 036 290 098	1 031 500 586	1 049 228 048	1 075 305 187	1.63
Hard Coal (Tot)	7 014 336 444	6 763 193 268	7 104 894 709	7 763 018 868	8 094 467 436	15.40
Lignite	734 488 961	637 327 140	681 884 781	730 715 184	633 385 466	-13.77
Coal (Tot)	7 748 825 405	7 400 520 408	7 786 779 490	8 493 734 052	8 727 852 902	12.63
Petroleum	4 506 114 913	4 214 605 861	4 263 689 054	4 452 445 737	4 546 738 152	0.90
Nat. Gas	4 081 975	3 971 540	4 128 643	4 138 326	4 159 174	1.89
Oil Sands*	176 766 200	167 943 300	182 104 200	188 263 400	193 858 800	9.67
Oil Shales	16 628 394	13 054 894	12 674 826	15 880 441	22 280 683	33.99
Uranium	64 278	55 718	55 981	58 510	67 345	4.77

*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)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	654 833 302	653 447 689	659 971 173	748 572 879	753 968 823
Developing C.	703 874 828	677 289 904	731 062 800	747 427 591	788 284 177
Least Developed C.	11 396 940	12 222 140	15 099 120	17 022 760	19 694 990
Transition C.	128 328 350	130 479 080	128 565 600	0	0
Total	1 498 433 420	1 473 438 813	1 534 698 693	1 513 023 230	1 561 947 990
Annual per capita income:					
High Income	663 762 546	663 959 955	671 472 977	683 253 950	745 627 123
Upper Middle Income	612 055 184	574 807 258	595 203 096	593 265 950	623 095 957
Lower Middle Income	217 741 340	229 684 390	261 690 230	227 606 580	183 043 270
Low Income	4 874 350	4 987 210	6 332 390	8 896 750	10 181 640
Total	1 498 433 420	1 473 438 813	1 534 698 693	1 513 023 230	1 561 947 990
Political stability:					
Stable	1 915 000	2 260 000	2 200 000	2 280 000	1 480 000
Fair	672 988 446	670 654 635	679 376 007	689 134 240	698 342 363
Unstable	736 492 634	765 484 778	816 462 726	759 922 520	804 927 477
Extreme Unstable	87 037 340	35 039 400	36 659 960	61 686 470	57 198 150
Total	1 498 433 420	1 473 438 813	1 534 698 693	1 513 023 230	1 561 947 990
Country groups and economic blocks:					
ACP	58 238 260	47 845 110	59 815 450	56 778 660	58 181 590
ASEAN	7 956 930	9 175 030	10 577 140	8 418 920	7 052 910
BRICS	685 313 732	647 419 336	690 045 482	688 314 334	729 283 479
EC	20 498 770	21 181 540	21 147 830	19 920 770	20 236 110
EFTA	1 069 700	1 014 700	1 057 500	1 109 400	1 166 600
G7	64 098 900	61 298 300	65 169 700	63 942 500	68 131 400
MERCOSUR	257 404 732	247 049 876	269 442 192	261 504 954	276 433 789
NAFTA/USMCA	74 336 070	71 977 400	78 512 800	74 819 800	82 229 500
OECD	682 626 006	687 899 815	694 694 037	704 886 650	716 408 643
SADC	47 074 610	36 207 780	46 897 360	40 809 070	40 507 380

Chromium (Cr₂O₃ - Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	504 010	471 410	472 890	996 710	912 710
Developing C.	12 238 456	9 107 992	12 109 908	13 694 276	13 577 552
Least Developed C.	45 750	12 600	15 300	31 750	46 100
Transition C.	2 991 000	2 377 550	2 311 060	0	0
Total	15 779 216	11 969 552	14 909 158	14 722 736	14 536 362
Annual per capita income:					
High Income	797 050	654 130	668 430	566 460	676 310
Upper Middle Income	12 261 606	9 239 552	11 446 338	11 731 176	11 646 822
Lower Middle Income	2 674 810	2 063 270	2 779 090	2 393 350	2 167 130
Low Income	45 750	12 600	15 300	31 750	46 100
Total	15 779 216	11 969 552	14 909 158	14 722 736	14 536 362
Political stability:					
Stable	0	0	0	0	0
Fair	1 181 250	880 780	919 130	972 560	917 090
Unstable	12 901 116	10 930 362	13 839 658	13 520 786	13 459 202
Extreme Unstable	1 696 850	158 410	150 370	229 390	160 070
Total	15 779 216	11 969 552	14 909 158	14 722 736	14 536 362
Country groups and economic blocks:					
ACP	8 227 090	6 128 020	8 299 880	8 456 390	8 559 350
ASEAN	14 570	14 040	12 290	34 870	40 780
BRICS	9 618 106	7 220 902	9 993 138	9 921 176	9 877 022
EC	504 010	471 410	472 890	391 410	376 390
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	199 256	226 762	248 108	218 626	193 532
NAFTA/USMCA	0	0	0	0	0
OECD	2 032 710	1 558 810	1 700 790	1 533 710	1 528 590
SADC	8 141 630	6 057 960	8 234 150	8 372 200	8 486 850

Cobalt

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	12 739	11 859	10 919	20 263	18 834
Developing C.	19 459	20 384	18 337	25 587	35 207
Least Developed C.	82 832	87 740	95 369	119 051	143 434
Transition C.	9 400	9 700	8 000	0	0
Total	124 430	129 683	132 625	164 901	197 475

Annual per capita income:

High Income	14 442	14 056	12 419	12 833	21 134
Upper Middle Income	17 692	16 974	14 488	24 729	24 643
Lower Middle Income	10 735	11 229	10 349	8 540	8 471
Low Income	81 561	87 424	95 369	118 799	143 227
Total	124 430	129 683	132 625	164 901	197 475

Political stability:

Stable	0	0	0	0	0
Fair	16 539	15 759	14 966	14 915	13 441
Unstable	29 112	27 333	24 648	34 615	44 194
Extreme Unstable	78 779	86 591	93 011	115 371	139 840
Total	124 430	129 683	132 625	164 901	197 475

Country groups and economic blocks:

ACP	90 976	96 434	102 777	126 099	150 470
ASEAN	4 100	4 600	5 300	13 000	21 500
BRICS	13 427	12 824	10 398	11 209	11 643
EC	1 454	1 559	1 084	1 235	1 057
EFTA	0	0	0	0	0
G7	5 539	4 669	4 603	4 034	3 760
MERCOSUR	0	27	43	9	165
NAFTA/USMCA	5 539	4 669	4 603	4 034	3 760
OECD	12 854	12 109	11 209	13 153	12 734
SADC	84 261	89 593	96 022	119 512	144 198

Manganese

	2019	2020	2021	2022	2023
	metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	3 268 490	3 365 950	3 290 760	3 446 000	3 135 400
Developing C.	16 357 470	14 883 004	15 970 568	16 505 328	16 768 361
Least Developed C.	445 630	281 580	297 150	326 480	322 410
Transition C.	1 093 300	1 093 400	1 019 300	0	0
Total	21 164 890	19 623 934	20 577 778	20 277 808	20 226 171

Annual per capita income:

High Income	3 280 990	3 360 700	3 280 760	3 153 700	3 068 470
Upper Middle Income	13 681 680	12 974 184	13 731 948	13 902 318	14 204 971
Lower Middle Income	4 199 440	3 288 050	3 498 760	3 216 410	2 952 130
Low Income	2 780	1 000	66 310	5 380	600
Total	21 164 890	19 623 934	20 577 778	20 277 808	20 226 171

Political stability:

Stable	0	0	0	0	0
Fair	5 385 640	4 406 450	4 576 160	8 082 950	3 168 760
Unstable	14 570 040	14 892 874	15 669 698	11 524 928	16 529 541
Extreme Unstable	1 209 210	324 610	331 920	669 930	527 870
Total	21 164 890	19 623 934	20 577 778	20 277 808	20 226 171

Country groups and economic blocks:

ACP	11 643 290	10 987 658	12 765 530	13 223 630	13 067 630
ASEAN	1 036 215	764 610	673 890	675 140	535 290
BRICS	10 183 974	9 047 089	9 485 574	9 365 304	9 817 883
EC	9 290	8 450	13 300	15 000	6 250
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	1 452 034	932 721	598 424	559 504	849 783
NAFTA/USMCA	232 957	258 045	225 703	220 745	225 211
OECD	3 532 057	4 181 355	3 918 103	3 674 605	3 652 011
SADC	6 484 810	6 062 228	7 163 010	7 207 010	7 148 860

Molybdenum

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	47 986	55 080	43 380	37 790	37 820
Developing C.	219 010	215 050	213 294	227 339	253 863
Least Developed C.	0	0	0	0	0
Transition C.	10 184	14 741	14 036	0	0
Total	277 180	284 871	270 710	265 129	291 683

Annual per capita income:

High Income	103 011	114 872	92 807	82 017	81 938
Upper Middle Income	170 349	162 732	169 824	172 947	208 682
Lower Middle Income	3 290	7 167	7 979	9 545	713
Low Income	530	100	100	620	350
Total	277 180	284 871	270 710	265 129	291 683

Political stability:

Stable	0	0	0	0	0
Fair	105 501	117 762	95 782	84 797	83 388
Unstable	167 519	163 573	170 778	174 352	200 395
Extreme Unstable	4 160	3 536	4 150	5 980	7 900
Total	277 180	284 871	270 710	265 129	291 683

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	106 659	97 677	104 291	108 950	122 700
EC	0	0	0	0	0
EFTA	1	1	1	1	0
G7	47 985	55 079	42 971	35 746	35 171
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	69 679	75 656	62 865	55 075	63 484
OECD	124 705	135 449	112 701	101 346	109 051
SADC	0	0	0	0	0

Nickel

	2019	2020	2021	2022	2023
	metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	404 932	405 787	376 444	570 033	547 518
Developing C.	1 999 408	1 809 825	2 221 502	2 618 416	3 091 646
Least Developed C.	50 436	34 668	51 057	49 283	50 083
Transition C.	240 120	244 910	210 925	0	0
Total	2 694 896	2 495 190	2 859 928	3 237 732	3 689 247

Annual per capita income:

High Income	613 117	605 162	562 728	542 214	780 313
Upper Middle Income	1 647 978	639 248	612 170	2 224 706	2 379 023
Lower Middle Income	400 065	1 240 872	1 652 073	435 075	493 826
Low Income	33 736	9 908	32 957	35 737	36 085
Total	2 694 896	2 495 190	2 859 928	3 237 732	3 689 247

Political stability:

Stable	0	0	0	0	0
Fair	481 342	477 552	456 025	420 002	400 481
Unstable	2 194 614	1 995 638	2 385 803	2 808 130	3 283 666
Extreme Unstable	18 940	22 000	18 100	9 600	5 100
Total	2 694 896	2 495 190	2 859 928	3 237 732	3 689 247

Country groups and economic blocks:

ACP	213 038	185 940	210 891	217 111	218 706
ASEAN	1 373 725	1 167 611	1 577 659	1 948 200	2 425 000
BRICS	437 678	445 053	414 536	443 703	423 848
EC	56 525	51 409	47 673	47 451	42 691
EFTA	135	120	350	190	220
G7	189 521	184 914	177 545	139 615	143 637
MERCOSUR	55 761	68 097	75 988	79 370	72 398
NAFTA/USMCA	189 521	184 914	177 545	139 615	143 637
OECD	409 672	486 687	458 494	630 734	667 643
SADC	96 597	64 056	81 018	82 976	91 467

Niobium (Nb₂O₅-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	6 800	6 400	7 650	7 349	7 205
Developing C.	126 831	85 682	112 925	109 472	109 748
Least Developed C.	671	809	686	884	922
Transition C.	659	617	648	0	0
Total	134 961	93 508	121 909	117 705	117 875

Annual per capita income:

High Income	6 800	6 400	7 650	6 800	7 205
Upper Middle Income	127 320	86 219	113 433	109 876	109 563
Lower Middle Income	170	80	140	145	185
Low Income	671	809	686	884	922
Total	134 961	93 508	121 909	117 705	117 875

Political stability:

Stable	0	0	0	0	0
Fair	7 005	6 560	7 810	6 995	7 010
Unstable	127 334	86 271	113 442	109 879	110 069
Extreme Unstable	622	677	657	831	796
Total	134 961	93 508	121 909	117 705	117 875

Country groups and economic blocks:

ACP	841	889	826	1 029	1 107
ASEAN	0	0	0	0	0
BRICS	127 320	86 219	113 433	109 876	110 068
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	6 800	6 400	7 650	6 800	6 700
MERCOSUR	126 641	85 572	112 755	109 287	109 520
NAFTA/USMCA	6 800	6 400	7 650	6 800	6 700
OECD	6 800	6 400	7 650	6 800	6 700
SADC	444	582	489	661	576

Tantalum (Ta₂O₅-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	98	66	89	103	108
Developing C.	607	569	692	599	671
Least Developed C.	908	1 010	940	1 229	1 331
Transition C.	32	60	39	0	0
Total	1 645	1 705	1 760	1 931	2 110

Annual per capita income:

High Income	98	66	89	79	108
Upper Middle Income	509	541	570	470	480
Lower Middle Income	130	88	161	153	191
Low Income	908	1 010	940	1 229	1 331
Total	1 645	1 705	1 760	1 931	2 110

Political stability:

Stable	0	0	0	0	0
Fair	415	307	335	383	553
Unstable	592	577	606	491	535
Extreme Unstable	638	821	819	1 057	1 022
Total	1 645	1 705	1 760	1 931	2 110

Country groups and economic blocks:

ACP	1 028	1 090	1 100	1 379	1 521
ASEAN	2	1	1	4	4
BRICS	507	540	569	466	510
EC	18	16	19	19	24
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	340	300	350	350	380
NAFTA/USMCA	0	0	0	0	0
OECD	98	66	89	79	74
SADC	519	694	580	817	712

Titanium (TiO₂-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 641 745	1 640 580	1 637 130	1 851 440	1 658 970
Developing C.	4 239 824	4 712 719	4 525 681	4 920 871	4 865 165
Least Developed C.	1 485 310	1 582 270	1 941 290	2 129 748	2 520 750
Transition C.	627 650	568 730	512 100	0	0
Total	7 994 529	8 504 299	8 616 201	8 902 059	9 044 885

Annual per capita income:

High Income	1 804 535	1 798 920	1 637 130	1 690 240	1 511 270
Upper Middle Income	3 534 154	3 967 859	3 875 236	4 300 941	4 532 620
Lower Middle Income	1 451 560	1 446 990	1 472 855	1 066 128	720 205
Low Income	1 204 280	1 290 530	1 630 980	1 844 750	2 280 790
Total	7 994 529	8 504 299	8 616 201	8 902 059	9 044 885

Political stability:

Stable	0	0	0	0	0
Fair	2 205 175	1 805 200	1 650 600	1 711 420	1 522 880
Unstable	5 214 294	5 820 099	5 831 941	5 624 869	5 510 605
Extreme Unstable	575 060	879 000	1 133 660	1 565 770	2 011 400
Total	7 994 529	8 504 299	8 616 201	8 902 059	9 044 885

Country groups and economic blocks:

ACP	2 811 970	2 788 680	3 095 500	3 456 738	3 714 830
ASEAN	119 674	146 124	169 506	177 391	130 100
BRICS	3 661 350	4 132 540	4 062 150	4 404 900	4 490 210
EC	0	0	0	0	0
EFTA	211 280	229 780	295 610	252 990	290 660
G7	650 000	580 000	540 000	740 000	570 000
MERCOSUR	81 650	61 940	75 100	53 000	79 220
NAFTA/USMCA	650 000	580 000	540 000	740 000	570 000
OECD	1 810 665	1 805 375	1 644 210	1 697 100	1 507 280
SADC	2 103 100	2 104 600	2 381 600	2 733 500	3 148 300

Tungsten (W-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	1 854	1 787	2 263	3 780	4 100
Developing C.	82 725	79 611	82 569	80 060	77 778
Least Developed C.	1 747	1 359	1 844	1 921	1 907
Transition C.	2 533	2 334	2 183	0	0
Total	88 859	85 091	88 859	85 761	83 785

Annual per capita income:

High Income	1 854	1 787	2 263	1 934	4 100
Upper Middle Income	77 726	74 075	71 212	67 878	66 670
Lower Middle Income	6 532	7 540	13 530	12 538	9 538
Low Income	2 747	1 689	1 854	3 411	3 477
Total	88 859	85 091	88 859	85 761	83 785

Political stability:

Stable	0	0	0	0	0
Fair	8 160	2 812	3 928	3 780	4 044
Unstable	80 144	81 899	84 633	81 751	79 267
Extreme Unstable	555	380	298	230	474
Total	88 859	85 091	88 859	85 761	83 785

Country groups and economic blocks:

ACP	1 669	1 327	1 836	1 961	1 903
ASEAN	4 968	6 107	11 833	10 907	7 962
BRICS	77 689	73 986	71 104	67 768	68 014
EC	1 824	1 687	2 103	1 754	1 930
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	306	262	301	302	284
NAFTA/USMCA	15	32	50	50	50
OECD	1 869	1 819	2 313	1 984	2 400
SADC	297	146	122	166	418

Vanadium (V-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	460	17	0	21 000	20 000
Developing C.	79 883	86 226	90 211	94 271	96 825
Least Developed C.	0	0	0	0	0
Transition C.	18 380	19 533	20 058	0	0
Total	98 723	105 776	110 269	115 271	116 825

Annual per capita income:

High Income	460	17	0	0	20 000
Upper Middle Income	98 187	105 659	110 169	115 221	96 775
Lower Middle Income	76	100	100	50	50
Low Income	0	0	0	0	0
Total	98 723	105 776	110 269	115 271	116 825

Political stability:

Stable	0	0	0	0	0
Fair	460	17	0	0	0
Unstable	98 263	105 759	110 269	115 271	116 825
Extreme Unstable	0	0	0	0	0
Total	98 723	105 776	110 269	115 271	116 825

Country groups and economic blocks:

ACP	8 062	8 584	8 799	8 872	8 667
ASEAN	0	0	0	0	0
BRICS	98 263	105 759	110 269	115 271	116 825
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	460	17	0	0	0
MERCOSUR	7 045	7 582	7 212	7 249	6 508
NAFTA/USMCA	460	17	0	0	0
OECD	460	17	0	0	0
SADC	8 062	8 584	8 799	8 872	8 667

6.3.2 Non-Ferrous Metals

Aluminium

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	9 986 053	10 117 338	10 087 696	13 453 067	13 178 340
Developing C.	48 282 385	50 371 450	52 414 599	54 777 103	56 965 107
Least Developed C.	564 756	571 125	564 756	587 200	516 484
Transition C.	4 397 007	4 344 233	4 414 512	0	0
Total	63 230 201	65 404 146	67 481 563	68 817 370	70 659 931
Annual per capita income:					
High Income	15 723 534	15 723 864	15 767 886	15 123 326	18 919 211
Upper Middle Income	42 803 164	44 394 140	45 992 590	48 017 702	46 610 593
Lower Middle Income	4 037 947	4 715 017	5 156 331	5 089 142	4 613 643
Low Income	665 556	571 125	564 756	587 200	516 484
Total	63 230 201	65 404 146	67 481 563	68 817 370	70 659 931
Political stability:					
Stable	1 034 097	1 025 303	1 028 992	335 871	333 869
Fair	13 389 301	13 643 630	13 944 492	13 563 786	13 403 536
Unstable	48 391 587	49 667 967	51 313 968	53 644 333	55 728 890
Extreme Unstable	415 216	1 067 246	1 194 111	1 273 380	1 193 636
Total	63 230 201	65 404 146	67 481 563	68 817 370	70 659 931
Country groups and economic blocks:					
ACP	1 394 614	1 387 341	1 365 295	1 423 562	1 342 978
ASEAN	993 457	1 200 789	1 101 577	1 183 774	1 164 930
BRICS	44 258 289	46 030 537	47 914 400	49 731 000	51 871 900
EC	2 090 562	2 024 431	1 987 871	1 318 847	1 046 474
EFTA	1 994 616	2 031 319	2 126 040	2 154 965	2 074 133
G7	4 928 987	5 127 083	5 030 256	4 667 374	4 600 335
MERCOSUR	1 098 634	1 004 900	1 148 279	1 219 368	1 472 633
NAFTA/USMCA	3 979 803	4 145 327	4 044 550	3 906 236	4 024 901
OECD	9 783 827	9 925 631	9 873 497	9 147 448	8 949 659
SADC	1 281 756	1 288 125	1 278 756	1 305 200	1 232 484

Antimony

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	2 034	3 905	3 382	6 685	34 335
Developing C.	76 164	67 784	51 568	73 134	66 575
Least Developed C.	4 870	6 600	3 110	3 480	2 840
Transition C.	51 591	42 022	34 310	0	0
Total	134 659	120 311	92 370	83 299	103 750
Annual per capita income:					
High Income	2 034	3 905	3 382	2 294	34 335
Upper Middle Income	94 677	81 683	56 303	55 142	47 372
Lower Middle Income	8 048	34 723	32 685	25 863	22 043
Low Income	29 900	0	0	0	0
Total	134 659	120 311	92 370	83 299	103 750
Political stability:					
Stable	0	0	0	0	0
Fair	2 500	3 905	3 622	2 544	2 340
Unstable	123 214	108 724	83 885	73 635	97 455
Extreme Unstable	8 945	7 682	4 863	7 120	3 955
Total	134 659	120 311	92 370	83 299	103 750
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	5 266	6 912	3 378	3 997	3 234
BRICS	90 093	78 527	51 230	43 391	73 475
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	2	2	2	2	0
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	291	138	415	634	576
OECD	6 138	6 611	8 005	13 566	6 252
SADC	0	0	0	0	0

Arsenic

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 045	1 040	1 040	1 540	1 540
Developing C.	54 096	50 758	53 860	55 864	62 862
Least Developed C.	0	0	0	0	0
Transition C.	102	500	800	0	0
Total	55 243	52 298	55 700	57 404	64 402

Annual per capita income:

High Income	1 045	1 040	1 040	1 040	1 540
Upper Middle Income	49 017	43 514	47 677	50 879	55 162
Lower Middle Income	5 181	7 744	6 983	5 485	7 700
Low Income	0	0	0	0	0
Total	55 243	52 298	55 700	57 404	64 402

Political stability:

Stable	0	0	0	0	0
Fair	1 045	1 040	40	40	40
Unstable	54 198	51 258	55 660	57 364	64 362
Extreme Unstable	0	0	0	0	0
Total	55 243	52 298	55 700	57 404	64 402

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	24 102	24 500	25 800	25 500	24 500
EC	1 000	1 000	1 000	1 000	1 000
EFTA	0	0	0	0	0
G7	45	40	40	40	40
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	0	0	0	0	0
OECD	1 045	1 040	1 040	1 040	1 040
SADC	0	0	0	0	0

Bauxite (crude ore)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	109 092 037	105 209 462	104 651 103	109 620 133	108 158 587
Developing C.	168 718 283	171 721 695	170 775 898	184 154 880	157 980 910
Least Developed C.	73 299 243	89 982 714	88 881 229	104 491 361	124 763 099
Transition C.	12 577 468	12 116 361	12 137 129	0	0
Total	363 687 031	379 030 232	376 445 359	398 266 374	390 902 596

Annual per capita income:

High Income	114 219 037	110 437 389	110 300 103	108 435 633	113 507 646
Upper Middle Income	149 434 254	126 181 933	123 425 969	155 754 970	124 346 455
Lower Middle Income	27 968 527	53 296 081	53 876 200	133 150 844	151 689 306
Low Income	72 065 213	89 114 829	88 843 087	924 927	1 359 189
Total	363 687 031	379 030 232	376 445 359	398 266 374	390 902 596

Political stability:

Stable	0	0	0	0	0
Fair	125 847 524	115 363 767	111 559 262	107 091 971	107 582 739
Unstable	234 612 303	262 516 602	263 874 800	289 377 992	282 383 303
Extreme Unstable	3 227 204	1 149 863	1 011 297	1 796 411	936 554
Total	363 687 031	379 030 232	376 445 359	398 266 374	390 902 596

Country groups and economic blocks:

ACP	85 365 161	99 580 877	96 360 263	110 481 681	132 064 400
ASEAN	21 193 301	30 064 610	29 928 764	32 838 499	14 541 481
BRICS	133 727 827	129 925 348	130 465 836	136 465 100	127 777 286
EC	1 514 225	1 566 211	1 384 699	1 309 068	1 109 598
EFTA	0	0	0	0	0
G7	275 660	139 936	142 764	130 580	168 230
MERCOSUR	31 987 900	32 897 800	33 386 875	32 378 694	32 932 491
NAFTA/USMCA	154 900	16 440	0	12 580	48 230
OECD	111 333 175	107 876 948	107 451 474	105 522 449	103 244 113
SADC	8 024	32 486	45 994	55 504	66 834

Beryllium (concentrates)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	4 050	4 160	4 380	4 330	4 590
Developing C.	1 760	1 762	1 760	2 032	2 124
Least Developed C.	117	318	421	613	928
Transition C.	0	0	0	0	0
Total	5 927	6 240	6 561	6 975	7 642

Annual per capita income:

High Income	4 050	4 160	4 380	4 330	4 590
Upper Middle Income	1 759	1 760	1 760	1 860	1 935
Lower Middle Income	8	4	0	179	195
Low Income	110	316	421	606	922
Total	5 927	6 240	6 561	6 975	7 642

Political stability:

Stable	0	0	0	0	0
Fair	4 070	4 180	4 406	4 357	4 616
Unstable	1 856	1 978	1 825	1 915	1 955
Extreme Unstable	1	82	330	703	1 071
Total	5 927	6 240	6 561	6 975	7 642

Country groups and economic blocks:

ACP	118	320	421	785	1 117
ASEAN	0	0	0	0	0
BRICS	1 759	1 760	1 760	1 860	1 935
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	4 050	4 160	4 380	4 330	4 590
MERCOSUR	9	10	10	10	10
NAFTA/USMCA	4 050	4 160	4 380	4 330	4 590
OECD	4 050	4 160	4 380	4 330	4 590
SADC	82	112	366	558	908

Bismuth

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	544	574	478	480	500
Developing C.	8 241	8 622	10 341	9 796	9 610
Least Developed C.	0	0	0	0	0
Transition C.	248	317	297	0	0
Total	9 033	9 513	11 116	10 276	10 110

Annual per capita income:

High Income	544	574	478	480	500
Upper Middle Income	7 570	7 889	8 542	7 852	8 404
Lower Middle Income	919	1 050	2 096	1 944	1 206
Low Income	0	0	0	0	0
Total	9 033	9 513	11 116	10 276	10 110

Political stability:

Stable	0	0	0	0	0
Fair	1 461	574	478	480	500
Unstable	7 572	8 939	10 638	9 796	9 610
Extreme Unstable	0	0	0	0	0
Total	9 033	9 513	11 116	10 276	10 110

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	917	993	2 067	1 938	1 148
BRICS	7 046	7 545	8 045	7 500	8 000
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	544	574	478	480	500
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	255	4	0	0	0
OECD	795	574	478	480	500
SADC	0	0	0	0	0

Cadmium

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	6 285	6 789	10 672	10 654	11 791
Developing C.	16 354	15 825	11 887	11 957	12 435
Least Developed C.	0	0	0	0	0
Transition C.	2 450	2 926	2 969	0	0
Total	25 089	25 540	25 528	22 611	24 226
Annual per capita income:					
High Income	9 920	10 578	10 329	9 434	11 791
Upper Middle Income	14 769	14 362	14 579	12 574	11 815
Lower Middle Income	250	450	470	453	470
Low Income	150	150	150	150	150
Total	25 089	25 540	25 528	22 611	24 226
Political stability:					
Stable	0	0	0	0	0
Fair	10 235	10 889	10 672	9 749	10 889
Unstable	14 854	14 651	14 856	12 862	13 337
Extreme Unstable	0	0	0	0	0
Total	25 089	25 540	25 528	22 611	24 226
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	11 450	11 076	11 049	9 625	10 002
EC	1 994	2 176	1 939	1 189	1 144
EFTA	370	344	390	420	420
G7	4 337	4 391	4 391	4 112	4 037
MERCOSUR	530	146	50	20	100
NAFTA/USMCA	2 886	2 989	3 092	3 186	3 196
OECD	10 872	11 556	11 380	10 608	11 604
SADC	0	0	0	0	0

Copper

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	3 609 781	3 510 480	3 347 414	4 500 396	4 338 610
Developing C.	12 627 396	12 859 345	13 335 519	14 243 839	14 452 885
Least Developed C.	2 664 817	2 931 610	2 931 671	3 269 538	3 667 478
Transition C.	1 731 418	1 778 922	1 834 959	0	0
Total	20 633 412	21 080 357	21 449 563	22 013 773	22 458 973

Annual per capita income:

High Income	9 497 031	9 202 210	9 265 234	8 990 291	9 729 144
Upper Middle Income	7 719 257	7 418 972	7 470 701	8 725 512	8 618 020
Lower Middle Income	1 929 492	2 722 486	1 936 673	1 884 242	1 250 192
Low Income	1 487 632	1 736 689	2 776 955	2 413 728	2 861 617
Total	20 633 412	21 080 357	21 449 563	22 013 773	22 458 973

Political stability:

Stable	0	0	0	0	0
Fair	10 032 703	9 849 305	10 496 946	10 221 147	9 950 441
Unstable	8 519 893	8 995 065	8 597 825	9 065 155	9 332 018
Extreme Unstable	2 080 816	2 235 987	2 354 792	2 727 471	3 176 514
Total	20 633 412	21 080 357	21 449 563	22 013 773	22 458 973

Country groups and economic blocks:

ACP	2 505 093	2 803 851	2 950 546	3 421 338	3 854 988
ASEAN	812 487	881 949	952 928	1 080 107	1 056 710
BRICS	2 940 204	3 282 952	3 316 841	3 214 296	3 198 078
EC	867 382	860 748	807 012	802 103	778 186
EFTA	0	0	0	0	0
G7	1 817 282	1 781 750	1 739 410	1 739 126	1 614 623
MERCOSUR	363 268	353 258	335 923	297 653	376 338
NAFTA/USMCA	2 530 946	2 582 029	2 521 486	2 567 248	2 393 391
OECD	10 060 062	10 043 528	9 758 484	9 521 270	9 202 907
SADC	2 335 226	2 658 739	2 828 732	3 297 492	3 715 797

Gallium

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	3	3	5	10	12
Developing C.	358	292	420	606	701
Least Developed C.	0	0	0	0	0
Transition C.	13	9	6	0	0
Total	374	304	431	616	713

Annual per capita income:

High Income	5	5	5	5	12
Upper Middle Income	364	295	425	611	701
Lower Middle Income	5	4	1	0	0
Low Income	0	0	0	0	0
Total	374	304	431	616	713

Political stability:

Stable	0	0	0	0	0
Fair	5	5	5	5	6
Unstable	364	299	426	611	707
Extreme Unstable	5			0	0
Total	374	304	431	616	713

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	364	295	425	611	707
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	3	3	3	3	3
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	0	0	0	0	0
OECD	5	5	5	5	6
SADC	0	0	0	0	0

Germanium

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	4	4	4	9	9
Developing C.	85	86	132	130	154
Least Developed C.	0	0	0	0	0
Transition C.	6	6	6	0	0
Total	95	96	142	139	163

Annual per capita income:

High Income	4	4	4	4	9
Upper Middle Income	90	91	137	135	154
Lower Middle Income	1	1	1	0	0
Low Income	0	0	0	0	0
Total	95	96	142	139	163

Political stability:

Stable	0	0	0	0	0
Fair	4	4	4	4	4
Unstable	90	92	138	135	159
Extreme Unstable	1			0	0
Total	95	96	142	139	163

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	90	91	137	135	159
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	4	4	4	4	4
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	2	2	2	2	2
OECD	4	4	4	4	4
SADC	0	0	0	0	0

Indium

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	189	187	358	329	331
Developing C.	722	745	547	668	647
Least Developed C.	0	0	0	0	0
Transition C.	7	12	12	0	0
Total	918	944	917	997	978

Annual per capita income:

High Income	414	397	358	323	331
Upper Middle Income	503	546	558	673	646
Lower Middle Income	1	1	1	1	1
Low Income	0	0	0	0	0
Total	918	944	917	997	978

Political stability:

Stable	0	0	0	0	0
Fair	414	397	338	304	306
Unstable	504	547	579	693	672
Extreme Unstable	0	0	0	0	0
Total	918	944	917	997	978

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	496	539	551	673	652
EC	58	60	58	38	40
EFTA	0	0	0	0	0
G7	169	167	148	124	126
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	61	61	44	39	40
OECD	414	397	358	323	325
SADC	0	0	0	0	0

Lead

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 001 919	1 003 850	970 392	1 178 785	1 195 803
Developing C.	3 455 000	3 313 485	3 227 018	3 494 427	3 486 146
Least Developed C.	35 340	28 890	18 620	17 800	22 650
Transition C.	403 790	346 552	381 518	0	0
Total	4 896 049	4 692 777	4 597 548	4 691 012	4 704 599
Annual per capita income:					
High Income	980 506	985 726	948 664	865 458	1 130 048
Upper Middle Income	3 395 283	3 124 633	3 002 057	3 163 477	3 040 397
Lower Middle Income	442 540	558 418	621 827	637 077	509 154
Low Income	77 720	24 000	25 000	25 000	25 000
Total	4 896 049	4 692 777	4 597 548	4 691 012	4 704 599
Political stability:					
Stable	0	0	0	0	0
Fair	1 075 906	1 060 169	1 039 112	945 740	971 898
Unstable	3 620 143	3 496 614	3 418 659	3 562 486	3 558 613
Extreme Unstable	200 000	135 994	139 777	182 786	174 088
Total	4 896 049	4 692 777	4 597 548	4 691 012	4 704 599
Country groups and economic blocks:					
ACP	108 806	87 038	116 854	137 614	127 761
ASEAN	57 290	48 280	36 155	43 492	46 885
BRICS	2 550 631	2 392 379	2 438 371	2 442 088	2 462 908
EC	212 326	208 809	188 995	181 080	172 841
EFTA	0	0	0	0	0
G7	288 758	300 870	294 380	268 536	265 100
MERCOSUR	35 483	18 951	23 405	26 903	46 017
NAFTA/USMCA	660 714	769 256	566 511	697 407	638 609
OECD	1 412 862	1 524 862	1 302 065	1 366 559	1 332 197
SADC	49 256	36 938	41 354	52 214	51 261

Lithium (Li₂O-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	109 060	90 800	118 480	158 872	211 371
Developing C.	83 005	96 155	116 200	194 303	288 513
Least Developed C.	0	0	0	20	70
Transition C.	43	45	46	0	0
Total	192 108	187 000	234 726	353 195	499 954

Annual per capita income:

High Income	154 000	140 530	183 540	269 190	324 571
Upper Middle Income	35 288	45 530	49 086	80 005	140 103
Lower Middle Income	2 820	940	2 100	4 000	35 267
Low Income	0	0	0	0	13
Total	192 108	187 000	234 726	353 195	499 954

Political stability:

Stable	0	0	0	0	0
Fair	154 000	140 530	196 410	269 190	324 541
Unstable	38 098	46 470	38 296	83 815	174 483
Extreme Unstable	10	0	20	190	930
Total	192 108	187 000	234 726	353 195	499 954

Country groups and economic blocks:

ACP	2 660	860	1 690	3 750	34 900
ASEAN	0	0	0	0	0
BRICS	21 618	32 910	36 216	65 795	121 523
EC	710	280	225	210	380
EFTA	0	0	0	0	0
G7	2 650	1 220	4 655	8 330	6 761
MERCOSUR	16 245	16 685	18 540	22 073	33 803
NAFTA/USMCA	2 650	1 220	4 655	8 330	6 761
OECD	154 000	140 530	183 540	269 190	324 541
SADC	2 650	860	1 670	3 560	33 957

Mercury

	2019	2020	2021	2022	2023
	metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	15	15	15	25	45
Developing C.	2 148	2 065	1 442	990	1 018
Least Developed C.	0	0	0	0	0
Transition C.	161	228	353	0	0
Total	2 324	2 308	1 810	1 015	1 063

Annual per capita income:

High Income	15	15	15	15	45
Upper Middle Income	2 196	2 093	1 470	667	710
Lower Middle Income	22	200	325	333	308
Low Income	91	0	0	0	0
Total	2 324	2 308	1 810	1 015	1 063

Political stability:

Stable	0	0	0	0	0
Fair	15	15	15	15	15
Unstable	2 309	2 293	1 795	1 000	1 048
Extreme Unstable	0	0	0	0	0
Total	2 324	2 308	1 810	1 015	1 063

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	2 096	2 023	1 430	647	730
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	15	15	15	15	15
MERCOSUR	50	0	0	0	0
NAFTA/USMCA	65	85	55	35	25
OECD	65	85	55	35	25
SADC	0	0	0	0	0

Rare Earth Minerals (REO-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	45 280	57 943	64 383	62 197	63 801
Developing C.	135 270	143 690	171 710	216 170	260 670
Least Developed C.	20 495	25 596	31 134	21 050	60 850
Transition C.	2 620	2 663	2 276	0	0
Total	203 665	229 892	269 503	299 417	385 321

Annual per capita income:

High Income	45 280	57 943	64 383	60 159	63 801
Upper Middle Income	135 070	143 123	170 886	213 928	256 580
Lower Middle Income	19 920	24 230	30 200	21 830	60 940
Low Income	3 395	4 596	4 034	3 500	4 000
Total	203 665	229 892	269 503	299 417	385 321

Political stability:

Stable	0	0	0	0	0
Fair	45 650	57 953	64 413	60 469	62 137
Unstable	140 720	150 613	177 756	221 018	265 944
Extreme Unstable	17 295	21 326	27 334	17 930	57 240
Total	203 665	229 892	269 503	299 417	385 321

Country groups and economic blocks:

ACP	3 395	4 626	4 134	3 880	4 390
ASEAN	17 470	21 710	28 130	19 160	58 250
BRICS	137 520	145 613	172 856	216 218	260 844
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	27 620	38 503	42 413	42 499	41 557
MERCOSUR	380	450	580	1 580	1 280
NAFTA/USMCA	27 620	38 503	42 413	42 499	41 557
OECD	45 280	57 943	64 383	60 159	61 837
SADC	3 200	4 300	3 900	3 500	4 000

Rhenium

	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg
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Development status:

Developed C.	14 130	15 410	15 691	15 237	17 901
Developing C.	26 503	17 049	21 331	36 393	55 014
Least Developed C.	0	0	0	0	0
Transition C.	3 110	3 845	3 801	0	0
Total	43 743	36 304	40 823	51 630	72 915

Annual per capita income:

High Income	38 133	29 959	34 522	45 540	68 655
Upper Middle Income	4 810	5 760	5 670	5 440	3 590
Lower Middle Income	800	585	631	650	670
Low Income	0	0	0	0	0
Total	43 743	36 304	40 823	51 630	72 915

Political stability:

Stable	0	0	0	0	0
Fair	38 133	29 959	34 522	45 540	66 655
Unstable	5 610	6 345	6 301	6 090	6 260
Extreme Unstable	0	0	0	0	0
Total	43 743	36 304	40 823	51 630	72 915

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	3 500	4 500	4 500	4 500	4 650
EC	5 770	6 580	6 401	4 367	6 491
EFTA	0	0	0	0	0
G7	8 360	8 830	9 290	8 870	9 410
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	8 360	8 830	9 290	8 870	9 410
OECD	38 133	29 959	34 522	45 540	66 655
SADC	0	0	0	0	0

Selenium

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 730	1 635	1 606	1 874	1 886
Developing C.	1 648	1 517	1 886	1 955	2 107
Least Developed C.	0	0	0	0	0
Transition C.	253	245	324	0	0
Total	3 631	3 397	3 816	3 829	3 993
Annual per capita income:					
High Income	1 828	1 753	1 689	1 766	1 979
Upper Middle Income	1 656	1 484	1 817	1 808	1 659
Lower Middle Income	147	160	310	255	355
Low Income	0	0	0	0	0
Total	3 631	3 397	3 816	3 829	3 993
Political stability:					
Stable	0	0	0	0	0
Fair	1 828	1 753	1 489	1 566	1 529
Unstable	1 803	1 644	2 327	2 263	2 464
Extreme Unstable	0	0	0	0	0
Total	3 631	3 397	3 816	3 829	3 993
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	100	100	200	200	300
BRICS	1 460	1 335	1 650	1 620	1 670
EC	744	727	717	732	716
EFTA	0	0	0	0	0
G7	1 286	1 208	1 189	1 232	1 210
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	373	274	304	363	369
OECD	1 955	1 859	1 824	1 907	1 868
SADC	0	0	0	0	0

Tellurium

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	109	141	147	178	189
Developing C.	380	260	530	503	503
Least Developed C.	0	0	0	0	0
Transition C.	40	58	65	0	0
Total	529	459	742	681	692

Annual per capita income:

High Income	106	137	144	135	189
Upper Middle Income	421	319	593	543	500
Lower Middle Income	2	3	5	3	3
Low Income	0	0	0	0	0
Total	529	459	742	681	692

Political stability:

Stable	0	0	0	0	0
Fair	109	141	147	138	139
Unstable	420	318	595	543	553
Extreme Unstable	0	0	0	0	0
Total	529	459	742	681	692

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	418	315	590	540	550
EC	44	46	44	36	37
EFTA	0	0	0	0	0
G7	65	95	103	102	102
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	15	25	35	34	37
OECD	106	137	144	135	138
SADC	0	0	0	0	0

Tin

	2019	2020	2021	2022	2023
	metr. t	metr. t	metr. t	metr. t	metr. t

Development status:

Developed C.	7 947	8 337	9 087	12 883	13 826
Developing C.	230 539	215 915	198 087	209 055	210 184
Least Developed C.	53 376	50 896	53 115	65 649	64 796
Transition C.	2 471	2 559	3 317	0	0
Total	294 333	277 707	263 606	287 587	288 806

Annual per capita income:

High Income	7 947	8 337	9 087	9 376	13 826
Upper Middle Income	202 860	137 936	132 591	178 511	174 709
Lower Middle Income	69 598	114 613	103 811	76 085	78 531
Low Income	13 928	16 821	18 117	23 615	21 740
Total	294 333	277 707	263 606	287 587	288 806

Political stability:

Stable	0	0	0	0	0
Fair	20 966	14 172	15 753	17 721	18 915
Unstable	216 434	209 334	191 163	200 606	201 801
Extreme Unstable	56 933	54 201	56 690	69 260	68 090
Total	294 333	277 707	263 606	287 587	288 806

Country groups and economic blocks:

ACP	20 853	23 068	25 657	32 892	30 612
ASEAN	125 548	97 047	80 343	109 345	106 285
BRICS	102 934	113 666	101 885	90 084	96 714
EC	209	219	315	375	404
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	14 867	16 634	15 410	19 176	25 121
NAFTA/USMCA	0	0	0	0	0
OECD	7 947	8 570	9 087	9 376	10 256
SADC	11 015	14 947	16 400	21 357	19 652

Zinc

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	3 135 014	3 063 960	2 986 413	3 250 144	2 991 586
Developing C.	8 832 715	8 645 312	8 840 470	9 301 429	9 385 772
Least Developed C.	244 477	228 395	241 490	186 337	144 230
Transition C.	778 292	760 260	788 249	0	0
Total	12 990 498	12 697 927	12 856 622	12 737 910	12 521 588

Annual per capita income:

High Income	3 152 844	3 106 042	3 016 628	2 908 788	2 979 895
Upper Middle Income	8 012 197	7 699 285	7 739 109	7 675 588	7 750 099
Lower Middle Income	1 492 060	1 651 375	1 842 995	1 968 547	1 635 444
Low Income	333 397	241 225	257 890	184 987	156 150
Total	12 990 498	12 697 927	12 856 622	12 737 910	12 521 588

Political stability:

Stable	0	0	0	0	0
Fair	3 398 051	3 281 647	3 171 836	3 103 205	2 850 534
Unstable	9 159 875	9 112 791	9 399 796	9 283 828	9 360 288
Extreme Unstable	432 572	303 489	284 990	350 877	310 766
Total	12 990 498	12 697 927	12 856 622	12 737 910	12 521 588

Country groups and economic blocks:

ACP	570 741	527 112	559 171	548 708	495 678
ASEAN	53 145	43 710	37 080	55 557	49 441
BRICS	5 496 180	5 409 938	5 565 998	5 560 883	5 695 060
EC	775 340	779 055	729 676	701 747	639 219
EFTA	0	0	0	0	0
G7	1 022 353	969 995	933 671	943 256	876 507
MERCOSUR	178 279	182 632	166 101	159 070	203 610
NAFTA/USMCA	1 881 547	1 978 247	1 676 597	1 820 241	1 620 792
OECD	4 130 308	4 227 904	3 917 344	3 945 913	3 550 540
SADC	251 394	238 381	251 044	276 334	244 572

6.3.3 Precious Metals

Gold

	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg
Development status:					
Developed C.	762 048	744 423	737 740	1 016 800	1 019 163
Developing C.	1 636 623	1 474 090	1 454 328	1 849 103	1 845 595
Least Developed C.	352 623	409 471	449 437	431 561	401 660
Transition C.	562 555	574 756	579 151	0	0
Total	3 313 849	3 202 740	3 220 656	3 297 464	3 266 418
Annual per capita income:					
High Income	807 510	781 864	777 352	760 592	1 077 867
Upper Middle Income	1 613 456	1 465 026	1 446 205	1 564 134	1 270 934
Lower Middle Income	608 696	628 743	629 495	724 110	685 634
Low Income	284 187	327 107	367 604	248 628	231 983
Total	3 313 849	3 202 740	3 220 656	3 297 464	3 266 418
Political stability:					
Stable	8 217	5 860	5 815	6 674	6 844
Fair	1 049 435	989 102	986 491	840 013	814 250
Unstable	2 023 202	2 041 125	2 042 519	2 273 117	2 293 502
Extreme Unstable	232 995	166 653	185 831	177 660	151 822
Total	3 313 849	3 202 740	3 220 656	3 297 464	3 266 418

Country groups and economic blocks:

ACP	823 096	814 404	819 519	822 872	801 204
ASEAN	138 752	95 463	111 383	142 327	141 405
BRICS	882 195	869 730	845 892	859 637	872 909
EC	29 230	31 865	34 391	29 776	30 579
EFTA	0	0	0	0	0
G7	399 094	378 784	389 807	367 559	365 314
MERCOSUR	152 213	142 858	140 097	145 002	134 410
NAFTA/USMCA	526 609	513 943	516 831	510 093	492 877
OECD	965 577	1 040 763	1 033 697	1 008 990	1 006 210
SADC	232 137	215 946	245 561	227 995	234 369

Palladium

	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg
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Development status:

Developed C.	37 345	26 734	30 578	107 021	112 700
Developing C.	93 624	80 454	98 255	88 432	92 835
Least Developed C.	0	0	0	0	0
Transition C.	93 038	82 181	83 940	0	0
Total	224 007	189 369	212 773	195 453	205 535

Annual per capita income:

High Income	37 345	26 734	30 578	26 041	112 675
Upper Middle Income	174 994	149 654	169 416	155 384	76 943
Lower Middle Income	11 668	12 981	12 779	14 028	15 917
Low Income	0	0	0	0	0
Total	224 007	189 369	212 773	195 453	205 535

Political stability:

Stable	0	0	0	0	0
Fair	37 345	26 734	30 578	26 041	28 695
Unstable	186 662	162 635	182 195	169 412	176 840
Extreme Unstable	0	0	0	0	0
Total	224 007	189 369	212 773	195 453	205 535

Country groups and economic blocks:

ACP	92 324	79 154	96 955	87 039	90 775
ASEAN	0	0	0	0	0
BRICS	174 894	149 554	169 276	155 274	160 898
EC	704	862	1 040	964	767
EFTA	0	0	0	0	0
G7	36 251	25 452	29 158	24 687	27 518
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	36 251	25 452	29 158	24 687	27 518
OECD	37 345	26 734	30 578	26 041	28 695
SADC	92 324	79 154	96 955	87 039	90 775

Platinum

	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg
Development status:					
Developed C.	14 841	10 446	9 814	27 490	30 852
Developing C.	149 544	129 950	159 476	144 244	147 943
Least Developed C.	0	0	0	0	0
Transition C.	22 440	21 762	19 870	0	0
Total	186 825	162 158	189 160	171 734	178 795
Annual per capita income:					
High Income	14 841	10 446	9 814	8 820	30 847
Upper Middle Income	158 127	136 708	164 614	146 454	128 768
Lower Middle Income	13 857	15 004	14 732	16 460	19 180
Low Income	0	0	0	0	0
Total	186 825	162 158	189 160	171 734	178 795
Political stability:					
Stable	0	0	0	0	0
Fair	14 841	10 446	9 814	8 820	10 197
Unstable	171 984	151 712	179 346	162 914	168 598
Extreme Unstable	0	0	0	0	0
Total	186 825	162 158	189 160	171 734	178 795
Country groups and economic blocks:					
ACP	146 846	126 997	156 358	140 861	144 050
ASEAN	0	0	0	0	0
BRICS	157 919	136 233	163 966	145 861	148 520
EC	961	1 283	1 452	1 248	939
EFTA	0	0	0	0	0
G7	13 785	9 063	8 272	7 472	9 158
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	13 785	9 063	8 272	7 472	9 158
OECD	14 841	10 899	10 432	9 403	11 090
SADC	146 846	126 997	156 358	140 861	144 050

Rhodium

	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg
Development status:					
Developed C.	850	500	550	2 405	2 614
Developing C.	20 769	18 340	22 209	20 148	20 221
Least Developed C.	0	0	0	0	0
Transition C.	2 115	1 800	1 650	0	0
Total	23 734	20 640	24 409	22 553	22 835

Annual per capita income:

High Income	850	500	550	600	2 614
Upper Middle Income	21 660	18 772	22 525	20 492	18 549
Lower Middle Income	1 224	1 368	1 334	1 461	1 672
Low Income	0	0	0	0	0
Total	23 734	20 640	24 409	22 553	22 835

Political stability:

Stable	0	0	0	0	0
Fair	850	500	550	600	434
Unstable	22 884	20 140	23 859	21 953	22 401
Extreme Unstable	0	0	0	0	0
Total	23 734	20 640	24 409	22 553	22 835

Country groups and economic blocks:

ACP	20 769	18 340	22 209	20 148	20 221
ASEAN	0	0	0	0	0
BRICS	21 660	18 772	22 525	20 492	20 729
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	850	500	550	600	434
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	850	500	550	600	434
OECD	850	500	550	600	434
SADC	20 769	18 340	22 209	20 148	20 221

Silver

	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg
Development status:					
Developed C.	4 697 778	4 713 033	4 731 613	6 075 757	5 913 301
Developing C.	20 510 558	18 890 895	18 970 023	20 462 964	20 630 112
Least Developed C.	106 697	127 168	123 640	104 118	99 732
Transition C.	2 817 482	2 785 931	2 829 576	0	0
Total	28 132 515	26 517 027	26 654 852	26 642 839	26 643 145

Annual per capita income:

High Income	6 013 929	6 246 383	6 145 016	5 809 485	7 230 205
Upper Middle Income	19 438 123	17 324 630	17 257 666	17 968 930	16 419 164
Lower Middle Income	2 560 557	2 812 198	3 116 162	2 747 943	2 879 253
Low Income	119 906	133 816	136 008	116 481	114 523
Total	28 132 515	26 517 027	26 654 852	26 642 839	26 643 145

Political stability:

Stable	4 060	1 393	3 055	3 922	5 554
Fair	6 281 034	6 550 413	7 237 493	6 047 398	5 896 168
Unstable	21 516 661	19 872 701	19 321 817	20 494 953	20 645 946
Extreme Unstable	330 760	92 520	92 487	96 566	95 477
Total	28 132 515	26 517 027	26 654 852	26 642 839	26 643 145

Country groups and economic blocks:

ACP	413 729	367 272	338 633	329 904	375 340
ASEAN	554 296	392 177	355 116	379 427	365 633
BRICS	5 716 243	5 675 143	5 834 698	5 848 958	5 832 833
EC	1 984 803	1 976 588	2 064 033	1 997 126	2 037 535
EFTA	0	0	0	0	0
G7	1 387 956	1 401 808	1 330 806	1 312 197	1 270 777
MERCOSUR	1 120 670	835 517	914 770	956 790	912 830
NAFTA/USMCA	8 865 961	8 818 070	7 813 289	8 368 526	8 538 363
OECD	13 680 684	13 782 552	12 741 114	12 960 876	12 990 937
SADC	81 118	63 747	68 777	100 645	120 959

6.3.4 Industrial Minerals

Asbestos

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	0	0	0	629 000	598 000
Developing C.	137 205	197 057	302 256	629 165	640 640
Least Developed C.	0	0	0	0	0
Transition C.	1 000 300	935 211	1 000 100	0	0
Total	1 137 505	1 132 268	1 302 356	1 258 165	1 238 640

Annual per capita income:

High Income	0	0	0	0	598 000
Upper Middle Income	1 137 505	1 132 268	1 302 356	1 258 165	640 640
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	1 137 505	1 132 268	1 302 356	1 258 165	1 238 640

Political stability:

Stable	0	0	0	0	0
Fair	0	0	0	0	0
Unstable	1 137 505	1 132 268	1 302 356	1 258 165	1 238 640
Extreme Unstable	0	0	0	0	0
Total	1 137 505	1 132 268	1 302 356	1 258 165	1 238 640

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	926 805	904 868	1 052 256	1 007 965	983 340
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	12 205	77 057	172 256	182 965	189 340
NAFTA/USMCA	0	0	0	0	0
OECD	0	0	0	0	0
SADC	0	0	0	0	0

Baryte

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	604 456	279 065	438 498	804 632	724 938
Developing C.	8 150 948	6 753 327	6 615 902	6 972 271	7 426 898
Least Developed C.	61 039	98 920	39 623	334 798	754 507
Transition C.	693 600	710 300	1 268 500	0	0
Total	9 510 043	7 841 612	8 362 523	8 111 701	8 906 343

Annual per capita income:

High Income	532 456	238 065	366 498	469 632	724 938
Upper Middle Income	4 809 256	4 048 996	4 135 192	3 869 834	3 833 557
Lower Middle Income	4 164 331	3 550 551	3 856 833	3 768 235	4 343 848
Low Income	4 000	4 000	4 000	4 000	4 000
Total	9 510 043	7 841 612	8 362 523	8 111 701	8 906 343

Political stability:

Stable	0	0	0	0	0
Fair	696 056	375 343	475 901	847 341	1 230 145
Unstable	8 023 680	7 121 986	7 533 820	6 878 875	7 116 469
Extreme Unstable	790 307	344 283	352 802	385 485	559 729
Total	9 510 043	7 841 612	8 362 523	8 111 701	8 906 343

Country groups and economic blocks:

ACP	370	544	1 560	1 170	30
ASEAN	137 683	172 814	84 211	383 307	833 692
BRICS	5 811 258	5 266 849	4 952 361	4 264 931	4 621 795
EC	148 474	113 656	99 921	99 128	76 434
EFTA	0	0	0	0	0
G7	530 474	238 065	365 371	465 710	441 184
MERCOSUR	13 121	1 849	361	4 931	1 795
NAFTA/USMCA	869 180	646 363	628 092	909 807	877 052
OECD	1 361 447	1 004 226	944 380	1 313 213	1 144 562
SADC	0	0	0	0	0

Bentonite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	7 743 148	6 913 035	7 524 426	8 391 983	8 116 650
Developing C.	12 702 702	10 728 872	10 086 636	10 112 339	11 087 840
Least Developed C.	77 734	80 689	119 192	113 985	71 593
Transition C.	1 284 962	1 202 180	1 021 648	0	0
Total	21 808 546	18 924 776	18 751 902	18 618 307	19 276 083
Annual per capita income:					
High Income	7 749 159	6 848 674	7 417 558	7 668 591	7 982 756
Upper Middle Income	9 926 202	7 120 941	6 088 973	5 635 748	7 490 804
Lower Middle Income	4 055 451	4 874 972	5 126 679	5 199 983	3 730 930
Low Income	77 734	80 189	118 692	113 985	71 593
Total	21 808 546	18 924 776	18 751 902	18 618 307	19 276 083
Political stability:					
Stable	500	500	500	500	500
Fair	7 794 163	6 935 055	7 677 558	7 801 546	7 507 551
Unstable	11 546 225	11 086 106	9 741 625	9 266 253	9 641 018
Extreme Unstable	2 467 658	903 115	1 332 219	1 550 008	2 127 014
Total	21 808 546	18 924 776	18 751 902	18 618 307	19 276 083
Country groups and economic blocks:					
ACP	183 322	166 233	217 815	210 815	149 460
ASEAN	13 050	5 220	6 559	22 603	26 556
BRICS	10 433 847	8 412 613	6 868 606	6 451 540	6 414 598
EC	2 916 648	2 369 822	2 600 222	2 654 015	2 895 721
EFTA	0	0	12 803	0	0
G7	5 254 720	4 934 989	5 261 252	5 366 520	5 399 391
MERCOSUR	530 493	331 605	372 945	387 185	389 737
NAFTA/USMCA	4 544 321	4 329 219	4 580 000	4 580 000	4 360 000
OECD	9 175 220	8 662 953	9 424 888	9 638 263	9 792 396
SADC	182 818	165 747	217 298	210 525	149 191

Boron Minerals

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 030 000	830 000	900 000	1 248 800	1 291 500
Developing C.	3 151 476	2 655 990	3 903 168	4 097 295	3 500 466
Least Developed C.	0	0	0	0	0
Transition C.	111 800	115 500	119 600	0	0
Total	4 293 276	3 601 490	4 922 768	5 346 095	4 791 966

Annual per capita income:

High Income	1 382 255	1 118 103	1 263 032	1 581 935	1 741 739
Upper Middle Income	2 696 752	2 223 749	3 344 830	3 465 910	2 722 974
Lower Middle Income	214 269	259 638	314 906	298 250	327 253
Low Income	0	0	0	0	0
Total	4 293 276	3 601 490	4 922 768	5 346 095	4 791 966

Political stability:

Stable	0	0	0	0	0
Fair	1 382 255	1 118 103	1 451 900	1 581 935	1 650 239
Unstable	868 995	2 481 892	3 468 868	3 761 425	3 128 477
Extreme Unstable	2 042 026	1 495	2 000	2 735	13 250
Total	4 293 276	3 601 490	4 922 768	5 346 095	4 791 966

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	331 800	335 500	339 600	388 800	451 800
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	1 030 000	830 000	900 000	1 160 000	1 200 000
MERCOSUR	181 818	134 604	188 868	164 124	170 000
NAFTA/USMCA	1 030 000	830 000	900 000	1 160 000	1 200 000
OECD	3 422 255	2 798 103	3 803 032	4 171 935	3 570 239
SADC	0	0	0	0	0

Diamonds (Gem)

	2019 ct	2020 ct	2021 ct	2022 ct	2023 ct
Development status:					
Developed C.	18 816 751	14 408 412	16 994 679	41 371 583	38 064 401
Developing C.	22 250 381	18 018 762	22 816 918	24 589 598	24 039 799
Least Developed C.	12 358 115	11 095 463	11 442 977	11 281 335	10 232 025
Transition C.	25 804 591	18 711 931	23 470 180	0	0
Total	79 229 838	62 234 568	74 724 754	77 242 516	72 336 225

Annual per capita income:

High Income	18 816 751	14 408 412	16 994 679	16 300 847	38 136 702
Upper Middle Income	47 589 812	36 167 351	45 394 777	48 625 875	23 048 330
Lower Middle Income	10 142 291	8 287 935	8 882 218	9 724 874	10 205 693
Low Income	2 680 984	3 370 870	3 453 080	2 590 920	945 500
Total	79 229 838	62 234 568	74 724 754	77 242 516	72 336 225

Political stability:

Stable	0	0	0	0	0
Fair	37 147 511	27 664 687	34 372 183	35 514 817	36 259 571
Unstable	40 039 837	31 930 767	37 683 244	39 686 584	35 566 714
Extreme Unstable	2 042 490	2 639 114	2 669 327	2 041 115	509 940
Total	79 229 838	62 234 568	74 724 754	77 242 516	72 336 225

Country groups and economic blocks:

ACP	34 544 904	29 067 080	34 212 768	35 823 778	34 246 514
ASEAN	0	0	0	0	0
BRICS	29 241 393	22 916 282	28 015 050	29 410 240	24 853 160
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	18 573 661	14 208 812	16 994 679	16 217 233	15 674 351
MERCOSUR	53 240	42 114	47 127	47 155	25 310
NAFTA/USMCA	18 573 661	14 208 812	16 994 679	16 217 233	15 674 351
OECD	18 816 751	14 412 424	16 998 800	16 221 202	15 676 719
SADC	33 798 361	28 241 578	33 261 771	34 872 135	33 409 115

Diamonds (Ind)

	2019 ct	2020 ct	2021 ct	2022 ct	2023 ct
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Development status:

Developed C.	11 911 450	9 780 400	0	16 769 560	14 926 700
Developing C.	12 837 680	11 701 405	15 605 061	16 886 621	14 803 704
Least Developed C.	12 900 499	11 317 797	11 922 070	9 794 990	9 251 495
Transition C.	19 466 621	12 474 620	15 646 790	0	0
Total	57 116 250	45 274 222	43 173 921	43 451 171	38 981 899

Annual per capita income:

High Income	11 911 450	9 780 400	0	0	14 926 700
Upper Middle Income	30 578 976	22 012 090	27 854 506	29 754 015	10 412 455
Lower Middle Income	2 699 985	2 976 935	4 530 925	5 178 556	5 583 454
Low Income	11 925 839	10 504 797	10 788 490	8 518 600	8 059 290
Total	57 116 250	45 274 222	43 173 921	43 451 171	38 981 899

Political stability:

Stable	0	0	0	0	0
Fair	19 114 985	14 921 040	6 895 791	7 456 639	6 898 939
Unstable	26 544 778	19 982 974	25 878 212	27 657 851	24 172 230
Extreme Unstable	11 456 487	10 370 208	10 399 918	8 336 681	7 910 730
Total	57 116 250	45 274 222	43 173 921	43 451 171	38 981 899

Country groups and economic blocks:

ACP	25 611 579	22 926 402	27 432 094	26 588 840	24 003 754
ASEAN	0	0	0	0	0
BRICS	23 400 716	16 885 420	20 969 827	22 301 331	18 444 345
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	0	0	0	0	0
MERCOSUR	108 085	83 890	94 760	92 350	51 390
NAFTA/USMCA	0	0	0	0	0
OECD	11 911 450	9 780 400	0	0	0
SADC	25 123 520	22 758 350	27 004 676	26 297 485	23 737 670

Diatomite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 127 031	1 186 582	1 377 632	1 435 788	1 480 159
Developing C.	1 043 613	920 842	983 548	1 079 703	941 337
Least Developed C.	77 439	40 353	78 347	56 470	34 633
Transition C.	51 000	51 000	176 800	0	0
Total	2 299 083	2 198 777	2 616 327	2 571 961	2 456 129

Annual per capita income:

High Income	1 189 269	1 273 299	1 404 728	1 280 067	1 497 478
Upper Middle Income	1 029 017	880 987	1 123 873	1 231 008	923 248
Lower Middle Income	3 358	4 138	9 379	4 416	770
Low Income	77 439	40 353	78 347	56 470	34 633
Total	2 299 083	2 198 777	2 616 327	2 571 961	2 456 129

Political stability:

Stable	0	0	0	0	0
Fair	1 193 269	1 277 299	1 577 616	1 294 709	1 312 478
Unstable	879 457	881 051	955 247	1 220 803	1 107 218
Extreme Unstable	226 357	40 427	83 464	56 449	36 433
Total	2 299 083	2 198 777	2 616 327	2 571 961	2 456 129

Country groups and economic blocks:

ACP	78 360	41 281	79 110	57 871	35 403
ASEAN	0	0	0	0	3 000
BRICS	488 673	448 574	507 465	583 844	586 546
EC	359 023	362 571	304 081	375 686	309 956
EFTA	0	0	0	0	0
G7	911 802	963 511	1 106 519	927 321	943 439
MERCOSUR	112 283	134 149	167 091	219 377	174 226
NAFTA/USMCA	897 274	966 105	1 138 928	934 062	951 906
OECD	1 539 300	1 517 731	1 769 850	1 639 038	1 569 828
SADC	72 439	35 257	72 914	51 449	29 633

Feldspar

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	5 046 489	5 082 046	6 017 295	6 121 308	6 097 702
Developing C.	25 566 830	24 385 954	29 668 142	33 580 774	28 117 199
Least Developed C.	17 000	25 000	6 495	11 388	10 555
Transition C.	370 819	353 115	376 625	0	0
Total	31 001 138	29 846 115	36 068 557	39 713 470	34 225 456
Annual per capita income:					
High Income	5 659 542	6 001 011	6 618 535	6 387 793	6 663 939
Upper Middle Income	18 148 169	15 736 899	18 436 443	22 685 394	19 988 626
Lower Middle Income	7 176 427	8 083 205	11 007 084	10 628 895	7 562 336
Low Income	17 000	25 000	6 495	11 388	10 555
Total	31 001 138	29 846 115	36 068 557	39 713 470	34 225 456
Political stability:					
Stable	0	0	0	0	0
Fair	5 687 831	5 656 598	6 243 905	5 978 087	5 873 339
Unstable	13 014 046	21 861 484	26 488 755	30 120 777	23 959 591
Extreme Unstable	12 299 261	2 328 033	3 335 897	3 614 606	4 392 526
Total	31 001 138	29 846 115	36 068 557	39 713 470	34 225 456
Country groups and economic blocks:					
ACP	130 057	106 980	135 405	129 920	249 350
ASEAN	2 020 132	1 584 231	1 875 767	2 543 012	2 597 101
BRICS	9 612 901	8 059 000	9 728 155	9 631 746	9 663 895
EC	4 516 439	4 531 805	4 549 934	4 413 502	4 147 491
EFTA	80 000	69 000	60 000	60 000	45 020
G7	3 385 289	3 401 527	3 343 007	3 285 330	3 280 994
MERCOSUR	672 449	512 783	561 282	826 664	691 875
NAFTA/USMCA	966 196	1 383 385	810 076	855 240	833 444
OECD	15 387 448	16 566 944	19 424 085	22 107 056	15 548 716
SADC	76 255	48 427	67 113	75 382	142 820

Fluorspar

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	319 144	315 891	310 531	323 978	246 483
Developing C.	6 630 587	6 778 332	8 034 049	8 015 932	8 392 582
Least Developed C.	50 000	10 000	10 000	27 915	39 972
Transition C.	5 000	42 000	86 000	0	0
Total	7 004 731	7 146 223	8 440 580	8 367 825	8 679 037

Annual per capita income:

High Income	319 144	315 891	310 531	247 978	246 483
Upper Middle Income	5 605 809	5 679 030	6 941 390	7 302 090	8 096 750
Lower Middle Income	1 021 878	1 134 402	1 172 659	784 157	292 548
Low Income	57 900	16 900	16 000	33 600	43 256
Total	7 004 731	7 146 223	8 440 580	8 367 825	8 679 037

Political stability:

Stable	0	0	0	0	0
Fair	1 256 547	994 791	964 801	636 033	685 699
Unstable	5 620 044	6 001 735	7 353 851	7 607 087	7 883 601
Extreme Unstable	128 140	149 697	121 928	124 705	109 737
Total	7 004 731	7 146 223	8 440 580	8 367 825	8 679 037

Country groups and economic blocks:

ACP	257 704	347 557	439 087	435 900	475 960
ASEAN	260 250	229 727	224 793	277 533	336 289
BRICS	4 282 688	4 687 782	5 905 580	6 215 956	6 242 661
EC	239 144	265 891	243 857	214 978	182 483
EFTA	0	0	0	0	0
G7	173 959	129 933	123 306	94 563	43 508
MERCOSUR	25 899	72 730	38 158	38 969	30 365
NAFTA/USMCA	1 311 465	964 597	1 057 118	1 020 626	1 162 591
OECD	1 565 009	1 250 384	1 327 997	1 265 856	1 385 481
SADC	252 974	330 000	400 000	410 000	452 000

Graphite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	14 419	21 996	34 261	67 309	36 961
Developing C.	1 365 813	1 263 896	1 373 971	1 379 528	1 448 196
Least Developed C.	208 966	82 054	207 908	287 836	171 541
Transition C.	27 500	22 900	34 300	0	0
Total	1 616 698	1 390 846	1 650 440	1 734 673	1 656 698

Annual per capita income:

High Income	14 721	25 048	34 261	47 663	35 295
Upper Middle Income	1 296 737	1 187 158	1 314 700	1 283 715	1 296 817
Lower Middle Income	62 134	54 076	66 801	102 729	146 520
Low Income	243 106	124 564	234 678	300 566	178 066
Total	1 616 698	1 390 846	1 650 440	1 734 673	1 656 698

Political stability:

Stable	0	0	0	0	0
Fair	18 221	25 048	34 261	47 663	20 795
Unstable	1 578 487	1 347 639	1 539 063	1 520 232	1 536 891
Extreme Unstable	19 990	18 159	77 116	166 778	99 012
Total	1 616 698	1 390 846	1 650 440	1 734 673	1 656 698

Country groups and economic blocks:

ACP	208 966	82 054	207 908	287 836	171 541
ASEAN	3 500	3 700	1 200	500	1 100
BRICS	1 318 944	1 205 306	1 326 838	1 343 597	1 407 500
EC	307	208	381	485	436
EFTA	9 780	5 549	6 293	10 380	6 483
G7	4 539	16 347	9 471	13 185	4 397
MERCOSUR	81 770	67 020	78 555	72 780	56 053
NAFTA/USMCA	6 674	18 272	10 799	16 420	7 385
OECD	27 053	42 286	64 106	78 798	51 893
SADC	208 966	82 054	207 908	287 836	171 541

Gypsum and Anhydrite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	54 976 350	55 374 962	59 238 148	67 448 034	64 512 693
Developing C.	136 569 817	137 055 720	141 643 722	144 479 892	146 107 757
Least Developed C.	2 214 083	2 396 484	2 733 034	3 394 169	4 150 550
Transition C.	7 109 284	6 904 397	8 150 044	0	0
Total	200 869 534	201 731 563	211 764 948	215 322 095	214 771 000

Annual per capita income:

High Income	70 320 647	70 227 890	76 394 137	76 062 107	80 802 009
Upper Middle Income	116 610 505	99 158 958	105 680 196	104 969 076	121 308 395
Lower Middle Income	13 542 387	31 934 866	29 182 266	33 748 921	11 912 459
Low Income	395 995	409 849	508 349	541 991	748 137
Total	200 869 534	201 731 563	211 764 948	215 322 095	214 771 000

Political stability:

Stable	330 000	0	0	0	0
Fair	68 282 760	69 121 571	76 740 251	75 882 324	75 960 788
Unstable	104 204 874	113 454 121	116 419 786	116 012 178	115 559 758
Extreme Unstable	28 051 900	19 155 871	18 604 911	23 427 593	23 250 454
Total	200 869 534	201 731 563	211 764 948	215 322 095	214 771 000

Country groups and economic blocks:

ACP	1 516 006	2 033 304	2 176 638	2 642 707	3 044 420
ASEAN	10 692 990	10 275 488	11 676 197	11 533 579	10 348 662
BRICS	75 305 102	73 905 385	72 597 835	74 142 695	74 142 112
EC	26 426 971	27 170 017	28 477 607	28 341 909	26 242 990
EFTA	432 100	413 602	422 794	416 317	330 000
G7	34 053 239	32 917 649	34 477 050	37 084 072	34 336 220
MERCOSUR	3 608 167	3 355 235	3 954 709	5 901 187	6 135 743
NAFTA/USMCA	31 804 201	32 340 663	32 866 173	33 889 454	34 765 704
OECD	69 412 669	72 018 695	78 454 319	80 124 729	78 450 648
SADC	652 891	814 758	955 109	1 113 986	1 046 585

Kaolin

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	16 256 051	15 106 583	16 338 933	19 174 599	19 501 815
Developing C.	23 761 113	22 530 765	22 713 030	25 243 512	25 742 273
Least Developed C.	55 791	131 168	115 914	68 199	105 056
Transition C.	4 138 550	4 889 505	5 252 032	0	0
Total	44 211 505	42 658 021	44 419 909	44 486 310	45 349 144

Annual per capita income:

High Income	16 540 078	15 534 312	16 309 846	15 288 322	18 986 619
Upper Middle Income	16 870 386	12 840 363	13 769 355	16 486 891	16 885 216
Lower Middle Income	10 760 593	14 250 632	14 325 744	12 689 871	9 447 500
Low Income	40 448	32 714	14 964	21 226	29 809
Total	44 211 505	42 658 021	44 419 909	44 486 310	45 349 144

Political stability:

Stable	50 569	50 000	55 000	55 000	50 000
Fair	17 095 331	15 891 909	16 623 826	15 433 620	13 854 450
Unstable	22 065 468	24 749 565	26 334 822	25 641 204	27 803 293
Extreme Unstable	5 000 137	1 966 547	1 406 261	3 356 486	3 641 401
Total	44 211 505	42 658 021	44 419 909	44 486 310	45 349 144

Country groups and economic blocks:

ACP	95 367	161 672	188 377	151 506	145 554
ASEAN	3 362 736	2 200 085	2 049 103	1 366 828	2 141 390
BRICS	17 430 237	18 238 230	18 616 852	20 422 084	22 629 084
EC	10 959 432	10 249 771	10 651 743	9 408 949	7 713 211
EFTA	0	0	0	0	0
G7	11 178 389	10 624 579	10 867 057	10 244 251	9 313 043
MERCOSUR	1 489 463	1 266 219	1 184 884	1 221 531	857 180
NAFTA/USMCA	5 366 645	4 876 033	4 583 332	4 567 798	4 719 570
OECD	17 802 810	16 770 084	18 059 155	17 567 326	15 047 700
SADC	43 170	119 093	130 118	57 526	83 937

Magnesite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	3 687 394	4 145 540	4 484 028	5 136 078	4 475 125
Developing C.	22 636 210	22 827 255	22 456 015	21 126 649	18 281 841
Least Developed C.	0	0	0	0	0
Transition C.	1 015 200	1 282 052	1 108 896	0	0
Total	27 338 804	28 254 847	28 048 939	26 262 727	22 756 966
Annual per capita income:					
High Income	3 887 394	4 395 540	4 734 028	3 985 027	4 565 125
Upper Middle Income	23 205 820	23 412 357	22 861 392	21 868 410	17 983 680
Lower Middle Income	145 590	346 950	373 519	329 290	128 161
Low Income	100 000	100 000	80 000	80 000	80 000
Total	27 338 804	28 254 847	28 048 939	26 262 727	22 756 966
Political stability:					
Stable	0	0	0	0	0
Fair	3 688 926	4 149 450	4 487 028	3 809 526	3 416 985
Unstable	21 963 041	23 833 108	23 298 415	22 236 802	19 116 875
Extreme Unstable	1 686 837	272 289	263 496	216 399	223 106
Total	27 338 804	28 254 847	28 048 939	26 262 727	22 756 966
Country groups and economic blocks:					
ACP	9 632	12 410	8 000	8 548	6 260
ASEAN	40	0	0	0	0
BRICS	21 654 454	21 914 561	21 023 723	20 147 991	17 600 607
EC	2 829 622	2 767 261	2 967 429	2 760 759	2 230 866
EFTA	0	0	0	0	0
G7	444 590	579 076	622 976	587 811	753 540
MERCOSUR	1 530 000	1 550 000	1 800 000	1 700 000	1 413 000
NAFTA/USMCA	445 390	579 076	622 976	587 811	753 540
OECD	5 184 275	5 707 435	6 414 424	5 631 740	4 752 993
SADC	8 100	8 500	5 000	8 000	6 000

Perlite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 429 991	1 763 468	2 038 080	1 687 531	1 688 315
Developing C.	1 279 355	1 216 767	1 561 666	1 499 078	1 376 001
Least Developed C.	0	0	0	0	0
Transition C.	146 676	181 146	244 814	0	0
Total	2 856 022	3 161 381	3 844 560	3 186 609	3 064 316

Annual per capita income:

High Income	1 429 391	1 758 268	2 033 080	1 637 531	1 690 312
Upper Middle Income	1 420 023	1 350 363	1 729 825	1 517 491	1 355 620
Lower Middle Income	6 608	52 750	81 655	31 587	18 384
Low Income	0	0	0	0	0
Total	2 856 022	3 161 381	3 844 560	3 186 609	3 064 316

Political stability:

Stable	0	0	0	0	0
Fair	1 434 691	1 763 468	2 056 096	1 642 531	1 625 312
Unstable	215 017	1 345 163	1 711 440	1 537 369	1 369 334
Extreme Unstable	1 206 314	52 750	77 024	6 709	69 670
Total	2 856 022	3 161 381	3 844 560	3 186 609	3 064 316

Country groups and economic blocks:

ACP	1 000	1 000	1 000	1 000	1 000
ASEAN	21 608	3 500	8 131	27 378	20 884
BRICS	46 000	46 000	46 000	46 000	66 000
EC	799 727	908 283	1 155 259	967 893	966 646
EFTA	0	0	0	0	0
G7	629 000	853 000	879 000	672 000	654 000
MERCOSUR	21 236	13 176	18 016	32 450	32 000
NAFTA/USMCA	653 497	853 000	907 800	672 000	654 000
OECD	2 628 374	2 904 609	3 490 575	2 956 963	2 794 437
SADC	1 000	1 000	1 000	1 000	1 000

Phosphate Rock (P₂O₅-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	8 101 700	8 252 930	7 312 010	12 653 450	12 872 200
Developing C.	53 525 200	52 222 580	57 528 550	56 994 090	57 017 580
Least Developed C.	1 121 520	1 179 440	1 337 050	1 436 280	1 508 560
Transition C.	5 907 640	5 988 510	6 102 830	0	0
Total	68 656 060	67 643 460	72 280 440	71 083 820	71 398 340

Annual per capita income:

High Income	10 408 250	10 892 920	10 145 130	10 104 790	16 179 340
Upper Middle Income	41 306 230	39 576 220	44 195 780	41 798 280	37 180 670
Lower Middle Income	16 546 960	16 105 420	17 000 670	18 360 290	17 226 860
Low Income	394 620	1 068 900	938 860	820 460	811 470
Total	68 656 060	67 643 460	72 280 440	71 083 820	71 398 340

Political stability:

Stable	0	0	0	0	0
Fair	9 437 780	7 304 580	6 637 640	6 460 710	6 558 140
Unstable	58 548 630	59 318 090	65 117 260	64 235 680	63 743 510
Extreme Unstable	669 650	1 020 790	525 540	387 430	1 096 690
Total	68 656 060	67 643 460	72 280 440	71 083 820	71 398 340

Country groups and economic blocks:

ACP	1 799 220	1 883 400	2 073 160	2 255 500	2 193 660
ASEAN	1 347 080	606 850	813 960	711 780	895 590
BRICS	36 179 640	34 879 660	39 119 000	40 018 600	40 013 200
EC	363 020	363 200	363 720	341 600	330 710
EFTA	0	0	0	0	0
G7	6 547 000	6 604 000	6 070 000	5 564 000	5 508 000
MERCOSUR	1 850 000	1 847 900	1 813 000	1 879 300	1 786 800
NAFTA/USMCA	6 796 520	6 695 240	6 215 050	5 696 510	5 633 700
OECD	8 319 040	8 540 140	7 661 670	7 402 740	7 619 600
SADC	652 450	670 340	638 590	727 250	637 680

Potash (K₂O-Content)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	18 597 253	19 933 722	20 414 384	29 992 275	34 121 167
Developing C.	8 405 911	8 391 117	8 555 108	8 860 326	8 876 305
Least Developed C.	286 900	442 500	507 600	920 000	2 050 800
Transition C.	14 925 793	15 982 353	16 856 600	0	0
Total	42 215 857	44 749 692	46 333 692	39 772 601	45 048 272

Annual per capita income:

High Income	19 280 793	20 900 402	21 305 834	21 220 625	28 485 097
Upper Middle Income	22 431 964	23 155 390	24 250 058	15 684 136	12 524 375
Lower Middle Income	503 100	693 900	777 800	2 867 840	4 038 800
Low Income	0	0	0	0	0
Total	42 215 857	44 749 692	46 333 692	39 772 601	45 048 272

Political stability:

Stable	0	0	0	0	0
Fair	24 872 486	18 927 302	19 434 434	19 693 915	20 330 847
Unstable	17 306 171	25 785 390	26 859 258	20 038 686	22 326 375
Extreme Unstable	37 200	37 000	40 000	40 000	2 391 050
Total	42 215 857	44 749 692	46 333 692	39 772 601	45 048 272

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	286 900	442 500	507 600	920 000	2 050 800
BRICS	13 518 911	13 979 037	14 917 628	12 087 636	13 697 675
EC	3 223 408	3 325 204	3 169 105	3 138 546	2 956 308
EFTA	0	0	0	0	0
G7	16 034 109	17 166 204	17 659 605	17 665 251	17 110 614
MERCOSUR	248 911	254 837	213 028	299 636	363 275
NAFTA/USMCA	13 330 345	14 192 918	14 755 819	14 823 181	14 433 046
OECD	19 280 793	20 900 402	21 305 834	21 220 625	20 621 097
SADC	0	0	0	0	0

Salt

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	118 043 636	111 580 305	113 481 691	125 885 880	117 944 326
Developing C.	154 516 317	140 935 954	135 677 731	150 427 203	146 887 401
Least Developed C.	3 511 280	3 319 847	3 280 996	3 717 402	4 150 549
Transition C.	15 267 448	11 759 711	14 868 164	0	0
Total	291 338 681	267 595 817	267 308 582	280 030 485	268 982 276

Annual per capita income:

High Income	129 002 096	120 543 316	120 246 002	122 942 783	127 251 562
Upper Middle Income	119 399 206	102 325 748	103 155 374	102 669 599	96 350 054
Lower Middle Income	41 802 158	43 664 361	42 966 053	53 211 048	44 218 938
Low Income	1 135 221	1 062 392	941 153	1 207 055	1 161 722
Total	291 338 681	267 595 817	267 308 582	280 030 485	268 982 276

Political stability:

Stable	558 325	71 000	35 000	0	70 000
Fair	134 468 576	123 914 020	125 738 597	126 675 300	119 911 525
Unstable	138 960 998	135 331 686	133 885 532	144 823 005	140 355 880
Extreme Unstable	17 350 782	8 279 111	7 649 453	8 532 180	8 644 871
Total	291 338 681	267 595 817	267 308 582	280 030 485	268 982 276

Country groups and economic blocks:

ACP	4 456 958	4 632 637	4 274 935	4 726 417	4 710 012
ASEAN	5 819 343	4 457 863	3 989 358	3 176 456	4 640 807
BRICS	110 458 312	98 119 855	98 987 442	108 468 812	101 959 689
EC	47 386 652	41 699 091	45 958 996	42 711 664	36 436 174
EFTA	492 325	334 827	530 700	440 665	378 183
G7	83 318 258	79 940 375	78 557 016	80 253 883	76 131 235
MERCOSUR	8 867 100	8 015 745	8 223 675	7 950 000	8 731 350
NAFTA/USMCA	65 556 507	65 203 563	57 303 766	62 470 040	61 406 958
OECD	139 077 234	134 533 684	132 520 266	137 069 647	130 166 884
SADC	2 247 410	2 341 946	2 432 086	2 445 537	2 679 636

Sulfur

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	23 931 917	21 797 668	24 111 154	31 146 969	30 277 264
Developing C.	45 023 292	44 173 587	43 111 424	50 377 750	51 891 850
Least Developed C.	960 200	917 300	691 900	640 800	576 200
Transition C.	12 081 900	12 450 500	10 672 400	0	0
Total	81 997 309	79 339 055	78 586 878	82 165 519	82 745 314
Annual per capita income:					
High Income	42 694 470	39 808 225	41 357 197	43 264 241	49 595 762
Upper Middle Income	32 876 574	30 731 582	28 825 683	31 321 850	27 672 820
Lower Middle Income	6 416 265	8 789 248	7 702 098	7 569 428	5 466 732
Low Income	10 000	10 000	701 900	10 000	10 000
Total	81 997 309	79 339 055	78 586 878	82 165 519	82 745 314
Political stability:					
Stable	0	0	0	0	0
Fair	36 768 335	33 973 435	36 151 297	37 742 081	37 459 112
Unstable	41 835 759	42 672 372	39 797 583	41 637 650	43 992 035
Extreme Unstable	3 393 215	2 693 248	2 637 998	2 785 788	1 294 167
Total	81 997 309	79 339 055	78 586 878	82 165 519	82 745 314
Country groups and economic blocks:					
ACP	2 269 744	1 918 509	1 194 874	1 161 760	1 020 145
ASEAN	1 216 100	1 075 900	1 125 500	588 200	600 000
BRICS	26 905 574	26 998 509	24 642 824	27 274 679	28 894 695
EC	6 164 004	4 887 117	5 071 054	5 169 030	4 466 464
EFTA	90 000	86 000	89 000	81 000	82 000
G7	19 129 025	17 292 544	17 496 249	18 423 364	17 749 276
MERCOSUR	960 000	750 000	735 000	819 600	790 000
NAFTA/USMCA	13 883 880	13 099 986	13 168 439	13 828 721	13 848 300
OECD	27 634 584	25 538 741	25 714 823	26 537 581	25 769 464
SADC	1 952 744	1 607 309	915 974	872 560	760 145

Talc

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	2 234 307	1 942 281	2 389 655	2 435 083	2 241 339
Developing C.	5 119 672	4 634 210	4 863 779	4 929 708	4 677 283
Least Developed C.	356 240	101 826	451 000	389 539	224 275
Transition C.	48 000	104 000	50 000	0	0
Total	7 758 219	6 782 317	7 754 434	7 754 330	7 142 897

Annual per capita income:

High Income	2 612 613	2 319 247	2 557 268	2 511 245	2 421 484
Upper Middle Income	2 853 664	2 401 166	2 727 145	2 805 834	2 797 589
Lower Middle Income	1 944 890	1 965 981	2 024 149	2 050 540	1 704 072
Low Income	347 052	95 923	445 872	386 711	219 752
Total	7 758 219	6 782 317	7 754 434	7 754 330	7 142 897

Political stability:

Stable	0	0	0	0	0
Fair	2 565 988	2 259 219	2 392 746	2 336 985	2 241 884
Unstable	4 538 713	4 207 097	4 486 795	4 632 922	4 319 988
Extreme Unstable	653 518	316 001	874 893	784 423	581 025
Total	7 758 219	6 782 317	7 754 434	7 754 330	7 142 897

Country groups and economic blocks:

ACP	144 060	101 694	341 183	446 715	390 024
ASEAN	14 564	38 146	31 950	30 369	32 484
BRICS	4 382 393	3 866 318	3 955 944	4 268 698	3 769 775
EC	1 113 307	1 071 988	1 078 154	1 047 458	955 410
EFTA	0	0	0	0	0
G7	1 544 131	1 326 679	1 381 397	1 383 795	1 364 000
MERCOSUR	660 050	652 824	662 370	703 562	602 387
NAFTA/USMCA	828 202	673 415	766 465	745 630	728 534
OECD	2 663 836	2 431 036	2 649 640	2 418 131	2 496 490
SADC	135 430	92 318	270 944	438 698	319 775

Vermiculite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	110 500	110 000	110 000	145 619	145 607
Developing C.	285 510	274 026	295 802	332 812	298 425
Least Developed C.	9 674	14 170	21 754	22 947	23 837
Transition C.	29 237	28 442	39 804	0	0
Total	434 921	426 638	467 360	501 378	467 869

Annual per capita income:

High Income	100 000	100 000	100 000	100 000	145 607
Upper Middle Income	296 849	284 820	313 708	349 660	268 011
Lower Middle Income	28 398	27 648	31 898	28 771	30 414
Low Income	9 674	14 170	21 754	22 947	23 837
Total	434 921	426 638	467 360	501 378	467 869

Political stability:

Stable	0	0	0	0	0
Fair	110 500	110 000	110 000	110 000	110 000
Unstable	323 051	316 638	357 360	391 378	357 869
Extreme Unstable	1 370	0	0	0	0
Total	434 921	426 638	467 360	501 378	467 869

Country groups and economic blocks:

ACP	193 311	158 781	200 271	221 525	222 511
ASEAN	0	0	0	0	0
BRICS	287 605	256 746	303 893	320 521	294 579
EC	10 500	10 000	10 000	10 000	10 000
EFTA	0	0	0	0	0
G7	100 000	100 000	100 000	100 000	100 000
MERCOSUR	47 581	58 821	70 500	70 913	52 638
NAFTA/USMCA	100 148	100 104	100 000	100 000	100 076
OECD	101 518	119 334	103 300	121 230	110 576
SADC	183 537	144 611	177 817	198 278	198 074

Zircon

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	498 900	410 000	599 000	509 700	493 000
Developing C.	653 632	599 242	582 396	619 153	552 415
Least Developed C.	240 488	217 926	276 232	282 910	278 982
Transition C.	24 300	22 000	35 450	0	0
Total	1 417 320	1 249 168	1 493 078	1 411 763	1 324 397

Annual per capita income:

High Income	498 900	410 000	599 000	490 000	488 000
Upper Middle Income	605 321	468 951	455 650	557 566	498 976
Lower Middle Income	153 358	235 548	252 956	165 349	131 764
Low Income	159 741	134 669	185 472	198 848	205 657
Total	1 417 320	1 249 168	1 493 078	1 411 763	1 324 397

Political stability:

Stable	0	0	0	0	0
Fair	586 696	410 157	600 518	490 768	482 800
Unstable	811 624	734 693	766 516	768 108	688 112
Extreme Unstable	19 000	104 318	126 044	152 887	153 485
Total	1 417 320	1 249 168	1 493 078	1 411 763	1 324 397

Country groups and economic blocks:

ACP	640 264	561 698	609 198	624 615	594 594
ASEAN	80 149	88 057	86 548	114 668	112 850
BRICS	547 372	484 794	470 132	475 398	418 876
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	30 000	30 000	30 000	20 000	20 000
MERCOSUR	17 136	10 994	6 482	6 513	8 397
NAFTA/USMCA	30 000	30 000	30 000	20 000	20 000
OECD	498 900	410 000	599 000	490 000	482 000
SADC	519 577	441 905	447 120	472 068	467 360

6.3.5 Mineral Fuels

Steam Coal

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	862 405 637	721 310 228	735 413 845	1 006 053 073	954 544 137
Developing C.	4 695 701 230	4 638 626 753	4 939 222 685	5 692 063 654	6 044 988 217
Least Developed C.	10 427 023	7 359 958	10 030 168	15 674 093	19 629 895
Transition C.	387 770 338	359 606 231	388 727 425	0	0
Total	5 956 304 228	5 726 903 170	6 073 394 123	6 713 790 820	7 019 162 249
Annual per capita income:					
High Income	865 096 191	722 520 790	735 432 386	745 468 355	941 144 301
Upper Middle Income	4 282 663 133	3 648 745 479	3 917 418 638	4 996 375 350	5 023 393 123
Lower Middle Income	779 438 620	1 332 907 940	1 398 456 162	946 412 185	1 028 265 652
Low Income	29 106 284	22 728 961	22 086 937	25 534 930	26 359 173
Total	5 956 304 228	5 726 903 170	6 073 394 123	6 713 790 820	7 019 162 249
Political stability:					
Stable	1 545 230	1 482 000	1 448 565	1 292 541	1 213 841
Fair	923 403 733	731 879 530	745 494 994	758 321 818	732 143 692
Unstable	4 998 941 022	4 978 103 399	5 308 449 688	5 914 298 715	6 245 461 942
Extreme Unstable	32 414 243	15 438 241	18 000 876	39 877 746	40 342 774
Total	5 956 304 228	5 726 903 170	6 073 394 123	6 713 790 820	7 019 162 249

Country groups and economic blocks:

ACP	263 570 489	255 132 460	242 912 059	247 088 248	247 594 862
ASEAN	662 174 227	624 350 107	632 225 485	753 740 259	842 499 008
BRICS	4 170 936 275	4 160 396 909	4 472 443 503	4 970 753 484	5 215 983 068
EC	52 736 727	44 119 578	43 161 020	41 758 441	37 803 716
EFTA	117 000	63 000	121 000	118 000	119 745
G7	538 467 740	409 308 070	442 304 360	452 879 230	436 196 480
MERCOSUR	4 347 664	3 879 892	5 016 963	3 647 269	3 398 068
NAFTA/USMCA	541 934 680	411 498 650	445 899 280	456 722 180	436 382 524
OECD	873 107 819	778 248 590	798 361 334	810 358 900	771 752 060
SADC	262 801 145	254 064 763	241 250 615	245 189 120	246 805 588

Coking Coal

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	299 510 663	274 554 057	269 934 776	373 201 881	380 558 881
Developing C.	643 003 463	651 977 715	643 073 708	669 640 370	687 533 717
Least Developed C.	5 356 390	4 670 626	5 732 902	6 385 797	7 212 589
Transition C.	110 161 700	105 087 700	112 759 200	0	0
Total	1 058 032 216	1 036 290 098	1 031 500 586	1 049 228 048	1 075 305 187

Annual per capita income:

High Income	299 510 663	274 554 057	269 934 776	265 721 881	377 449 881
Upper Middle Income	665 181 443	673 374 925	669 273 628	685 559 550	622 749 727
Lower Middle Income	87 983 720	83 690 490	86 559 280	91 560 820	67 892 990
Low Income	5 356 390	4 670 626	5 732 902	6 385 797	7 212 589
Total	1 058 032 216	1 036 290 098	1 031 500 586	1 049 228 048	1 075 305 187

Political stability:

Stable	1 200 900	1 038 970	1 134 310	1 068 687	1 110 810
Fair	327 272 733	299 337 017	291 940 856	290 005 664	321 658 921
Unstable	721 476 513	729 819 585	731 712 518	747 378 850	741 058 217
Extreme Unstable	8 082 070	6 094 526	6 712 902	10 774 847	11 477 239
Total	1 058 032 216	1 036 290 098	1 031 500 586	1 049 228 048	1 075 305 187

Country groups and economic blocks:

ACP	9 380 165	7 150 506	10 103 438	9 796 976	11 164 921
ASEAN	5 752 018	4 800 000	6 000 000	6 078 000	6 078 000
BRICS	689 192 225	696 698 320	702 883 546	722 067 979	716 687 742
EC	15 123 393	14 076 967	14 319 716	13 181 004	12 561 271
EFTA	0	0	0	0	0
G7	94 862 710	76 180 990	83 358 750	82 883 190	91 039 800
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	97 395 370	79 571 120	84 341 010	83 989 300	91 879 730
OECD	303 484 533	285 964 762	279 274 658	276 267 452	281 850 466
SADC	9 380 165	7 150 506	10 103 438	9 796 976	11 164 921

Lignite

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	409 140 231	338 786 480	368 527 424	539 792 768	457 739 529
Developing C.	149 512 086	131 749 628	149 376 204	174 865 194	159 270 824
Least Developed C.	16 049 042	15 127 126	14 205 978	16 057 222	16 375 113
Transition C.	159 787 602	151 663 906	149 775 175	0	0
Total	734 488 961	637 327 140	681 884 781	730 715 184	633 385 466
Annual per capita income:					
High Income	379 677 616	301 236 274	322 383 490	332 244 485	385 388 140
Upper Middle Income	282 546 123	270 544 215	288 331 094	321 798 549	180 266 913
Lower Middle Income	72 265 222	65 546 651	71 170 197	76 672 150	67 730 413
Low Income	0	0	0	0	0
Total	734 488 961	637 327 140	681 884 781	730 715 184	633 385 466
Political stability:					
Stable	287 830	297 690	284 735	276 248	275 433
Fair	433 774 243	359 513 068	386 766 187	406 636 010	336 258 967
Unstable	215 946 808	276 755 884	294 245 953	323 104 026	295 731 066
Extreme Unstable	84 480 080	760 498	587 906	698 900	1 120 000
Total	734 488 961	637 327 140	681 884 781	730 715 184	633 385 466
Country groups and economic blocks:					
ACP	0	0	0	0	0
ASEAN	30 120 752	28 377 700	28 427 551	29 698 505	29 088 741
BRICS	124 492 696	112 804 404	120 310 525	138 776 783	137 579 196
EC	309 146 846	244 653 270	275 337 479	295 612 240	225 226 544
EFTA	0	0	0	0	0
G7	187 704 555	159 699 780	177 539 804	180 574 731	145 868 190
MERCOSUR	1 596 696	2 309 404	1 896 525	2 648 783	3 322 196
NAFTA/USMCA	56 390 555	52 322 520	51 283 210	49 773 620	43 740 300
OECD	441 719 896	372 873 274	405 942 170	424 540 585	347 887 480
SADC	0	0	0	0	0

Natural Gas

	2019 Mio m ³	2020 Mio m ³	2021 Mio m ³	2022 Mio m ³	2023 Mio m ³
Development status:					
Developed C.	1 523 480	1 503 771	1 527 641	2 274 554	2 274 035
Developing C.	1 569 421	1 540 484	1 600 661	1 809 708	1 827 408
Least Developed C.	59 505	56 960	55 397	54 064	57 731
Transition C.	929 569	870 325	944 944	0	0
Total	4 081 975	3 971 540	4 128 643	4 138 326	4 159 174

Annual per capita income:

High Income	1 983 688	1 948 917	1 971 700	2 058 967	2 713 134
Upper Middle Income	1 634 936	1 274 664	1 365 043	1 370 838	1 129 801
Lower Middle Income	455 177	740 419	784 017	701 010	301 670
Low Income	8 174	7 540	7 883	7 511	14 569
Total	4 081 975	3 971 540	4 128 643	4 138 326	4 159 174

Political stability:

Stable	4 608	4 508	3 945	3 694	14 059
Fair	1 917 665	1 870 825	1 934 516	1 980 039	2 004 830
Unstable	1 719 241	1 683 038	1 768 709	1 719 692	1 704 278
Extreme Unstable	440 461	413 169	421 473	434 901	436 007
Total	4 081 975	3 971 540	4 128 643	4 138 326	4 159 174

Country groups and economic blocks:

ACP	116 058	112 939	106 641	108 059	112 124
ASEAN	217 662	209 757	209 294	205 030	202 672
BRICS	953 489	918 405	992 972	925 875	908 218
EC	106 999	92 864	49 288	45 183	38 073
EFTA	115 162	112 326	115 201	124 210	117 322
G7	1 184 144	1 175 920	1 195 164	1 261 253	1 305 420
MERCOSUR	96 154	86 515	94 381	95 574	98 825
NAFTA/USMCA	1 160 037	1 152 946	1 178 353	1 241 381	1 288 942
OECD	1 543 897	1 538 483	1 561 259	1 642 763	1 673 154
SADC	13 862	14 161	12 412	12 930	20 168

Petroleum

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	1 251 681 969	1 215 908 857	1 227 994 272	1 816 839 861	1 887 381 918
Developing C.	2 452 108 109	2 260 585 509	2 293 956 093	2 557 993 996	2 584 026 374
Least Developed C.	94 449 830	87 629 710	78 044 030	77 611 880	75 329 860
Transition C.	707 875 005	650 481 785	663 694 659	0	0
Total	4 506 114 913	4 214 605 861	4 263 689 054	4 452 445 737	4 546 738 152

Annual per capita income:

High Income	2 275 549 609	2 171 289 617	2 177 872 396	2 335 148 697	2 895 320 832
Upper Middle Income	1 845 078 784	1 505 028 303	1 554 927 997	1 619 093 400	1 397 733 898
Lower Middle Income	359 383 937	513 288 421	507 617 551	475 877 880	231 895 142
Low Income	26 102 583	24 999 520	23 271 110	22 325 760	21 788 280
Total	4 506 114 913	4 214 605 861	4 263 689 054	4 452 445 737	4 546 738 152

Political stability:

Stable	1 128 870	964 420	840 780	736 140	5 262 700
Fair	1 766 615 499	1 686 016 097	1 717 960 120	1 807 204 146	1 844 858 452
Unstable	2 091 108 024	1 999 312 514	1 969 281 434	2 052 243 441	2 106 262 139
Extreme Unstable	647 262 520	528 312 830	575 606 720	592 262 010	590 354 861
Total	4 506 114 913	4 214 605 861	4 263 689 054	4 452 445 737	4 546 738 152

Country groups and economic blocks:

ACP	249 201 754	234 792 304	207 937 478	206 007 576	213 841 214
ASEAN	96 466 620	89 398 173	81 981 220	78 183 560	76 395 460
BRICS	928 017 434	889 815 064	901 992 533	924 112 046	942 077 144
EC	73 025 519	68 584 320	18 038 057	16 682 214	15 877 071
EFTA	79 521 500	93 181 400	95 000 900	89 964 300	95 700 400
G7	1 135 236 132	1 087 967 397	1 099 455 382	1 155 565 694	1 227 578 674
MERCOSUR	222 698 100	210 391 250	209 173 740	221 513 830	248 690 430
NAFTA/USMCA	1 169 149 530	1 124 066 050	1 145 344 320	1 206 162 100	1 287 531 800
OECD	1 344 746 049	1 349 462 851	1 360 283 975	1 411 214 527	1 493 864 992
SADC	70 042 774	64 736 304	57 204 173	57 802 406	56 115 984

Oil Sands (part of Petroleum)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
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Development status:

Developed C.	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800
Developing C.	18 000 000	14 900 000	15 000 000	18 000 000	20 000 000
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	176 766 200	167 943 300	182 104 200	188 263 400	193 858 800

Annual per capita income:

High Income	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800
Upper Middle Income	18 000 000	14 900 000	15 000 000	18 000 000	20 000 000
Lower Middle Income	0	0	0	0	0
Low Income	0	0	0	0	0
Total	176 766 200	167 943 300	182 104 200	188 263 400	193 858 800

Political stability:

Stable	0	0	0	0	0
Fair	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800
Unstable	0	0	0	0	20 000 000
Extreme Unstable	18 000 000	14 900 000	15 000 000	18 000 000	0
Total	176 766 200	167 943 300	182 104 200	188 263 400	193 858 800

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	0	0	0	0	0
EC	0	0	0	0	0
EFTA	0	0	0	0	0
G7	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800
MERCOSUR	18 000 000	14 900 000	15 000 000	18 000 000	20 000 000
NAFTA/USMCA	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800
OECD	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800
SADC	0	0	0	0	0

Oil Shales

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	16 628 394	13 054 894	12 674 826	14 700 441	13 830 683
Developing C.	0	0	0	1 180 000	8 450 000
Least Developed C.	0	0	0	0	0
Transition C.	0	0	0	0	0
Total	16 628 394	13 054 894	12 674 826	15 880 441	22 280 683

Annual per capita income:

High Income	16 589 394	13 010 894	12 618 826	14 639 441	13 830 683
Upper Middle Income	39 000	44 000	56 000	61 000	0
Lower Middle Income	0	0	0	1 180 000	8 450 000
Low Income	0	0	0	0	0
Total	16 628 394	13 054 894	12 674 826	15 880 441	22 280 683

Political stability:

Stable	0	0	0	0	0
Fair	16 225 512	12 661 904	12 243 986	14 446 016	13 830 683
Unstable	402 882	392 990	430 840	1 434 425	8 450 000
Extreme Unstable	0	0	0	0	0
Total	16 628 394	13 054 894	12 674 826	15 880 441	22 280 683

Country groups and economic blocks:

ACP	0	0	0	0	0
ASEAN	0	0	0	0	0
BRICS	0	0	0	0	0
EC	16 225 512	12 661 904	12 243 986	14 446 016	13 830 683
EFTA	0	0	0	0	0
G7	489 012	473 404	444 886	417 916	431 483
MERCOSUR	0	0	0	0	0
NAFTA/USMCA	0	0	0	0	0
OECD	16 589 394	13 010 894	12 618 826	14 639 441	13 793 683
SADC	0	0	0	0	0

Uranium (U₃O₈)

	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t
Development status:					
Developed C.	16 102	11 582	10 137	17 277	25 428
Developing C.	9 261	9 282	9 623	38 851	40 585
Least Developed C.	3 516	3 527	2 691	2 382	1 332
Transition C.	35 399	31 327	33 530	0	0
Total	64 278	55 718	55 981	58 510	67 345
Annual per capita income:					
High Income	16 102	11 582	10 137	14 178	25 118
Upper Middle Income	39 173	35 079	37 694	36 849	35 830
Lower Middle Income	5 487	5 530	5 459	5 101	5 065
Low Income	3 516	3 527	2 691	2 382	1 332
Total	64 278	55 718	55 981	58 510	67 345
Political stability:					
Stable	0	0	0	0	0
Fair	22 561	17 965	16 925	20 795	30 160
Unstable	37 204	34 173	36 312	35 138	35 490
Extreme Unstable	4 513	3 580	2 744	2 577	1 695
Total	64 278	55 718	55 981	58 510	67 345
Country groups and economic blocks:					
ACP	10 138	10 040	9 628	9 187	9 845
ASEAN	0	0	0	0	0
BRICS	6 182	6 202	5 889	5 909	6 291
EC	67	42	32	25	15
EFTA	0	0	0	0	0
G7	8 337	4 275	5 631	8 776	16 395
MERCOSUR	0	20	34	51	107
NAFTA/USMCA	8 309	4 267	5 631	8 776	16 395
OECD	16 102	11 582	10 137	14 178	21 922
SADC	6 622	6 513	6 937	6 805	8 513

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

6.4.1 Iron and Ferro-Alloy Metals

Iron (Fe-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	1 068 600	1 016 200	942 000	882 500	931 900	2e
Angola		0	96 280	5 880	27 600	1e
Australia	567 345 032	567 788 649	570 160 503	584 413 159	589 029 943	1e
Austria	1 037 470	973 840	1 059 550	1 035 770	1 024 210	1e
Bhutan	23 590	9 430	16 590	2 230	650	1e
Bolivia	45 830	15 410	17 010	215 940	129 550	1e
Bosnia-Herzegovina	739 600	727 980	792 500	665 650	640 980	1e
Brazil	255 339 422	245 889 636	268 066 382	256 927 734	273 992 879	1e
Canada	34 457 800	37 102 800	34 982 200	39 169 500	39 751 000	1e
Chile	8 427 224	9 890 886	11 163 294	11 059 801	11 443 370	1e
China	165 356 800	173 763 500	163 840 000	180 480 000	190 937 600	1e
Colombia	300 240	354 200	337 670	223 920	293 730	1e
Congo, Rep.	20 200	3 400	20 200	20 200	20 200	1e
Egypt	48 200	1 900	5 800	24 300	45 000	2n
Fiji	35 900	35 200	49 400	28 800	27 300	1e
Gabon				0	6 800	1n
Germany	94 100	95 500	87 500	86 000	85 400	1e
Guatemala	30	0	0	0	0	1e
Guinea	0	418 800	1 140 800	197 900	0	1e
India	151 827 100	126 231 200	152 055 800	154 020 500	170 340 800	1e
Indonesia	1 379 300	2 951 100	3 300 000	3 000 000	800 000	2n
Iran	28 305 000	33 660 000	34 980 000	36 874 200	37 544 000	1a
Kazakhstan	14 278 750	15 105 100	15 966 300	12 567 100	11 893 635	1e
Korea, North	1 796 400	1 640 800	1 684 000	1 647 800	1 733 600	1e
Korea, South	205 410	345 140	323 140	260 400	302 190	1e
Laos	282 180	607 830	2 113 560	1 076 900	2 029 200	1e
Liberia	2 657 200	2 924 600	2 520 000	2 640 000	2 160 000	1e
Malawi	1 800	3 010	2 990	590	380	1e
Malaysia	2 621 100	3 383 990	3 070 930	3 094 320	3 046 990	1e
Mauritania	8 013 100	8 243 500	8 185 200	8 465 400	9 155 700	1n
Mexico	10 331 270	10 774 600	13 430 600	10 963 300	14 183 500	1e
Mongolia	4 800 430	5 165 660	5 136 260	4 289 540	2 987 500	1e
Morocco	7 150	14 090	8 870	4 820	5 220	1a
Namibia	8 400	27 570	51 490	0	5 400	1e
Nepal	120	770	0	0	0	1e
New Zealand	1 915 000	2 260 000	2 200 000	2 280 000	1 480 000	2n
Nigeria	18 300	2 400	1 300	6 700	15 900	2e
Norway	1 069 700	1 014 700	1 057 500	1 109 400	1 166 600	1n
Pakistan	238 440	218 000	306 160	272 570	143 250	1e
Peru	9 666 412	8 893 972	12 149 274	12 936 826	12 986 023	1e
Philippines	0	25 700	40 900	45 500	84 700	1e
Russia	65 726 000	65 372 000	59 375 800	56 109 000	53 572 000	1e
Saudi Arabia	294 100	275 000	335 200	351 700	350 000	2n

Sierra Leone	418 950	0	950 300	4 546 760	6 070 960	1a
South Africa	47 064 410	36 163 000	46 707 500	40 777 100	40 440 200	1e
Spain		0	36 580	0	0	1a
Sweden	19 367 200	20 112 200	19 964 200	18 799 000	19 126 500	1e
Tanzania	0	14 200	39 100	25 500	33 800	1e
Thailand	10 950	70 210	201 450	117 800	215 320	1e
Tunisia	100 700	93 400	143 900	133 600	135 000	2n
Türkiye	8 828 800	13 087 300	9 791 300	10 799 400	10 227 200	1e
Uganda	0	0	34 300	61 600	216 700	1e
Ukraine	47 584 000	49 274 000	52 431 000	19 958 000	19 495 000	1n
United States	29 547 000	24 100 000	30 100 000	24 687 000	28 295 000	1e
Uruguay	2 510	1 240	3 310	2 220	910	1e
Venezuela	2 062 800	1 159 000	1 372 500	4 575 000	2 440 000	1e
Vietnam	3 663 400	2 136 200	1 850 300	1 084 400	876 700	3e
Total	1 498 433 420	1 473 438 813	1 534 698 693	1 513 023 230	1 561 947 990	

Chromium (Cr₂O₃ - Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Afghanistan	2 000	2 000	5 300	19 100	10 100	1n
Albania	357 200	212 650	242 200	402 100	387 200	1a
Brazil	199 256	226 762	248 108	218 626	193 532	1e
China	27 250	54 440	67 620	65 050	54 220	1n
Cuba	27 000	14 000	8 500	4 000	2 700	1e
Ethiopia	500	200	700	400	200	1e
Finland	491 930	470 620	472 890	391 410	376 390	1a
Greece	12 080	790	0	0	0	1a
India	1 832 600	1 273 300	1 926 900	1 572 300	1 511 800	1e
Iran	104 400	103 340	85 620	130 440	85 420	1a
Kazakhstan	2 458 800	1 977 900	1 901 500	1 833 900	1 803 200	1e
Madagascar	37 300	6 100	6 600	10 800	33 700	1e
Oman	293 040	182 720	195 540	175 050	150 800	1e
Pakistan	55 300	48 570	56 050	78 000	62 250	1e
Papua New Guinea	52 010	51 560	53 830	78 340	67 500	1n
Philippines	14 570	14 040	12 290	34 870	40 780	1e
Russia	175 000	187 000	167 360	203 200	149 120	1e
South Africa	7 384 000	5 479 400	7 583 150	7 862 000	7 968 350	1e
Sudan	5 950	4 300	2 700	1 450	2 100	1e
Türkiye	1 528 700	1 087 400	1 227 900	1 142 300	1 152 200	1e
Zimbabwe	720 330	572 460	644 400	499 400	484 800	1e
Total	15 779 216	11 969 552	14 909 158	14 722 736	14 536 362	

Cobalt

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	5 746	5 631	5 232	5 794	5 217	1e
Brazil	0	27	43	9	165	1n
Canada	5 039	4 069	3 953	3 534	3 260	1e
China	3 000	2 200	2 000	1 750	2 300	1n
Congo, D.R.	78 664	86 591	93 011	115 371	139 840	1e
Cuba	3 800	3 900	3 800	3 600	3 200	2n

Finland	1 454	1 559	1 084	1 235	1 057	1a
Indonesia	350	1 000	2 100	9 600	18 200	1n
Madagascar	2 897	833	2 111	3 428	3 387	1n
Morocco	2 397	2 416	1 796	1 690	1 506	1n
New Caledonia	1 703	2 197	1 500	1 770	2 300	2n
Papua New Guinea	2 915	2 941	2 955	2 987	3 072	1n
Philippines	3 750	3 600	3 200	3 400	3 300	2e
Russia	9 400	9 700	8 000	9 200	8 800	1e
South Africa	1 027	897	355	250	378	1e
Türkiye	115	250	290	320	400	2n
United States	500	600	650	500	500	1e
Zambia	1 271	316	247	252	207	1e
Zimbabwe	402	956	298	211	386	1e
Total	124 430	129 683	132 625	164 901	197 475	

Manganese

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Angola		0	20 700	32 400	2 300	1e
Australia	3 259 200	3 357 500	3 277 460	3 044 900	2 920 850	1n
Bolivia	3 660	4 710	5 100	420	560	1e
Brazil	1 452 034	932 721	598 424	559 504	849 783	1e
Bulgaria		0	6 700	9 100	3 000	1n
China	1 350 000	1 218 000	900 000	819 000	852 000	1e
Colombia	160	10	140	160	150	2e
Congo, D.R.	1 780	1 000	9 450	5 380	600	2e
Cote d'Ivoire	472 700	530 200	384 500	371 900	470 100	1e
Egypt	7 900	5 300	8 000	5 000	1 000	2n
Gabon	3 158 100	3 709 100	4 228 900	4 522 700	4 386 300	1e
Georgia	170 600	202 400	226 500	160 000	212 300	1a
Ghana	1 507 200	660 100	934 200	919 800	870 500	1e
Guyana				105 800	119 520	1e
India	919 640	838 800	910 700	879 900	1 035 700	1e
Indonesia	24 000	23 500	40 000	0	0	1e
Iran	50 240	63 580	93 940	65 800	90 260	1a
Kazakhstan	230 700	164 300	129 800	136 600	138 500	1e
Kenya	16 600	13 600	28 500	61 200	44 100	1n
Malaysia	474 910	365 340	280 790	312 720	151 000	2n
Mexico	232 957	258 045	225 703	220 745	225 211	1e
Morocco	35 600	42 050	41 250	44 640	41 850	1a
Myanmar	429 000	254 000	206 100	207 100	234 000	1n
Namibia	14 660	11 860	10 250	10 600	13 800	2n
Nigeria	1 000	5 850	22 380	21 850	16 300	1e
Oman	12 500	3 200	3 300	3 000	3 300	1e
Pakistan	190	180	50	200	210	2n
Peru	18 814	10 120	11 391	1 169	1 327	1e
Romania	9 290	8 450	6 600	5 900	3 250	1n
Russia	5 900	28 200	10 700	16 500	21 800	1e
Senegal	1 880	6 580	4 040	13 370	11 950	1e
South Africa	6 456 400	6 029 368	7 065 750	7 090 400	7 058 600	1e
Sudan	1 000	0	0	0	0	1e
Thailand	2 305	670	0	320	290	1e
Türkiye	39 900	35 600	30 300	36 900	35 700	1e

Ukraine	686 100	698 500	652 300	369 600	186 500	2e
Vietnam	106 000	121 100	147 000	155 000	150 000	2n
Zambia	11 970	20 000	56 860	68 230	73 560	1e
Total	21 164 890	19 623 934	20 577 778	20 277 808	20 226 171	

Molybdenum

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Armenia	7 137	11 909	10 611	10 991	11 116	1e
Australia				277	1 110	1e
Canada	4 385	3 979	1 871	1 146	1 171	1e
Chile	54 759	59 381	49 427	45 627	44 118	1e
China	104 670	95 970	102 600	107 550	121 500	1e
Iran	4 160	3 536	4 150	5 980	7 900	1a
Kazakhstan	258	384	880	2 089	3 727	1n
Korea, North	530	100	100	620	350	1e
Korea, South	266	411	408	366	339	1e
Mexico	21 694	20 577	19 894	19 329	28 313	1e
Mongolia	2 490	2 890	2 975	2 780	2 650	1e
Norway	1	1	1	1	0	1a
Peru	30 441	32 185	34 148	31 588	33 476	1e
Russia	1 989	1 707	1 691	1 400	1 200	2e
United States	43 600	51 100	41 100	34 600	34 000	1e
Uzbekistan	800	741	854	785	713	1n
Total	277 180	284 871	270 710	265 129	291 683	

Nickel

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Albania	2 960	3 760	4 090	1 570	570	1a
Australia	158 751	169 344	150 876	155 007	149 090	1e
Brazil	55 761	68 097	75 988	79 370	72 398	1e
Canada	176 021	168 214	159 145	122 115	127 237	1e
China	104 674	105 048	104 600	109 400	110 400	1e
Colombia	44 990	40 480	43 940	46 370	43 030	1n
Cote d'Ivoire	9 900	20 220	26 460	27 610	37 210	1e
Cuba	45 000	46 000	44 000	43 000	37 500	2n
Dominican Republic	28 450	22 005	27 819	29 223	17 875	1e
Finland	38 530	41 429	42 163	44 921	41 941	1a
Greece	17 240	9 270	4 770	1 700	0	1a
Guatemala	44 600	57 600	61 400	52 600	20 300	1e
Indonesia	1 036 200	816 700	1 173 200	1 593 400	2 028 800	1e
Kosovo	3 360	4 150	4 735	300	10	1a
Madagascar	33 736	9 908	29 285	35 737	36 085	1n
Morocco	131	142	147	157	130	1a
Myanmar	14 200	22 000	18 100	9 600	5 100	1n
New Caledonia	208 185	199 375	186 284	199 951	233 375	1e
Norway	135	120	350	190	220	1a
Papua New Guinea	33 091	33 659	31 594	34 302	33 604	1n
Philippines	323 325	328 911	386 359	345 200	389 000	2e
Poland	755	710	740	830	750	1e

Russia	233 800	237 000	202 100	225 900	211 300	2e
Solomon Islands				0	1 050	1e
South Africa	43 443	34 908	31 848	29 033	29 750	1e
Türkiye	4 740	20 200	11 650	14 540	18 390	1e
United States	13 500	16 700	18 400	17 500	16 400	1e
Vietnam				0	2 100	1n
Zambia	2 500	2 760	3 672	3 946	7 848	1n
Zimbabwe	16 918	16 480	16 213	14 260	17 784	1e
Total	2 694 896	2 495 190	2 859 928	3 237 732	3 689 247	

Niobium (Nb₂O₅-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Brazil	126 641	85 572	112 755	109 287	109 520	1e
Burundi	5	4	10	3	1	2e
Canada	6 800	6 400	7 650	6 800	6 700	2n
China	20	30	30	40	43	1n
Congo, D.R.	433	565	475	644	560	1e
Ethiopia	14	11	18	25	35	2e
Mozambique	11	17	14	17	16	1e
Nigeria	170	80	140	145	185	1e
Russia	659	617	648	549	505	1n
Rwanda	205	160	160	195	310	1e
Uganda	3	52	9	0	0	1e
Total	134 961	93 508	121 909	117 705	117 875	

Tantalum (Ta₂O₅-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	80	50	70	60	50	1e
Bolivia	10	8	1	3	1	1e
Brazil	340	300	350	350	380	1n
Burundi	8	6	15	5	2	2e
China	135	180	180	92	96	1n
Congo, D.R.	460	600	505	733	630	1e
Ethiopia	50	41	64	90	120	2e
Malaysia	2	1	1	4	4	2n
Mozambique	59	94	75	84	82	1e
Nigeria	120	80	160	150	190	1e
Russia	32	60	39	24	34	1n
Rwanda	315	240	245	300	475	1e
Sierra Leone	16	29	36	17	22	1a
Spain	18	16	19	19	24	1a
Total	1 645	1 705	1 760	1 931	2 110	

Titanium (TiO₂-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	780 465	830 800	624 100	545 000	536 500	2e
Brazil	81 650	61 940	75 100	53 000	79 220	2e
Canada	550 000	480 000	440 000	540 000	470 000	2n
China	2 306 900	2 911 800	2 856 650	3 144 000	3 247 000	1e
India	205 200	205 500	227 500	154 000	150 000	2n
Iran	4 880	5 000	6 860	19 570	20 100	1a
Kazakhstan	60 000	28 000	20 000	22 000	13 000	2n
Kenya	262 660	256 410	254 210	275 290	169 980	1n
Korea, South	162 790	158 340	177 420	152 250	110 120	1e
Madagascar	252 200	280 600	354 800	296 300	308 800	1e
Malaysia	6 930	6 280	13 470	21 180	15 600	2n
Mozambique	786 900	874 000	1 126 800	1 387 200	1 829 500	1e
Nigeria			0	1 700	14 100	1e
Norway	211 280	229 780	295 610	252 990	290 660	1a
Russia	3 600	3 300	2 900	3 900	3 990	2e
Senegal	281 030	291 740	310 310	284 998	239 960	1e
Sierra Leone	165 180	135 930	149 380	161 250	142 490	1a
South Africa	1 064 000	950 000	900 000	1 050 000	1 010 000	2e
Sri Lanka	25 940	11 150	28 775	17 060	31 665	1e
Thailand	64	84	36	1	0	1e
Türkiye	6 130	6 455	7 080	6 860	0	1e
Ukraine	564 050	537 430	489 200	157 300	147 700	1n
United States	100 000	100 000	100 000	200 000	100 000	1e
Vietnam	112 680	139 760	156 000	156 210	114 500	3e
Total	7 994 529	8 504 299	8 616 201	8 902 059	9 044 885	

Tungsten (W-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	30	100	160	180	420	1n
Austria	892	896	919	910	819	1e
Bolivia	1 064	1 347	1 563	1 358	1 505	1e
Brazil	306	262	301	302	284	1e
Burundi	150	166	120	95	69	1e
China	74 950	71 450	68 660	65 620	65 980	1e
Congo, D.R.	260	116	114	148	418	1e
Korea, North	1 130	410	50	1 520	1 600	1e
Mexico	15	32	50	50	50	2e
Mongolia	370	35	120	236	324	1e
Myanmar	130	80	40	30	30	2n
Nigeria	15	18	24	52	26	1e
Portugal	518	553	542	448	400	1e
Russia	2 433	2 274	2 143	1 846	1 750	2e
Rwanda	1 120	990	1 545	1 610	1 370	1e
Spain	414	238	642	396	711	1a
Thailand	22	57	58	60	32	1e
Uganda	87	7	25	38	20	1e

Uzbekistan	100	60	40	27	77	1n
Vietnam	4 816	5 970	11 735	10 817	7 900	1n
Zimbabwe	37	30	8	18	0	1e
Total	88 859	85 091	88 859	85 761	83 785	

Vanadium (V-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Brazil	7 045	7 582	7 212	7 249	6 508	1n
China	64 700	69 960	74 100	78 100	81 600	1e
India	76	100	100	50	50	2n
Russia	18 380	19 533	20 058	21 000	20 000	2n
South Africa	8 062	8 584	8 799	8 872	8 667	1n
United States	460	17	0	0	0	1e
Total	98 723	105 776	110 269	115 271	116 825	

6.4.2 Non-Ferrous Metals

Aluminium

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Argentina	438 434	309 804	338 239	400 038	440 933	1e
Australia	1 569 591	1 582 947	1 558 529	1 509 646	1 555 474	1e
Azerbaijan	32 700	28 560	24 900	33 500	36 800	2n
Bahrain	1 365 005	1 548 500	1 561 222	1 600 111	1 620 665	1n
Bosnia-Herzegovina	67 690	0	90 037	138 969	64 465	1e
Brazil	650 200	685 100	771 700	810 900	1 021 700	1e
Cameroon	68 950	61 650	47 300	62 770	62 180	1e
Canada	2 853 771	3 118 710	3 136 704	3 033 966	3 274 901	1e
China	35 361 600	37 080 400	38 503 200	40 144 300	41 979 700	1e
Egypt	290 000	268 000	270 000	250 000	310 000	1n
France	401 850	417 000	438 942	388 589	356 717	1n
Germany	507 934	529 056	509 193	341 212	189 471	1e
Ghana	43 908	37 566	39 239	55 592	48 314	1e
Greece	186 903	181 708	183 775	186 448	183 361	1n
Iceland	682 616	691 989	695 857	730 394	752 904	1e
India	3 635 089	3 619 237	3 994 500	4 043 800	4 126 500	1e
Indonesia	233 457	220 089	200 577	223 774	214 930	1n
Iran	258 166	424 475	543 715	614 980	614 972	1e
Kazakhstan	264 895	265 665	262 361	249 141	260 877	1e
Malaysia	760 000	980 700	901 000	960 000	950 000	2n
Montenegro	36 522	37 208	45 214	43 196	21 778	1e
Mozambique	564 756	571 125	564 756	587 200	516 484	1n
Netherlands	81 100	70 600	46 700	0	0	1e
New Zealand	351 481	333 314	333 135	335 871	333 869	1n
Norway	1 312 000	1 339 330	1 430 183	1 424 571	1 321 229	1n
Oman	390 515	396 929	395 360	394 780	397 530	1n
Qatar	627 400	631 400	634 270	637 975	644 000	1n

Romania	280 326	271 307	293 399	191 454	196 438	1n
Russia	3 894 400	3 928 800	3 931 000	4 014 000	4 028 000	1n
Saudi Arabia	775 561	796 004	805 057	775 012	701 357	1n
Slovakia	174 794	151 875	163 995	71 933	0	1n
Slovenia	68 255	50 185	37 867	19 211	1 487	1n
South Africa	717 000	717 000	714 000	718 000	716 000	1n
Spain	230 000	200 000	190 000	0	0	1e
Sweden	120 000	117 000	124 000	120 000	119 000	1n
Tajikistan	100 800	84 000	61 000	62 000	66 649	1e
Türkiye	78 100	79 600	79 200	82 000	82 000	2n
United Arab Emirates	2 579 000	2 505 000	2 577 680	2 650 000	2 660 000	1n
United Kingdom	39 400	35 700	37 571	31 337	29 246	1n
United States	1 126 032	1 026 617	907 846	872 270	750 000	1e
Venezuela	10 000	9 996	38 340	8 430	10 000	2n
Total	63 230 201	65 404 146	67 481 563	68 817 370	70 659 931	

Antimony

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	2 032	3 903	3 380	2 292	1 860	1n
Bolivia	2 747	2 629	3 084	3 453	3 884	1e
Canada	2	2	2	2	0	2n
China	68 422	60 995	41 480	39 000	41 000	1e
Guatemala	150	50	0	12	25	1e
Honduras	15	10	120			1e
Iran	330	1 065	1 960	3 890	1 555	1a
Kazakhstan	0	400	450	467	400	2n
Kyrgyzstan	20	20	0	23	85	2n
Laos	70	0	240	250	480	1n
Mexico	289	136	413	632	576	1n
Myanmar	4 800	6 600	2 870	3 230	2 360	1n
Pakistan	0	17	33	0	40	1e
Russia	21 671	17 532	9 750	4 391	32 475	1n
Tajikistan	29 900	24 070	24 110	14 500	14 800	2n
Türkiye	3 815	2 570	4 210	10 640	3 816	1e
Vietnam	396	312	268	517	394	1e
Total	134 659	120 311	92 370	83 299	103 750	

Arsenic

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Belgium	1 000	1 000	1 000	1 000	1 000	2n
Bolivia	126	50	100	35	0	1e
China	24 000	24 000	25 000	25 000	24 000	1e
Japan	45	40	40	40	40	2n
Morocco	5 055	7 694	6 883	5 450	7 700	1n
Peru	24 915	19 014	21 877	25 379	31 162	1e
Russia	102	500	800	500	500	2n
Total	55 243	52 298	55 700	57 404	64 402	

Bauxite (crude ore)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	107 422 912	103 626 811	103 266 404	100 478 354	99 058 376	1e
Bosnia-Herzegovina	1 043 343	619 748	675 269	669 926	548 160	1e
Brazil	31 937 900	32 897 800	33 364 875	31 608 694	32 032 491	1e
China	73 323 700	70 000 000	68 400 000	74 300 000	65 516 300	1e
Colombia	18 033	9 595	49 946	48 016	2 779	1e
Cote d'Ivoire	0	272 295	0	54 963	105 000	2n
Croatia	14 342	14 084	14 448	17 749	14 660	1a
Dominican Republic	7 551	9 475	71 517	91 813	0	1e
France	120 760	123 496	142 764	118 000	120 000	2n
Ghana	1 116 334	1 162 086	839 465	773 213	959 601	1e
Greece	1 379 123	1 428 631	1 227 487	1 173 319	974 938	1a
Guinea	70 173 326	87 766 199	87 438 557	103 525 513	123 067 415	1e
Guyana	1 919 747	608 168	618 452	705 631	523 742	1e
India	21 825 227	20 380 548	22 135 961	23 844 406	23 360 795	1e
Indonesia	16 592 740	25 859 895	25 781 187	28 808 674	9 889 569	1e
Iran	828 788	1 042 325	883 950	955 528	871 073	1a
Jamaica	9 022 286	7 546 139	5 949 600	4 364 700	5 988 100	1e
Kazakhstan	4 118 400	4 057 800	4 370 100	4 175 900	4 559 900	1e
Laos				0	275 142	1e
Malaysia	900 561	594 715	47 577	129 825	576 770	1e
Montenegro	774 725	791 813	526 760	438 205	526 523	1e
Mozambique	8 024	6 491	7 852	14 583	5 481	1e
Pakistan	92 936	101 047	97 495	56 300	60 000	2e
Russia	6 641 000	6 647 000	6 565 000	6 712 000	6 867 700	1n
Saudi Arabia	5 127 000	5 227 927	5 649 000	5 930 000	5 900 000	2n
Sierra Leone	1 883 863	1 342 139	1 396 678	910 344	1 353 708	1a
Solomon Islands	1 234 030	841 890	0	0	0	1e
Tanzania	0	25 995	38 142	40 921	61 353	1e
Türkiye	2 255 480	2 399 680	2 764 873	3 637 217	2 934 790	1e
United States	154 900	16 440	0	12 580	48 230	1e
Venezuela	50 000	0	22 000	770 000	900 000	2n
Vietnam	3 700 000	3 610 000	4 100 000	3 900 000	3 800 000	2n
Total	363 687 031	379 030 232	376 445 359	398 266 374	390 902 596	

Beryllium (concentrates)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Brazil	9	10	10	10	10	2n
China	1 750	1 750	1 750	1 850	1 925	1e
Madagascar	30	30	30	20	20	2n
Mozambique	45	80	330	531	882	1e
Nigeria	1	2	0	172	189	1e
Rwanda	20	20	20	20	20	2n
Uganda	15	186	35	35	0	1e
United States	4 050	4 160	4 380	4 330	4 590	1n
Zambia	7	2	6	7	6	1n
Total	5 927	6 240	6 561	6 975	7 642	

Bismuth

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Bolivia	0	55	27	3	58	1e
Canada	4	4	0	0	0	1e
China	7 000	7 500	8 000	7 500	8 000	2n
Japan	540	570	478	480	500	2n
Kazakhstan	200	270	250	101	100	2n
Mexico	251	0	0	0	0	1e
Peru	73	74	247	251	304	1e
Russia	46	45	45	0	0	2n
Uzbekistan	2	2	2	3	0	2n
Vietnam	917	993	2 067	1 938	1 148	1n
Total	9 033	9 513	11 116	10 276	10 110	

Cadmium

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Argentina	80	46	0	0	0	1e
Australia	204	378	402	328	900	2b
Brazil	450	100	50	20	100	2n
Bulgaria	315	311	343	315	306	1n
Canada	1 803	1 800	1 800	1 800	1 800	2n
China	10 000	10 000	10 000	8 700	9 000	1n
Germany	620	500	450	300	112	1n
Japan	1 783	1 880	1 900	1 800	1 750	2n
Kazakhstan	1 200	1 500	1 500	1 000	1 200	2n
Korea, North	150	150	150	150	150	2n
Korea, South	3 950	4 100	4 000	4 000	4 500	2n
Mexico	952	978	1 051	1 174	1 021	1e
Netherlands	860	880	854	574	726	1b
Norway	370	344	390	420	420	2b
Peru	772	451	636	460	494	1e
Poland	199	485	292	0	0	1e
Russia	1 000	976	999	905	902	1n
United States	131	211	241	212	375	1e
Uzbekistan	250	450	470	453	470	1n
Total	25 089	25 540	25 528	22 611	24 226	

Copper

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Albania	5 900	3 070	4 430	3 470	4 720	1a
Armenia	91 214	83 291	79 970	71 466	67 705	1e
Australia	925 157	868 019	801 052	826 271	778 303	1e
Azerbaijan	2 213	2 591	2 649	2 516	2 138	1n
Bolivia	4 478	2 822	3 310	3 608	3 881	1e
Botswana	0	0	11 742	44 269	72 411	1n
Brazil	363 268	353 258	335 923	297 653	376 338	1e

Bulgaria	114 240	107 610	104 020	121 120	121 130	1a
Canada	557 242	581 713	509 350	509 059	484 552	1e
Chile	5 787 400	5 733 100	5 624 900	5 330 400	5 250 400	1e
China	1 683 450	1 942 000	1 964 400	1 925 600	1 830 000	1e
Colombia	7 641	9 372	9 194	6 918	6 007	1n
Congo, D.R.	1 461 124	1 712 964	1 924 374	2 394 630	2 842 022	1e
Congo, Rep.	18 760	10 300	11 012	11 940	8 419	1e
Cyprus	703	0	0	0	0	1a
Dominican Republic	6 047	2 193	4 774	5 360	9 673	1e
Ecuador	9 900	49 700	89 170	121 223	126 500	1n
Eritrea	16 008	21 725	20 224	17 098	17 595	1n
Finland	32 861	36 278	32 384	27 637	20 132	1a
Georgia	9 500	8 000	8 130	6 400	4 395	1a
Germany	40	37	60	67	71	1e
India	28 585	25 260	26 580	23 949	25 717	1n
Indonesia	351 220	505 650	731 060	940 770	907 210	1n
Iran	314 143	313 323	313 612	314 995	315 280	1a
Kazakhstan	604 970	548 760	511 940	594 050	614 416	1e
Korea, North	2 000	2 000	2 000	2 000	2 000	2q
Kyrgyzstan	8 640	6 500	8 100	7 500	6 950	1n
Laos	140 935	88 163	38 349	43 766	56 309	1n
Mauritania	29 620	28 491	18 846	13 313	13 014	1e
Mexico	713 704	800 316	782 136	828 189	778 839	1e
Mongolia	290 980	291 010	303 030	268 930	313 270	1e
Morocco	30 720	31 750	50 340	31 030	31 590	1a
Myanmar	219 200	196 500	98 000	1 500	2 170	1n
Namibia	14 940	15 741	950	0	752	1e
North Macedonia	7 231	6 625	6 810	7 595	7 940	1e
Pakistan	13 049	13 200	18 806	16 346	17 042	1n
Panama	147 480	205 548	331 000	350 438	330 863	1a
Papua New Guinea	99 432	82 403	66 958	76 135	90 490	1n
Peru	2 437 925	2 150 126	2 326 035	2 445 271	2 755 244	1e
Philippines	71 892	60 856	51 589	59 511	61 981	1n
Poland	398 900	392 700	391 300	392 500	395 400	1e
Portugal	41 553	32 230	39 443	32 098	43 600	1e
Romania	9 180	9 130	9 240	11 550	9 250	1n
Russia	812 400	924 100	938 800	917 900	916 000	2e
Saudi Arabia	66 610	75 370	75 180	74 690	70 090	1n
Serbia	43 550	52 207	121 150	203 998	238 909	1n
Slovakia	17	20	76	30	37	1e
South Africa	52 501	38 334	51 138	49 194	50 023	1e
Spain	170 556	182 678	142 381	128 764	114 786	1a
Sweden	99 332	100 065	88 108	88 337	73 780	1e
Tajikistan	8 500	978	4 480	19 240	4 500	1e
Tanzania	1 500	1 706	1 521	4 090	3 785	1e
Türkiye	73 300	107 000	108 100	121 000	127 000	1q
United States	1 260 000	1 200 000	1 230 000	1 230 000	1 130 000	1e
Uzbekistan	137 300	142 800	148 500	148 520	148 500	1e
Vietnam	29 240	30 780	33 930	34 560	29 040	1n
Zambia	796 430	882 061	830 357	795 141	732 583	1e
Zimbabwe	8 731	7 933	8 650	10 168	14 221	1e
Total	20 633 412	21 080 357	21 449 563	22 013 773	22 458 973	

Gallium

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
China	356	290	420	606	701	1e
Japan	3	3	3	3	3	2n
Korea, South	2	2	2	2	3	2b
Russia	8	5	5	5	6	2n
Ukraine	5	4	1	0	0	2n
Total	374	304	431	616	713	

Germanium

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
China	85	86	132	130	154	1e
Japan	2	2	2	2	2	2n
Russia	5	5	5	5	5	2n
Ukraine	1	1	1	0	0	2n
United States	2	2	2	2	2	2n
Total	95	96	142	139	163	

Indium

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Belgium	20	20	20	19	19	2b
Canada	61	61	44	39	40	2b
China	490	528	540	667	646	1e
France	38	40	38	19	21	2b
Japan	70	66	66	66	65	2b
Korea, South	225	210	190	180	180	2b
Peru	7	7	7	0	0	2n
Russia	6	11	11	6	6	1n
Uzbekistan	1	1	1	1	1	2n
Total	918	944	917	997	978	

Lead

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Argentina	29 768	13 600	17 098	18 599	29 780	1n
Australia	500 985	494 271	485 487	437 825	472 242	1e
Bolivia	88 002	64 619	92 767	89 761	102 927	1e
Bosnia-Herzegovina	7 470	6 110	6 310	6 730	6 670	1n
Brazil	5 715	5 351	6 307	8 304	16 237	1e
Bulgaria	23 350	20 680	21 420	23 110	20 690	1a

Canada	22 608	3 770	8 280	4 436	2 000	2n
Chile	7	1 386	382	457	325	1e
China	2 097 000	1 942 000	1 964 400	1 945 900	1 960 000	1n
Cuba	36 000	30 000	30 000	33 000	35 000	2q
Finland	937	1 532	1 494	1 535	910	1a
Greece	14 818	19 717	16 773	10 100	15 220	1n
Guatemala	377	0	0	0	0	1e
Honduras	12 308	13 400	14 000	12 400	12 300	2n
India	197 080	216 280	224 140	218 610	226 400	1e
Indonesia	9 450	7 090	6 735	4 800	6 415	1n
Iran	72 500	81 800	74 100	105 500	103 100	2a
Ireland	16 053	14 401	13 192	14 181	7 019	1e
Kazakhstan	55 700	30 200	29 900	30 000	45 900	1e
Korea, North	25 000	24 000	25 000	25 000	25 000	2q
Korea, South	1 930	1 680	1 530	970	240	1e
Kosovo	3 960	3 870	5 250	4 734	3 850	1a
Laos	250	90	170	1 800	1 000	1n
Malaysia			0	332	1 950	1e
Mexico	372 106	468 486	272 231	428 971	373 609	1e
Mongolia	13 500	14 273	10 940	9 500	8 500	1n
Montenegro	3 480	640	0	1 350	3 710	1e
Morocco	32 770	38 190	31 340	36 050	26 310	1a
Myanmar	35 090	27 000	12 900	16 000	21 650	1n
Namibia	6 320	8 890	10 130	12 240	10 990	1e
Nepal	0	1 800	5 550	0	0	1e
Nigeria	23 550	20 100	45 500	52 400	41 500	2e
North Macedonia	43 490	44 930	42 870	41 600	43 930	1e
Pakistan	8 090	7 094	7 277	8 886	7 838	1n
Peru	307 021	241 548	264 427	255 443	273 335	1e
Poland	48 510	46 790	29 430	28 770	29 510	1e
Portugal	27 852	28 178	29 526	23 347	22 520	1e
Romania	520	510	690	300	700	1n
Russia	207 900	200 700	212 300	229 300	220 000	2n
Serbia	9 970	8 420	6 330	6 660	7 220	1e
Slovakia	111	102	101	126	155	1e
South Africa	42 936	28 048	31 224	39 974	40 271	1e
Spain	11 390	11 397	10 965	9 272	10 547	1a
Sweden	68 635	65 402	65 404	70 339	65 570	1e
Tajikistan	52 720	33 282	48 058	47 510	37 809	1n
Tunisia	300	900	1 500	900	1 000	1e
Türkiye	60 770	70 650	81 170	72 130	69 230	1e
United Kingdom	150	100	100	100	100	2e
United States	266 000	297 000	286 000	264 000	263 000	1e
Uzbekistan	19 100	18 400	30 500	17 200	14 550	1n
Vietnam	12 500	14 100	16 350	20 560	15 870	1n
Total	4 896 049	4 692 777	4 597 548	4 691 012	4 704 599	

Lithium (Li₂O-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Argentina	13 670	12 620	12 870	14 210	18 610	1e
Australia	105 700	89 300	113 600	150 300	204 200	1n
Bolivia	160	80	410	250	380	1e
Brazil	2 575	4 065	5 670	7 863	15 193	1e
Burundi				0	13	1e
Canada	1 200	0	2 150	6 690	5 436	1n
Chile	44 940	49 730	65 060	110 350	113 200	1e

China	19 000	28 800	30 500	57 900	106 300	1n
Nigeria	10	0	20	190	930	1e
Portugal	710	280	225	210	380	2e
Russia	43	45	46	32	30	2n
Tanzania			0	20	57	1e
United States	1 450	1 220	2 505	1 640	1 325	1e
Zimbabwe	2 650	860	1 670	3 540	33 900	1e
Total	192 108	187 000	234 726	353 195	499 954	

Mercury

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Argentina	50	0	0	0	0	1e
China	2 046	1 993	1 400	637	700	2n
Kyrgyzstan	20	20	12	5	6	2e
Mexico	50	70	40	20	10	2n
Morocco	2	2	2	2	2	2n
Russia	50	30	30	10	30	2n
Tajikistan	91	178	311	326	300	2n
United States	15	15	15	15	15	2n
Total	2 324	2 308	1 810	1 015	1 063	

Rare Earth Minerals (REO-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	17 660	19 440	21 970	17 660	20 280	1n
Brazil	380	450	580	1 580	1 280	1e
Burundi	195	296	134	0	0	1e
China	132 000	140 000	168 000	210 000	255 000	1e
India	2 520	2 500	2 000	2 600	2 600	2n
Madagascar	3 200	4 300	3 900	3 500	4 000	1e
Malaysia	70	10	30	310	300	2n
Myanmar	17 100	21 000	27 100	17 550	56 850	1n
Nigeria		30	100	380	390	1e
Russia	2 620	2 663	2 276	2 038	1 964	1n
United States	27 620	38 503	42 413	42 499	41 557	1n
Vietnam	300	700	1 000	1 300	1 100	2e
Total	203 665	229 892	269 503	299 417	385 321	

Rhenium

Country	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg	Rem
Armenia	310	260	170	140	140	2n
Chile	24 003	14 549	18 831	32 303	50 754	1n
China	2 500	2 500	2 500	2 500	2 650	2e
Kazakhstan	1 000	1 000	1 000	800	800	2n

Poland	5 770	6 580	6 401	4 367	6 491	1e
Russia	1 000	2 000	2 000	2 000	2 000	2n
United States	8 360	8 830	9 290	8 870	9 410	1e
Uzbekistan	800	585	631	650	670	1n
Total	43 743	36 304	40 823	51 630	72 915	

Selenium

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Belgium	200	200	200	200	200	2n
Canada	102	102	57	110	130	1b
Chile	98	118	83	102	103	1n
China	1 250	1 120	1 400	1 400	1 400	1e
Finland	115	84	100	130	122	1a
Germany	300	300	300	300	300	2n
India	17	20	20	20	20	2n
Japan	740	740	720	710	680	1e
Kazakhstan	10	0	0	0	60	1n
Mexico	127	106	135	141	139	1e
Peru	56	53	48	57	50	1e
Philippines	100	100	200	200	300	2n
Poland	76	74	66	82	74	1e
Russia	193	195	230	200	250	2n
Serbia	20	10	4	10	10	2n
Sweden	53	69	51	20	20	2n
United States	144	66	112	112	100	2n
Uzbekistan	30	40	90	35	35	1n
Total	3 631	3 397	3 816	3 829	3 993	

Tellurium

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Bulgaria	3	4	3	3	1	1n
Canada	13	23	25	24	27	2b
China	380	260	530	500	500	2n
Japan	50	70	68	68	65	2b
Russia	38	55	60	40	50	2n
Sweden	41	42	41	33	36	1e
United States	2	2	10	10	10	2n
Uzbekistan	2	3	5	3	3	1n
Total	529	459	742	681	692	

Tin

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	7 738	8 118	8 772	9 001	9 852	1e
Bolivia	17 147	14 709	19 628	17 613	18 693	1e
Brazil	14 867	16 634	15 410	19 176	25 121	1e
Burundi	143	121	100	80	70	2e
China	85 584	94 460	83 144	67 365	68 000	1e
Colombia	31	233	0	0	0	1e
Congo, D.R.	10 990	14 670	15 750	20 420	18 460	1e
India	12	13	14	36	23	1e
Indonesia	76 390	52 617	34 466	56 093	50 669	1e
Laos	530	600	890	1 130	790	1e
Malaysia	3 611	2 963	3 013	3 521	3 767	1e
Mongolia	20	0	11	46	16	1e
Myanmar	38 900	33 440	33 950	40 500	41 950	1n
Namibia	7	242	492	533	876	1n
Nigeria	6 900	5 970	6 890	8 340	7 680	2e
Peru	19 853	20 647	26 995	28 231	26 230	1e
Portugal	108	104	60	60	48	1e
Russia	2 471	2 559	3 317	3 507	3 570	1e
Rwanda	2 780	2 030	2 260	3 115	3 210	1e
Spain	101	115	255	315	356	1a
Tanzania	18	35	158	404	316	1e
Thailand	46	198	220	85	30	1e
Uganda	15	0	7	0	0	1e
Vietnam	6 071	7 229	7 804	8 016	9 079	1q
Total	294 333	277 707	263 606	287 587	288 806	

Zinc

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	500	1 000	500	900	240	2n
Argentina	14 876	8 300	6 188	3 893	9 580	1n
Armenia	7 162	8 684	7 706	7 148	6 198	1e
Australia	1 337 321	1 314 910	1 318 696	1 237 373	1 098 290	1e
Bolivia	527 521	358 411	499 257	517 523	491 768	1e
Bosnia-Herzegovina	9 160	6 610	7 310	7 690	8 050	1n
Brazil	163 403	174 332	159 913	155 177	194 030	1e
Bulgaria	19 170	17 520	17 910	19 330	17 830	1a
Burkina Faso	106 680	78 990	84 170	22 880	0	1e
Canada	269 353	246 995	229 671	180 256	109 507	1e
Chile	5 620	28 662	27 915	24 092	22 059	1e
China	4 213 000	4 058 000	4 136 000	4 041 000	4 130 000	1e
Congo, D.R.	1 607	15 305	16 079	13 578	11 321	1e
Congo, Rep.	4 830	1 100	12 700	16 130	24 070	1e
Cuba	57 830	57 730	44 500	51 700	66 100	1n
Dominican Republic	5 527	2 361	4 896	5 485	10 837	1e
Eritrea	121 260	121 930	129 641	120 529	116 829	1n
Finland	69 800	61 213	59 080	62 433	58 387	1a
Greece	22 322	28 090	22 621	10 502	16 600	1n
Honduras	29 454	30 200	32 300	28 200	30 000	2n
India	719 220	756 090	788 400	836 100	853 400	1e
Indonesia	25 215	20 390	14 780	11 375	10 410	1n

Iran	209 900	215 200	195 100	228 700	215 900	2a
Ireland	122 463	127 008	112 249	103 264	53 327	1e
Kazakhstan	321 900	341 400	318 400	315 100	352 900	1q
Korea, North	25 700	25 000	28 000	28 000	28 000	2q
Korea, South	4 110	4 250	4 370	3 960	810	1e
Kosovo	3 050	3 890	3 620	4 108	2 810	1a
Laos	1 250	860	5 400	18 750	7 100	1n
Malaysia			0	412	1 981	1e
Mexico	859 194	1 008 252	742 926	876 985	744 285	1e
Mongolia	41 550	61 564	55 344	61 900	60 300	1n
Montenegro	9 520	10 130	9 360	8 070	7 640	1e
Morocco	43 570	35 810	40 230	34 870	36 320	1a
Myanmar	13 680	11 310	6 200	10 600	8 980	1n
Namibia	124 630	62 260	41 180	38 400	35 621	1e
Nigeria	23 220	26 620	32 220	55 650	33 270	2e
North Macedonia	31 040	31 750	30 070	29 730	27 880	1e
Pakistan	37 365	35 054	35 391	42 349	41 295	1n
Peru	1 382 753	1 334 570	1 533 135	1 369 649	1 469 127	1e
Poland	40 000	43 000	0	0	0	1e
Portugal	161 569	176 849	188 395	182 262	185 670	1e
Romania	1 260	100	2 500	6 970	500	1n
Russia	275 400	260 700	287 900	304 250	320 000	2e
Saudi Arabia	27 270	26 790	22 710	24 660	23 510	1n
Serbia	7 510	11 480	11 310	9 960	10 380	1e
Slovakia	119	96	25	65	90	1e
South Africa	125 157	160 816	193 785	224 356	197 630	1e
Spain	90 980	90 368	90 480	82 963	89 219	1a
Sweden	247 657	234 811	236 416	233 958	217 596	1e
Tajikistan	78 150	48 416	70 573	59 055	45 071	1n
Tunisia	1 500	1 000	1 900	1 400	1 600	1e
Türkiye	146 800	140 400	180 500	184 800	187 700	1e
United States	753 000	723 000	704 000	763 000	767 000	1e
Uzbekistan	35 400	37 200	42 000	42 000	41 600	1n
Vietnam	13 000	11 150	10 700	14 420	20 970	1n
Total	12 990 498	12 697 927	12 856 622	12 737 910	12 521 588	

6.4.3 Precious Metals

Gold

Country	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg	Rem
Algeria	70	58	71	138	147	1e
Angola	23	59	32	79	41	1e
Argentina	53 125	34 936	37 280	41 370	38 510	1e
Armenia	5 825	5 284	3 714	4 230	930	1n
Australia	325 572	327 952	307 577	302 787	296 053	1e
Azerbaijan	3 897	3 635	3 427	3 271	2 659	1n
Benin	5	5	5	5	5	2n
Bolivia	42 000	23 207	45 662	53 374	46 615	1e
Botswana	943	851	649	427	331	1e
Brazil	89 988	98 922	93 817	94 632	86 900	2e
Bulgaria	7 467	9 349	9 695	8 529	9 276	1n
Burkina Faso	50 559	62 405	67 126	58 159	57 338	1e
Burundi	573	863	893	914	1 054	1e

Cambodia		0	1 466	3 320	3 524	1n
Cameroon	341	233	440	860	431	1e
Canada	191 716	177 756	196 491	189 393	191 035	1e
Central African Republic	359	401	840	1 507	1 549	1e
Chile	38 455	33 895	34 248	30 966	35 790	1e
China	380 230	365 340	328 980	372 048	375 155	1e
Colombia	38 018	48 775	56 772	52 313	61 300	1e
Congo, D.R.	33 752	29 597	31 421	29 498	34 526	1e
Congo, Rep.	150	150	150	150	150	2n
Costa Rica	4 500	600	647	790	800	2n
Cote d'Ivoire	32 568	38 523	41 855	48 320	51 185	1e
Cyprus	33	61	0	0	0	1a
Dominican Republic	31 801	28 154	25 437	22 282	17 646	1e
Ecuador	6 293	9 086	15 026	17 272	17 550	1n
Egypt	14 946	14 069	12 919	13 716	13 998	1n
Eritrea	2 443	3 019	2 140	3 200	2 550	1n
Eswatini	6	1	0	4	23	1e
Ethiopia	2 800	7 500	9 600	5 900	3 500	1e
Fiji	1 106	1 090	1 107	584	545	1e
Finland	7 927	8 668	9 082	8 390	8 804	1a
French Guiana	1 157	1 058	1 225	935	1 110	1e
Gabon	107	55	1 106	1 063	1 276	1e
Georgia	4 052	5 401	3 513	4 908	5 000	1a
Germany	15	10	12	14	14	1e
Ghana	142 371	125 114	87 721	115 937	125 611	1e
Greece	2 333	2 177	3 315	1 752	2 088	1n
Guinea	27 708	91 798	102 046	86 236	75 599	1e
Guyana	19 963	18 209	15 522	15 129	13 440	1e
Honduras	3 035	1 963	2 824	1 911	2 051	1n
India	1 742	1 127	1 375	1 359	1 428	1e
Indonesia	108 900	66 190	72 660	97 140	94 610	1n
Iran	8 140	6 919	6 990	7 472	8 674	1a
Japan	6 313	7 590	6 225	4 886	4 139	1e
Kazakhstan	106 559	116 964	114 843	129 794	131 204	1e
Kenya	395	150	292	564	410	1e
Korea, North	10 000	10 000	10 000	10 000	10 000	2q
Korea, South	181	170	162	128	43	1e
Kyrgyzstan	26 127	24 150	24 870	27 800	24 600	1n
Laos	5 207	5 097	8 742	9 383	8 312	1n
Liberia	5 068	4 396	7 860	11 718	13 639	1e
Madagascar	2 423	1 779	2 000	2 000	2 000	1e
Malawi		0	55	70	60	1e
Malaysia	3 151	1 716	1 781	1 828	1 584	1e
Mali	66 739	71 200	69 400	72 200	72 600	1e
Mauritania	13 554	14 125	6 499	17 711	20 129	1e
Mexico	133 893	142 787	133 340	147 700	131 842	1e
Mongolia	16 235	20 226	19 054	19 383	14 855	1e
Morocco	221	143	147	167	104	1n
Mozambique	430	488	764	1 264	1 666	1e
Myanmar	267	871	773	506	510	2e
Namibia	7 016	6 718	7 648	7 438	9 800	1e
New Zealand	8 217	5 860	5 815	6 674	6 844	1e
Nicaragua	9 190	8 087	11 144	11 549	13 330	3e
Niger	5 224	2 361	4 010	4 605	2 534	1e
Nigeria	9 000	1 520	2 000	3 048	2 632	1n
North Macedonia	593	448	470	600	600	2n
Panama	1 869	2 633	4 405	4 347	4 039	1a
Papua New Guinea	71 050	52 265	39 135	42 310	41 540	1n
Peru	113 586	85 368	97 493	96 966	100 986	1e
Philippines	20 687	21 030	25 297	29 036	31 046	1e
Poland	674	878	768	769	442	1e
Romania	500	500	500	500	500	2q

Russia	305 050	308 560	313 830	302 000	312 800	2e
Rwanda	2 000	2 000	2 000	2 000	2 000	2n
Saudi Arabia	12 418	13 222	11 153	12 268	13 476	1n
Senegal	14 550	12 408	14 678	15 220	12 864	1n
Serbia	1 452	1 550	4 794	7 290	6 944	1n
Sierra Leone	75	25	149	185	163	1a
Slovakia	346	336	392	399	492	1e
Solomon Islands			0	121	1 788	1n
South Africa	105 185	95 781	107 890	89 598	96 626	1e
Spain	1 913	1 609	1 822	1 369	1 605	1a
Sudan	57 700	35 700	49 700	41 800	23 200	1e
Suriname	24 516	21 214	18 634	19 541	17 853	1n
Sweden	7 972	8 249	8 805	8 054	7 358	1e
Taiwan	6	3	1	1	3	1e
Tajikistan	8 100	8 764	9 330	9 225	9 220	1n
Tanzania	48 408	55 805	59 638	56 943	54 760	1e
Thailand				0	857	1n
Togo	8 227	3 565	3 600	3 600	3 600	2n
Türkiye	39 000	42 100	39 290	31 020	36 250	1e
Uganda	7	10	13	8	4	1e
United Kingdom	50	28	79	266	126	1n
United States	201 000	193 400	187 000	173 000	170 000	1e
Uzbekistan	100 900	100 000	100 360	105 540	107 120	1n
Venezuela	9 100	9 000	9 000	9 000	9 000	2n
Vietnam	540	559	664	1 114	962	1n
Zambia	4 522	3 994	3 987	3 409	2 145	1n
Zimbabwe	29 429	20 873	31 477	37 265	32 391	1e
Total	3 313 849	3 202 740	3 220 656	3 297 464	3 266 418	

Palladium

Country	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg	Rem
Australia	390	420	380	390	410	1e
Canada	21 928	10 897	15 433	14 591	17 267	1e
China	1 300	1 300	1 300	1 300	2 000	2n
Finland	699	858	1 036	960	762	1a
Poland	5	4	4	4	5	2n
Russia	92 910	81 990	83 640	80 870	83 980	1n
Serbia	100	100	140	110	25	1e
South Africa	80 684	66 264	84 336	73 104	74 918	1e
United States	14 323	14 555	13 725	10 096	10 251	1n
Uzbekistan	28	91	160	93	60	1n
Zimbabwe	11 640	12 890	12 619	13 935	15 857	1e
Total	224 007	189 369	212 773	195 453	205 535	

Platinum

Country	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg	Rem
Australia	95	100	90	100	100	1e
Canada	9 633	4 860	4 255	4 469	6 120	1e
China	2 500	2 500	2 500	2 800	3 000	1e

Colombia	198	453	618	583	893	1e
Finland	953	1 277	1 447	1 243	933	1a
Poland	8	6	5	5	6	2n
Russia	22 430	21 740	19 840	18 660	20 650	1n
Serbia	10	22	30	10	5	2n
South Africa	132 989	111 993	141 626	124 401	124 870	1e
United States	4 152	4 203	4 017	3 003	3 038	1n
Zimbabwe	13 857	15 004	14 732	16 460	19 180	1e

Total	186 825	162 158	189 160	171 734	178 795	
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Rhodium

Country	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg	Rem
Canada	750	400	450	500	334	1e
Russia	2 115	1 800	1 650	1 805	2 180	1n
South Africa	19 545	16 972	20 875	18 687	18 549	1e
United States	100	100	100	100	100	2n
Zimbabwe	1 224	1 368	1 334	1 461	1 672	1e
Total	23 734	20 640	24 409	22 553	22 835	

Silver

Country	2019 kg	2020 kg	2021 kg	2022 kg	2023 kg	Rem
Algeria	30	20	12	20	20	2n
Argentina	1 070 670	767 087	843 230	882 140	810 190	1n
Armenia	17 922	19 493	19 480	18 920	15 286	1n
Australia	1 325 089	1 337 344	1 329 718	1 169 252	1 032 993	1e
Azerbaijan	8 160	7 590	8 988	12 600	5 211	1n
Bolivia	1 153 109	929 909	1 289 456	1 214 301	1 350 216	1e
Botswana		0	10 383	31 174	55 396	1e
Brazil	50 000	68 430	71 540	74 650	102 640	1n
Bulgaria	40 755	39 126	38 661	26 437	22 800	1n
Burkina Faso	5 670	10 012	8 897	7 326	7 891	1e
Canada	399 359	313 516	301 109	290 946	240 523	1e
Chile	1 309 321	1 575 794	1 383 041	1 274 363	1 262 287	1e
China	3 468 000	3 405 800	3 511 600	3 477 400	3 399 600	1n
Colombia	14 481	20 354	26 853	35 909	51 699	1e
Congo, D.R.	3 400	3 400	3 400	3 400	3 400	2n
Cote d'Ivoire	300	956	1 418	1 604	1 600	2n
Cyprus	97	486	0	0	0	1a
Dominican Republic	108 685	87 889	79 688	73 413	52 042	1e
Ecuador	2 892	15 037	34 915	44 315	47 950	1n
Eritrea	44 836	65 284	68 624	49 855	48 532	1n
Ethiopia	800	1 000	1 000	800	600	2n
Fiji	692	479	622	475	607	1e
Finland	40 461	54 833	45 338	35 182	43 915	1a
Georgia	4 100	11 200	12 700	22 400	24 000	1a
Germany	4 000	4 000	6 000	7 000	7 000	1e
Ghana	4 000	3 000	1 000	1 000	1 000	2n
Greece	37 790	51 111	44 086	32 870	42 988	1n
Honduras	45 174	40 400	37 495	30 000	32 000	2n

India	609 340	705 795	697 412	684 184	738 664	1e
Indonesia	487 400	338 100	295 920	298 650	281 060	1n
Iran	80 870	84 000	84 000	87 100	87 100	1n
Ireland	1 578	918	1 342	2 750	998	1e
Japan	3 467	4 192	3 339	2 923	2 604	1e
Kazakhstan	1 022 068	1 035 181	1 004 789	1 013 070	894 807	1e
Korea, North	50 000	50 000	50 000	50 000	50 000	2q
Korea, South	5 245	7 203	10 001	7 100	2 322	1e
Kyrgyzstan	19 010	16 127	16 549	17 400	15 400	2n
Laos	34 443	29 075	26 998	22 685	19 526	1n
Malaysia	686	423	672	414	6 726	1n
Mali	3 000	3 000	3 000	3 000	3 000	2n
Mexico	7 485 602	7 424 554	6 492 180	7 067 580	7 277 840	1e
Mongolia	79 864	77 762	79 035	73 476	73 000	2n
Morocco	216 580	189 220	194 360	203 240	231 700	1n
Namibia	7 765	7 520	5 847	5 200	5 000	2n
New Zealand	4 060	1 393	3 055	3 922	5 554	1e
Nicaragua	17 362	20 411	21 460	21 697	36 500	3e
Niger	100	120	87	100	100	2n
Nigeria			0	166	277	1n
North Macedonia	15 620	16 090	15 470	15 260	16 120	1n
Panama	35 217	49 628	78 419	87 498	84 737	1a
Papua New Guinea	162 630	129 695	103 210	88 170	136 530	1n
Peru	3 706 760	2 721 461	3 333 632	3 084 039	3 041 394	1e
Philippines	31 267	24 024	30 856	56 227	46 160	1e
Poland	1 249 000	1 218 200	1 302 900	1 315 800	1 319 900	1e
Portugal	95 270	95 954	97 945	78 412	88 676	1n
Romania	18 000	18 000	18 000	18 000	18 000	2q
Russia	1 533 000	1 457 000	1 517 000	1 567 000	1 550 000	2e
Saudi Arabia	7 123	7 479	8 604	9 464	9 000	2n
Senegal	898	1 090	1 310	1 325	982	1e
Serbia	14 502	15 900	11 600	10 900	5 000	2n
Slovakia	295	269	328	354	407	1e
Solomon Islands			0	25	220	1n
South Africa	55 903	38 118	37 146	45 724	41 929	1e
Spain	77 501	92 662	80 848	58 235	88 796	1a
Sudan	1 000	1 000	1 000	2 000	1 000	2n
Sweden	419 926	400 929	428 585	422 086	404 055	1e
Tajikistan	11 100	11 350	11 500	11 000	12 000	2n
Tanzania	12 550	13 187	9 324	13 602	14 481	1e
Thailand				0	10 417	1n
Türkiye	241 590	98 270	162 670	143 260	96 130	1e
United Kingdom	130	100	358	1 328	650	1n
United States	981 000	1 080 000	1 020 000	1 010 000	1 020 000	1e
Uzbekistan	172 000	196 000	211 500	217 725	239 500	1n
Vietnam	500	555	670	1 451	1 744	1n
Zimbabwe	1 500	1 522	2 677	1 545	753	1e
Total	28 132 515	26 517 027	26 654 852	26 642 839	26 643 145	

6.4.4 Industrial Minerals

Asbestos

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Brazil	12 205	77 057	172 256	182 965	189 340	1e
China	125 000	120 000	130 000	196 000	196 000	2n
Kazakhstan	210 700	227 400	250 100	250 200	255 300	1e
Russia	789 600	707 811	750 000	629 000	598 000	1e
Total	1 137 505	1 132 268	1 302 356	1 258 165	1 238 640	

Baryte

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	31 138	32 940	44 662	49 184	49 200	2n
Argentina	3 898	0	0	0	0	1e
Australia	1 982	0	1 127	3 922	3 754	1e
Bolivia	39 458	9 611	26 780	48 952	54 509	1e
Brazil	9 223	1 849	361	4 931	1 795	1e
Bulgaria	72 000	41 000	72 000	75 000	60 000	1e
Canada	40 000	40 000	50 000	50 000	50 000	2n
China	2 900 000	2 500 000	2 200 000	2 000 000	2 000 000	2n
Colombia	2 270	2 046	1 164	1 034	1 376	1e
Ecuador	2 000	2 000	1 000	500	1 000	2n
Egypt	4 000	4 000	4 000	4 000	4 000	2n
Germany	30 474	26 656	27 921	24 128	16 434	1e
Guatemala	50	50	100	20	0	1e
India	2 739 035	2 500 000	2 500 000	2 000 000	2 400 000	2n
Iran	247 207	285 756	297 469	224 626	389 429	1a
Kazakhstan	530 600	445 300	1 016 500	650 000	650 000	2n
Korea, North	4 000	4 000	4 000	4 000	4 000	2n
Laos	48 600	96 278	37 403	302 709	725 207	1e
Mexico	415 180	480 954	320 642	498 225	482 302	1e
Morocco	1 119 811	501 939	840 486	925 905	931 332	1a
Myanmar	12 439	2 642	2 220	32 089	29 300	2e
Nigeria	370	544	1 560	1 170	30	1e
Pakistan	116 480	55 341	51 553	127 600	140 970	1e
Peru	16 373	5 242	10 361	29 293	11 824	1e
Russia	163 000	265 000	252 000	260 000	220 000	2n
Thailand	33 644	22 394	4 988	6 509	30 685	1e
Tunisia	10 000	10 000	11 100	10 000	10 000	2n
Türkiye	413 811	283 161	256 076	344 322	215 946	1e
United Kingdom	46 000	46 000	30 000	30 000	30 000	2n
United States	414 000	125 409	257 450	361 582	344 750	1e
Vietnam	43 000	51 500	39 600	42 000	48 500	2e
Total	9 510 043	7 841 612	8 362 523	8 111 701	8 906 343	

Bentonite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	36 700	34 200	31 700	33 700	34 000	2n
Argentina	120 000	98 000	133 235	145 611	174 190	1e
Australia	56 000	42 713	46 658	26 332	47 551	1e
Azerbaijan	222 519	155 112	174 242	175 875	127 010	1a
Bolivia	0	0	0	5 057	5 100	2n
Bosnia-Herzegovina	94 601	69 183	75 761	28 173	37 878	1e
Brazil	403 763	217 055	220 000	220 000	200 000	2n
Bulgaria	45 000	40 900	72 100	72 000	61 000	1a
Chile	395	170	170	1 372	463	1e
China	5 600 000	3 650 000	2 500 000	2 100 000	2 100 000	1e
Colombia	145 643	185 418	88 339	58 815	31 263	1e
Cuba	504	486	517	290	269	1e
Cyprus	83 113	92 645	81 655	86 562	102 442	1a
Czechia	357 000	226 000	198 000	167 000	196 000	1e
Denmark	48 197	40 054	20 281	24 128	18 962	1e
Egypt	7 000	7 000	7 000	7 000	5 000	2n
France	36 000	36 000	36 000	176 628	180 000	2n
Georgia	27 872	12 750	16 315	22 955	34 600	1a
Germany	366 000	333 000	363 000	331 000	285 000	1e
Greece	1 393 958	979 329	1 253 789	1 106 201	1 166 920	1a
Guatemala	12 700	6 000	7 378	7 400	7 400	2n
Hungary	41 500	42 000	42 000	38 501	38 000	2n
India	3 605 000	3 740 000	3 550 000	3 500 000	3 500 000	2n
Iran	761 079	714 684	1 153 283	1 341 023	1 960 421	1a
Italy	82 720	65 989	32 252	102 264	394 391	1e
Japan	250 000	250 000	250 000	176 628	180 000	2n
Kazakhstan	52 000	59 200	60 000	60 000	65 000	2n
Korea, South	43 886	5 314	34 243	341 335	8 000	1e
Mexico	24 321	79 219	0	0	0	1e
Morocco	188 081	92 387	134 340	135 600	89 274	1a
Mozambique	77 734	80 189	118 692	113 985	71 593	1e
Myanmar	0	500	500	0	0	1e
New Zealand	500	500	500	500	500	2n
North Macedonia	682	2 196	1 277	0	0	1e
Norway	0	0	12 803	0	0	1a
Pakistan	48 332	107 742	59 744	45 000	45 000	2n
Peru	46 887	25 532	56 199	22 931	24 783	1e
Philippines	13 050	4 720	6 059	22 603	26 556	1e
Poland	500	920	500	0	1 110	1e
Romania	41 964	45 495	54 648	61 165	62 026	1e
Russia	720 000	720 000	500 000	535 000	537 000	1n
Slovakia	260 120	261 640	274 350	302 135	272 234	1e
Slovenia	99	77	75	68	86	1a
South Africa	105 084	85 558	98 606	96 540	77 598	1e
Spain	160 477	205 773	171 572	186 363	117 550	1a
Türkiye	1 533 547	1 658 837	2 020 356	2 018 993	2 494 366	1e
Turkmenistan	10 000	10 000	10 000	10 000	10 000	2n
Ukraine	124 700	125 000	125 000	50 000	50 000	2n
United States	4 520 000	4 250 000	4 580 000	4 580 000	4 360 000	1e
Uruguay	6 730	16 550	19 710	21 574	15 547	1e
Uzbekistan	32 588	48 739	59 053	60 000	60 000	2n
Total	21 808 546	18 924 776	18 751 902	18 618 307	19 276 083	

Boron Minerals

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Argentina	181 818	134 604	188 868	164 124	170 000	2n
Bolivia	214 269	258 143	312 906	295 515	327 253	1e
Chile	352 255	288 103	363 032	421 935	450 239	1e
China	250 000	250 000	250 000	300 000	360 300	1e
Iran	2 026	1 495	2 000	2 735	13 250	1a
Kazakhstan	30 000	30 000	30 000	30 000	0	2n
Peru	111 108	43 645	246 362	292 986	259 424	1e
Russia	81 800	85 500	89 600	88 800	91 500	1n
Türkiye	2 040 000	1 680 000	2 540 000	2 590 000	1 920 000	1e
United States	1 030 000	830 000	900 000	1 160 000	1 200 000	2n
Total	4 293 276	3 601 490	4 922 768	5 346 095	4 791 966	

Diamonds (Gem)

Country	2019 ct	2020 ct	2021 ct	2022 ct	2023 ct	Rem
Angola	8 209 365	7 118 240	7 597 280	7 606 550	8 615 980	1e
Australia	243 090	199 600	0	0	0	1e
Botswana	16 580 900	11 807 600	15 887 200	17 135 300	18 319 200	1e
Brazil	53 240	41 320	46 670	45 490	25 310	1e
Canada	18 573 661	14 208 812	16 994 679	16 217 233	15 674 351	1e
Central African Republic	22 040	49 470	74 220	90 900	85 060	1e
China	51	21	0	0	0	1c
Congo, D.R.	2 020 450	2 588 850	2 594 650	1 948 550	424 880	1e
Cote d'Ivoire	3 989	4 012	4 121	3 969	2 368	1e
Ghana	27 030	20 230	43 340	61 690	152 070	1e
Guinea	171 880	96 430	204 990	160 000	90 040	1c
Guyana	54 990	19 240	45 106	83 614	72 301	1c
India	10 301	5 010	0	0	0	1e
Lesotho	1 113 526	481 243	339 452	548 150	471 745	1c
Liberia	33 560	32 760	37 820	26 590	27 290	1e
Namibia	1 722 830	1 428 445	1 446 964	2 078 670	2 266 020	1e
Russia	25 804 591	18 711 931	23 470 180	25 154 350	22 390 050	1e
Sierra Leone	433 054	603 360	541 400	524 880	408 270	1a
South Africa	3 373 210	4 158 000	4 498 200	4 210 400	2 437 800	1e
Tanzania	354 240	125 110	53 165	375 715	108 760	1e
Venezuela	0	794	457	1 665	0	1c
Zimbabwe	423 840	534 090	844 860	968 800	764 730	1e
Total	79 229 838	62 234 568	74 724 754	77 242 516	72 336 225	

Diamonds (Ind)

Country	2019 ct	2020 ct	2021 ct	2022 ct	2023 ct	Rem
Angola	912 150	790 920	1 124 200	1 156 760	1 138 330	1e
Australia	11 911 450	9 780 400	0	0	0	1e
Botswana	7 106 100	5 060 400	6 808 800	7 343 700	6 775 600	1e
Brazil	108 085	83 890	94 760	92 350	51 390	1e

Cameroon	1 737	2 438	2 668	2 431	2 950	1e
Central African Republic	5 510	12 370	18 550	27 150	26 860	1e
Congo, D.R.	11 449 240	10 355 400	10 378 700	8 307 100	7 880 920	1e
Congo, Rep.	2 963	11 157	4 125	3 534	4 074	1c
Ghana	6 760	5 060	10 835	20 560	50 690	1e
Guinea	57 300	32 145	68 330	53 330	30 000	1c
India	18 515	8 910	277	421	55	1e
Liberia	22 370	21 840	25 210	28 800	29 560	1e
Namibia	90 675	75 180	76 156	109 405	119 265	1e
Russia	19 466 621	12 474 620	15 646 790	16 769 560	14 926 700	1e
Sierra Leone	391 403	83 040	297 700	155 550	121 950	1a
South Africa	3 807 495	4 318 000	5 228 000	5 439 000	3 466 200	1e
Tanzania	62 510	22 080	9 380	66 300	23 875	1e
Togo	16	2	0	0	0	1e
Zimbabwe	1 695 350	2 136 370	3 379 440	3 875 220	4 333 480	1e
Total	57 116 250	45 274 222	43 173 921	43 451 171	38 981 899	

Diatomite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	2 437	3 040	3 066	3 015	3 000	2n
Argentina	94 610	98 575	156 426	183 533	157 680	1e
Australia	8	2 011	25 935	4 005	262	1e
Brazil	17 673	35 574	10 665	35 844	16 546	1e
Chile	21 328	21 477	27 096	24 279	17 319	1e
China	420 000	362 000	320 000	368 000	370 000	2n
Costa Rica	4 000	4 000	16 462	14 642	15 000	2n
Czechia	43 000	46 000	18 000	44 000	38 000	1e
Denmark	108 800	115 000	120 600	143 100	101 900	1e
Ethiopia	5 000	5 000	5 000	5 000	5 000	2n
France	90 000	90 000	50 000	50 000	50 000	2n
Germany	53 802	51 511	58 519	50 321	44 439	1e
Iran	600	170	5 550	0	1 800	1a
Kenya	921	928	763	1 401	770	1e
Korea, South	40 910	65 240	49 616	49 097	120 941	1e
Mexico	129 274	144 105	140 928	107 062	102 906	1e
Mozambique	72 439	35 257	72 914	51 449	29 633	1e
Peru	91 103	85 406	94 860	104 660	98 872	1e
Poland	680	810	980	1 170	1 620	1e
Russia	51 000	51 000	176 800	180 000	200 000	2n
Spain	62 741	59 250	55 982	87 095	73 997	1a
Thailand				0	3 000	1n
Türkiye	220 757	100 327	207 732	237 267	154 444	1e
Uganda	0	96	433	21	0	1e
United States	768 000	822 000	998 000	827 000	849 000	1e
Total	2 299 083	2 198 777	2 616 327	2 571 961	2 456 129	

Feldspar

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	170 000	170 000	170 000	170 000	170 000	2n
Argentina	10 000	32 000	40 000	40 000	40 000	2n
Australia	50	1 241	52	945	54	1e
Austria	35 000	35 000	35 000	35 000	35 000	1e
Brazil	632 349	450 573	491 042	756 364	621 075	1e
Chile	55	329	0	0	28	1e
China	2 450 000	2 450 000	2 450 000	2 500 000	2 500 000	2n
Colombia	180 235	134 847	99 755	164 783	73 675	1e
Cuba	2 100	14 100	17 800	5 900	17 300	1e
Czechia	460 000	419 000	504 000	493 000	352 000	1e
Dominican Republic	1 000	0	0	0	2 100	1e
Ecuador	45 000	0	0	0	0	1e
Egypt	230 000	200 000	200 000	200 000	200 000	2n
Finland	17 997	16 137	52 706	63 034	55 211	1a
France	500 000	500 000	500 000	450 000	450 000	2n
Germany	235 289	221 527	223 007	205 330	180 994	1e
Guatemala	28 771	25 578	34 232	30 000	20 000	2n
India	6 172 997	4 820 000	6 430 000	6 000 000	6 000 000	2n
Indonesia	480 800	287 400	313 200	325 700	445 800	1e
Iran	2 415 368	1 910 505	2 803 515	3 094 356	3 860 951	1a
Italy	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	2n
Korea, South	396 898	415 426	987 309	851 046	990 546	1e
Malaysia	241 189	144 487	168 570	216 394	220 000	2n
Mexico	516 196	903 385	390 076	425 240	383 444	1e
Morocco	101 947	185 772	427 387	587 289	773 761	1a
Nigeria	33 702	19 453	43 997	37 250	76 575	1e
North Macedonia	29 519	13 115	26 625	35 815	34 591	1e
Norway	80 000	69 000	60 000	60 000	45 020	1a
Pakistan	295 381	343 075	451 985	413 000	415 000	2n
Peru	29 134	24 132	27 274	24 358	14 111	1e
Philippines	47 000	47 000	47 000	47 000	47 000	2n
Poland	42 160	29 440	11 110	15 030	46 930	1e
Portugal	106 754	122 969	145 362	167 673	159 047	1e
Romania	20 000	20 000	20 000	20 000	20 000	2n
Russia	281 300	290 000	290 000	300 000	400 000	2n
Saudi Arabia	216 000	523 000	621 000	652 000	650 000	2n
Slovakia	19 100	29 100	10 000	22 900	6 300	1e
South Africa	76 255	48 427	67 113	75 382	142 820	1e
Spain	855 139	911 095	820 749	716 535	617 009	1a
Sri Lanka	65 400	50 000	60 000	50 000	50 000	2n
Sudan	17 000	25 000	6 400	10 000	10 000	2n
Sweden	25 000	27 537	28 000	25 000	25 000	2n
Thailand	1 251 143	1 105 344	1 346 997	1 953 918	1 884 301	1e
Türkiye	9 447 810	10 050 911	12 936 959	15 781 540	9 478 458	1e
Uganda		0	95	1 388	555	1e
Ukraine	60 000	50 000	60 000	30 000	30 000	2n
United States	450 000	480 000	420 000	430 000	450 000	1e
Uruguay	100	210	240	300	800	1e
Venezuela	30 000	30 000	30 000	30 000	30 000	2n
Total	31 001 138	29 846 115	36 068 557	39 713 470	34 225 456	

Fluorspar

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Afghanistan	50 000	10 000	10 000	27 600	37 256	1e
Argentina	1 500	48 000	10 000	10 000	2 000	2n
Brazil	24 399	24 730	28 158	28 969	28 365	1e
Canada	80 000	50 000	50 000	20 000	0	1e
China	4 000 000	4 300 000	5 400 000	5 700 000	5 700 000	1e
Egypt	1 000	1 000	1 000	1 000	1 000	2n
Germany	79 959	64 933	56 632	61 563	35 508	1e
India	1 315	1 052	1 422	987	6 296	1e
Iran	54 824	116 159	65 000	62 005	39 321	1a
Korea, North	6 900	6 900	6 000	6 000	6 000	2n
Laos			0	315	2 716	1e
Mexico	1 231 465	914 597	1 007 118	1 000 626	1 162 591	1e
Mongolia	699 400	678 900	644 270	387 740	492 500	1e
Morocco	73 244	83 833	189 012	77 035	101 369	1a
Nigeria	4 730	17 557	39 087	25 900	23 960	1n
Pakistan	4 186	5 981	7 841	9 200	9 200	2n
Russia	4 000	32 000	76 000	76 000	56 000	1e
South Africa	252 974	330 000	400 000	410 000	452 000	1e
Spain	145 185	185 958	187 225	153 415	146 975	1a
Tajikistan	1 000	10 000	10 000	2 000	2 000	2n
Thailand	22 247	9 807	9 766	59 243	187 566	1e
Türkiye	14 400	19 896	10 348	17 252	32 407	1e
United Kingdom	14 000	15 000	16 674	13 000	8 000	2n
Vietnam	238 003	219 920	215 027	217 975	146 007	1n
Total	7 004 731	7 146 223	8 440 580	8 367 825	8 679 037	

Graphite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Austria	100	100	200	300	300	2n
Brazil	81 770	67 020	78 555	72 780	56 053	1e
Canada	4 332	16 239	9 290	13 000	4 261	1n
China	1 185 000	1 090 000	1 189 000	1 161 000	1 208 000	1e
Colombia	135	0	0	0	0	1e
Germany	207	108	181	185	136	1e
India	34 674	35 386	41 983	91 017	128 947	1e
Korea, North	45 000	45 000	30 000	20 000	20 000	2n
Korea, South	302	3 052	18 297	23 798	9 615	1e
Madagascar	45 106	61 405	127 562	114 634	60 720	1e
Mexico	2 342	2 033	1 509	3 420	3 124	1e
Mozambique	153 000	18 159	77 116	165 932	97 346	1e
Norway	9 780	5 549	6 293	10 380	6 483	1n
Russia	17 500	12 900	17 300	18 800	14 500	2e
Sri Lanka	3 100	2 500	3 388	3 096	2 998	1e
Tanzania	10 860	2 490	3 230	7 270	13 475	1e
Türkiye	9 990	15 205	28 336	27 715	27 974	1e
Ukraine	10 000	10 000	17 000	846	1 666	1n
Vietnam	3 500	3 700	1 200	500	1 100	2e
Total	1 616 698	1 390 846	1 650 440	1 734 673	1 656 698	

Gypsum and Anhydrite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Afghanistan	24 682	21 779	16 349	10 991	192 137	1e
Albania	106 070	111 880	116 295	78 239	95 262	1a
Algeria	2 200 000	2 200 000	2 500 000	2 500 000	2 500 000	2n
Angola	119 260	165 290	79 680	266 570	270 000	2n
Argentina	761 013	499 092	690 000	737 000	376 680	1e
Armenia	45 890	29 650	16 540	65 940	7 580	1e
Australia	4 000 217	3 428 633	4 193 215	4 830 208	4 917 390	1e
Austria	900 217	901 619	900 374	876 075	702 581	1e
Azerbaijan	314 224	297 594	417 892	369 908	599 141	1e
Bhutan	490 596	331 050	403 753	400 183	1 100 000	1e
Bolivia	3 905	1 000	1 000	168 922	89 000	1e
Bosnia-Herzegovina	130 788	140 994	297 225	135 408	104 125	1e
Brazil	2 842 654	2 851 643	3 260 209	5 159 687	5 754 563	1e
Bulgaria	88 000	54 800	77 400	77 000	30 400	1a
Canada	2 445 062	3 062 710	2 908 792	3 306 341	3 479 599	1e
Chile	977 397	910 310	1 007 206	978 846	832 770	1e
China	65 000 000	60 000 000	60 884 000	60 110 000	59 360 800	1e
Colombia	294 137	323 157	408 681	480 748	389 107	1e
Croatia	199 255	221 629	285 966	278 581	288 960	1a
Cuba	66 330	62 300	53 200	32 600	37 400	1e
Cyprus	623 545	646 340	661 175	688 270	690 909	1a
Czechia	10 000	17 000	17 000	20 000	11 000	1e
Dominican Republic	316 630	304 920	329 630	415 810	332 700	1e
Egypt	800 000	800 000	800 000	800 000	800 000	2n
Eritrea	18 000	18 000	26 000	26 000	26 000	2n
Ethiopia	56 313	107 070	110 000	110 000	110 000	2n
France	3 259 935	1 891 190	2 108 258	2 410 284	1 808 560	1e
Georgia	137 831	87 655	79 515	22 028	57 600	1a
Germany	4 850 000	5 200 000	6 260 000	5 820 000	4 730 000	1e
Greece	589 012	622 834	647 164	656 296	746 656	1a
Guatemala	140 901	423 281	138 552	206 143	240 109	1e
Honduras	34 964	45 254	45 000	75 000	75 000	2n
India	3 006 046	6 788 200	3 547 250	4 000 000	4 000 000	2n
Iran	14 750 093	15 124 823	14 322 761	18 406 880	18 895 228	1a
Iraq	1 000 000	1 000 000	1 000 000	1 100 000	1 100 000	2n
Ireland	200 000	150 000	110 000	110 000	110 000	2e
Israel	72 000	0	35 740	49 062	88 124	1a
Italy	298 242	163 749	0	847 447	418 061	1e
Jamaica	55 000	65 800	65 600	84 500	70 500	1e
Jordan	264 724	184 917	399 968	400 000	400 000	2n
Kazakhstan	78 200	94 500	184 700	233 100	149 600	1e
Kenya	5 700	5 700	6 000	6 000	6 000	2n
Kyrgyzstan	150 000	23 019	31 680	120 000	120 000	2n
Laos	606 387	737 749	1 221 959	1 589 771	1 252 577	1e
Latvia	318 450	359 190	383 990	0	348 070	1e
Libya	200 000	200 000	200 000	300 000	300 000	2n
Mauritania	130 000	120 000	70 000	120 000	120 000	2n
Mexico	7 759 139	7 977 953	9 157 381	8 283 113	9 786 105	1e
Moldova	276 400	292 600	307 900	270 200	180 800	1a
Mongolia	107 100	97 900	111 400	111 500	112 000	2n
Morocco	120 000	120 000	120 000	120 000	116 471	1e
Myanmar	299 316	258 620	51 240	96 246	360 000	2e
Nicaragua	39 925	64 573	19 999	39 865	53 110	1e
Nigeria	22 142	30 706	21 346	183 628	45 235	1e
North Macedonia	267 181	229 322	273 497	190 902	274 403	1e
Norway	102 100	93 602	92 794	86 317	0	1a

Oman	10 982 900	11 120 200	13 538 800	10 591 600	13 253 100	1e
Pakistan	2 517 825	2 149 873	2 527 215	2 325 400	1 639 730	1e
Paraguay	4 500	4 500	4 500	4 500	4 500	2n
Peru	254 382	171 093	435 459	315 292	338 598	1e
Poland	1 065 000	1 057 000	1 123 000	1 034 000	892 000	1e
Portugal	209 076	210 231	254 913	191 753	101 322	1e
Romania	878 546	925 782	952 617	897 176	841 964	1e
Russia	4 179 300	4 060 000	4 629 000	4 630 000	4 800 000	2n
Saudi Arabia	3 472 000	3 803 000	3 640 000	3 822 000	3 800 000	2n
Slovakia	58 250	72 300	66 600	54 300	60 000	2n
South Africa	277 102	205 542	277 376	243 008	226 749	1e
Spain	11 279 443	13 376 353	14 629 150	14 380 727	14 462 507	1a
Sudan	193 000	173 000	136 000	150 000	150 000	2n
Switzerland	330 000	320 000	330 000	330 000	330 000	2n
Syria	70 000	70 000	200 000	225 000	250 000	2n
Tajikistan	14 000	8 183	12 500	15 100	15 500	1e
Tanzania	256 529	443 926	598 053	604 408	549 836	1e
Thailand	9 787 287	9 279 119	10 402 998	9 847 562	8 736 085	1e
Tunisia	946 892	890 000	908 130	900 000	900 000	2n
Türkiye	7 489 129	9 280 864	10 620 061	10 679 212	10 336 796	1e
Ukraine	1 409 400	1 529 000	1 783 300	499 448	100 000	2n
United Kingdom	1 600 000	1 300 000	2 400 000	2 400 000	2 400 000	2n
United States	21 600 000	21 300 000	20 800 000	22 300 000	21 500 000	1e
Yemen	20 000	20 000	20 000	20 000	20 000	2n
Total	200 869 534	201 731 563	211 764 948	215 322 095	214 771 000	

Kaolin

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	100 000	100 000	120 000	120 000	120 000	2n
Argentina	11 853	20 628	25 000	26 000	22 786	1e
Australia	114 050	154 812	173 187	170 181	115 890	1e
Austria	13 500	13 500	13 500	13 500	13 500	2n
Bosnia-Herzegovina	118 005	108 174	62 599	24 529	21 541	1e
Brazil	1 471 610	1 239 591	1 153 884	1 189 531	828 394	1e
Bulgaria	330 000	276 000	380 000	236 000	210 000	1a
Chile	34 801	38 789	49 533	44 232	51 300	1e
China	6 400 000	6 500 000	7 240 000	7 822 000	8 292 000	1e
Colombia	105 731	46 697	79 343	40 839	143 533	1e
Cuba	2 100	2 032	1 375	458	1 465	1e
Czechia	3 446 000	3 069 000	3 454 000	3 009 000	2 402 000	1e
Egypt	230 000	230 000	230 000	230 000	230 000	2n
Ethiopia	1 000	1 000	1 000	1 000	1 000	2n
France	392 389	231 579	289 057	310 251	268 828	1e
Germany	4 760 000	4 969 000	5 291 000	4 594 000	3 523 000	1e
Guatemala	700	402	295	300	300	2n
India	8 000 000	8 000 000	8 000 000	8 400 000	8 400 000	2n
Indonesia	2 754 600	1 636 000	1 568 000	975 300	1 609 600	1e
Iran	1 813 395	1 923 895	1 348 232	2 600 110	3 026 428	1a
Italy	250 000	200 000	180 000	200 000	177 221	1e
Japan	12 000	12 000	12 000	12 000	12 000	2n
Jordan	11 000	11 000	11 000	11 000	11 000	2n
Kenya	1 000	800	900	1 900	500	1n
Korea, South	317 626	393 236	352 003	426 960	332 179	1e
Kyrgyzstan	15 000	15 000	15 000	4 000	5 000	2n
Malaysia	400 722	336 565	228 605	236 840	290 366	1e
Mexico	246 645	236 033	223 332	227 798	159 570	1e

New Zealand	50 569	50 000	55 000	55 000	50 000	2n
Nigeria	8 649	7 033	41 020	70 396	29 843	1e
Oman	34 100	58 300	35 350	0	0	1e
Pakistan	20 756	14 919	12 309	17 000	14 130	1e
Paraguay	6 000	6 000	6 000	6 000	6 000	2n
Peru	9 208	12 536	13 142	14 300	11 876	1e
Philippines	15 000	40 200	27 700	18 612	21 780	1e
Poland	317 190	292 940	315 040	317 570	276 120	1e
Portugal	311 677	320 655	386 623	426 848	427 187	1e
Romania	6 089	0	0	0	0	1e
Russia	1 530 800	2 478 000	2 193 800	3 000 000	5 100 000	1e
Saudi Arabia	227 000	213 000	266 000	279 000	280 000	2n
Serbia	254 000	234 000	249 000	301 000	275 000	1e
Slovakia	24 970	30 960	38 780	24 610	12 250	1e
South Africa	27 827	20 639	29 168	10 553	8 690	1e
Spain	463 617	274 137	303 743	277 170	403 105	1a
Sri Lanka	34 100	30 000	30 000	30 000	30 000	2n
Sudan	29 000	19 700	3 700	20 000	20 000	2n
Taiwan	500	404	30	0	45	1e
Tanzania	15 343	98 454	100 950	46 973	75 247	1e
Thailand	92 414	87 320	124 798	86 076	169 644	1e
Türkiye	1 283 776	1 224 746	1 748 014	2 289 367	1 348 023	1e
Uganda	10 448	12 014	10 264	226	8 809	1e
Ukraine	1 843 561	1 680 891	2 317 723	647 980	550 000	2n
United Kingdom	644 000	572 000	735 000	788 000	771 994	1e
United States	5 120 000	4 640 000	4 360 000	4 340 000	4 560 000	2e
Uzbekistan	377 184	373 440	413 910	441 900	580 000	2n
Vietnam	100 000	100 000	100 000	50 000	50 000	2n
Total	44 211 505	42 658 021	44 419 909	44 486 310	45 349 144	

Magnesite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	413 182	799 203	893 623	460 408	432 319	1e
Austria	691 909	816 370	842 679	707 267	669 400	1e
Bosnia-Herzegovina	1 400	652	196	0	0	1e
Brazil	1 530 000	1 550 000	1 800 000	1 700 000	1 413 000	1n
Canada	150 000	160 000	180 000	230 000	230 000	1e
China	19 000 000	19 000 000	18 000 000	17 000 000	15 000 000	2n
Colombia	1 847	1 077	3 116	2 694	2 540	1e
Cuba	1 532	3 910	3 000	548	260	1e
Finland	37 002	136 167	179 781	324 226	298 025	1a
Greece	358 841	335 943	393 715	393 287	135 363	1a
Guatemala	4 500	6 000	14 100	10 000	10 000	2n
India	102 554	74 661	110 023	112 891	123 207	1e
Iran	147 760	256 124	248 376	210 513	218 152	1a
Korea, North	100 000	100 000	80 000	80 000	80 000	2n
Mexico	800					1e
Pakistan	42 996	16 165	15 120	5 886	4 954	1e
Philippines	40	0	0	0	0	1e
Poland	91 490	65 250	65 820	66 380	28 630	1e
Russia	1 013 800	1 281 400	1 108 700	1 327 100	1 058 400	1e
Saudi Arabia	200 000	250 000	250 000	176 049	90 000	1n
Slovakia	1 015 800	787 476	781 600	592 900	432 200	1e
South Africa	8 100	8 500	5 000	8 000	6 000	2n

Spain	634 580	626 055	703 834	676 699	667 248	1a
Türkiye	1 496 081	1 560 818	1 927 280	1 820 068	1 333 728	1e
United States	294 590	419 076	442 976	357 811	523 540	1e
Total	27 338 804	28 254 847	28 048 939	26 262 727	22 756 966	

Perlite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Argentina	21 236	13 176	18 016	32 450	32 000	2n
Armenia	80 676	104 410	168 242	60 280	12 325	1e
Australia	1 264	2 185	3 821	2 638	2 669	1e
Bulgaria	5 300	5 200	5 000	5 000	5 000	1n
Chile	4 700	0	0	0	1 997	1e
Georgia	21 000	31 736	31 572	51 829	64 000	1a
Greece	718 077	821 233	1 053 019	839 108	842 376	1a
Hungary	43 900	44 000	60 000	85 505	80 000	2n
Iran	31 828	52 750	77 024	6 709	69 670	1a
Mexico	24 497	0	28 800	0	0	1e
Philippines	6 608	0	4 631	24 878	18 384	1e
Russia	45 000	45 000	45 000	45 000	65 000	1n
Slovakia	32 450	37 850	37 240	38 280	39 270	1e
South Africa	1 000	1 000	1 000	1 000	1 000	2n
Thailand	15 000	3 500	3 500	2 500	2 500	1e
Türkiye	1 174 486	1 146 341	1 428 695	1 319 432	1 174 125	1e
United States	629 000	853 000	879 000	672 000	654 000	1e
Total	2 856 022	3 161 381	3 844 560	3 186 609	3 064 316	

Phosphate Rock (P₂O₅-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	409 400	455 100	409 900	616 000	671 500	2n
Australia	195 720	165 750	215 700	170	150	1e
Brazil	1 980 300	1 828 500	1 827 900	1 793 000	1 869 300	1n
Algeria	455 100	409 900	616 000	613 600	632 000	2e
Australia	165 750	215 700	170	361 180	520 390	1e
Brazil	1 828 500	1 827 900	1 793 000	1 869 300	1 776 800	1n
Chile	950	590	620	940	2 740	1e
China	27 997 200	26 679 960	30 869 700	31 423 500	31 592 700	1e
Christmas Island	127 730	81 230	100 220	95 170	141 900	1n
Colombia	20 670	14 710	17 110	19 110	11 760	1e
Cuba	0	460	410	320	0	1e
Egypt	979 620	885 100	898 400	1 084 900	1 100 000	2n
Finland	363 020	363 200	363 720	341 600	330 710	1e
India	332 940	339 200	317 200	413 900	383 400	1e
Iran	102 230	105 000	83 900	95 430	80 790	1a
Iraq	300 000	300 000	0	0	0	2n
Israel	898 200	988 800	777 900	694 400	738 900	1n
Jordan	2 951 470	2 860 140	3 204 880	3 602 500	3 665 250	1e
Kazakhstan	388 540	456 010	426 330	428 040	511 120	1e
Malawi	300	0	0	0	0	1e
Mexico	249 520	91 240	145 050	132 510	125 700	1e

Morocco	11 267 500	11 959 000	12 176 200	9 728 000	9 158 800	1a
Nauru	30 600	39 400	102 500	97 500	54 400	1e
Pakistan	17 320	15 790	21 640	32 000	27 000	2n
Peru	1 331 000	1 031 300	1 293 100	1 314 600	1 430 400	1e
Philippines	200	200	0	0	570	1e
Russia	5 382 000	5 382 000	5 517 800	5 597 100	5 632 300	1n
Saudi Arabia	2 275 000	2 600 000	2 730 000	2 950 000	3 250 000	2n
Senegal	855 850	684 300	792 800	859 970	940 110	1e
South Africa	639 000	650 600	621 300	714 800	628 000	1e
Sri Lanka	16 600	18 240	23 880	12 360	16 330	1e
Syria	134 000	580 000	400 000	250 000	250 000	2n
Tanzania	5 050	6 240	5 390	5 850	6 980	1e
Togo	260 320	488 900	538 860	570 460	561 470	1e
Tunisia	1 124 700	911 800	1 080 700	1 033 300	844 200	1e
Türkiye	94 600	261 900	287 100	289 000	381 400	1e
United States	6 547 000	6 604 000	6 070 000	5 564 000	5 508 000	1e
Uzbekistan	137 100	150 500	158 700	160 100	186 500	2e
Venezuela	21 500	20 000	20 000	10 000	10 000	2n
Vietnam	1 346 880	606 650	813 960	711 780	895 020	3e
Zimbabwe	8 100	13 500	11 900	6 600	2 700	1e
Total	68 656 060	67 643 460	72 280 440	71 083 820	71 398 340	

Potash (K₂O-Content)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia			0	2 418	5 503	1e
Belarus	7 348 293	7 562 153	7 750 000	3 570 000	6 380 000	1e
Bolivia	17 800	4 400	32 600	42 600	53 700	1e
Brazil	248 911	254 837	213 028	299 636	363 275	1e
Canada	12 820 345	13 732 918	14 275 819	14 393 181	14 043 046	1e
Chile	683 540	966 680	891 450	676 350	743 930	1e
China	5 902 000	5 530 000	5 814 600	5 910 000	5 470 400	1e
Germany	2 615 284	2 874 026	2 793 326	2 708 650	2 536 308	1e
Iran	37 200	37 000	40 000	40 000	50 000	2n
Israel	2 043 500	2 415 600	2 379 000	2 446 710	2 341 050	1a
Jordan	1 516 460	1 598 200	1 563 430	1 637 240	1 695 800	1e
Laos	286 900	442 500	507 600	920 000	2 050 800	1e
Russia	7 368 000	8 194 200	8 890 000	5 878 000	7 864 000	1n
Spain	519 644	351 918	375 779	429 896	420 000	1a
Turkmenistan	11 100	16 000	19 000	26 500	260 700	1n
United Kingdom	88 480	99 260	110 460	133 420	141 260	1n
United States	510 000	460 000	480 000	430 000	390 000	1e
Uzbekistan	198 400	210 000	197 600	228 000	238 500	2e
Total	42 215 857	44 749 692	46 333 692	39 772 601	45 048 272	

Salt

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Afghanistan	41 157	12 015	10 700	41 573	79 316	1e
Albania	30 000	30 000	30 000	30 000	20 000	2n
Algeria	100 800	95 100	107 800	103 200	112 700	2e

Angola	109 445	164 433	201 699	213 800	252 000	1e
Argentina	1 566 600	1 051 445	1 389 375	600 000	1 080 650	1e
Armenia	56 685	24 401	25 948	52 829	44 285	1e
Australia	12 173 391	12 212 483	12 574 025	12 246 020	12 176 705	1e
Austria	1 212 158	1 014 554	1 117 586	977 676	1 146 551	1e
Azerbaijan	77 116	76 401	71 495	77 455	73 267	1e
Bahamas	663 850	720 030	425 710	633 380	712 420	1e
Bangladesh	1 824 000	1 570 000	1 651 000	1 832 000	2 232 000	1e
Belarus	2 517 590	1 198 290	2 265 000	2 000 000	2 300 000	2n
Benin	500	500	500	500	500	2n
Bolivia	4 494	14 949	21 777	15 042	21 900	2e
Bosnia-Herzegovina	1 069 210	947 838	966 358	1 109 253	1 165 909	1e
Botswana	383 779	418 379	499 527	323 303	387 956	1e
Brazil	6 700 500	6 464 300	6 534 300	7 000 000	7 000 000	2e
Bulgaria	3 400 000	2 700 000	3 300 000	3 300 000	2 700 000	1a
Cambodia	18 430	83 969	68 682	35 000	81 154	1e
Canada	11 911 268	13 518 704	11 002 261	15 155 260	11 720 185	1e
Cape Verde	1 000	2 585	2 621	2 600	2 600	2n
Chile	10 476 823	9 574 159	8 565 307	10 501 352	10 721 181	1e
China	67 014 400	58 526 800	57 065 100	53 598 800	52 685 800	1e
Colombia	376 309	409 976	370 318	379 081	374 873	1e
Croatia	93 870	111 901	111 319	102 671	52 270	1a
Cuba	210 370	226 000	204 600	195 600	87 900	1e
Denmark	600 000	600 000	600 000	600 000	600 000	1e
Dominican Republic	26 000	24 000	19 972	24 957	29 250	2n
Egypt	493 000	357 000	218 000	162 000	200 000	2n
El Salvador	30 000	30 000	30 000	30 000	30 000	2n
Eritrea	310 000	320 000	320 000	320 000	320 000	2n
Ethiopia	125 000	125 000	125 000	250 000	250 000	2n
France	5 160 260	5 200 596	5 543 448	5 621 754	4 373 125	1e
Germany	16 627 893	14 226 154	17 668 366	15 073 463	13 486 651	1e
Ghana	300 000	330 000	300 000	300 000	150 000	1e
Greece	201 107	201 000	210 000	220 000	220 000	2n
Honduras	49 900	61 200	63 500	60 000	65 000	2n
Iceland	5 000	5 000	5 000	5 000	5 000	2n
India	28 058 400	26 564 400	26 600 100	39 114 000	34 000 000	2e
Indonesia	2 852 125	1 365 711	879 986	635 865	2 214 766	1e
Iran	2 639 192	3 200 232	3 083 719	3 877 712	4 177 958	1a
Iraq	270 000	300 000	57 602	60 000	200 000	2n
Israel	301 000	275 200	262 350	297 860	264 691	1a
Italy	1 538 072	1 192 956	1 500 458	1 460 833	1 044 156	1e
Jamaica	10 000	10 000	10 000	10 000	10 000	2n
Japan	903 000	874 000	855 000	897 000	792 000	1e
Jordan	36 850	39 088	42 359	40 000	40 000	2n
Kazakhstan	1 094 659	1 237 455	1 231 996	1 678 469	1 859 206	1e
Kenya	13 728	4 703	7 099	23 215	55 091	1e
Korea, North	100 000	100 000	100 000	100 000	100 000	2n
Korea, South	261 970	176 247	280 876	260 616	242 050	1e
Kuwait	58 600	59 000	60 000	60 000	60 000	2n
Kyrgyzstan	5 605	6 000	6 000	11 000	11 000	2n
Laos	10 079	3 951	6 846	188	3 538	1e
Lebanon	3 000	3 000	3 000	3 000	3 000	1e
Libya	30 000	30 000	40 000	40 000	50 000	2n
Madagascar	110 000	110 000	110 000	120 000	100 000	2n
Malta	2 000	2 000	2 000	2 000	2 000	2n
Mauritius	570	556	793	674	249	1e
Mexico	8 845 239	9 084 859	7 001 505	7 914 780	7 686 773	1e
Mongolia	533	2 624	1 796	1 343	1 780	1e
Morocco	854 397	490 896	295 741	652 578	559 149	1a
Mozambique	50 740	38 377	34 453	13 482	10 406	1e
Myanmar	213 319	229 755	161 774	138 413	200 000	2n
Namibia	983 354	987 872	926 677	1 022 448	1 154 116	1e

Netherlands	5 913 782	5 712 038	6 201 542	5 893 118	4 883 185	1e
New Zealand	76 000	66 000	30 000	0	70 000	1n
Nicaragua	55 000	55 000	55 000	55 000	50 000	2n
Norway	10 000	5 300	13 000	13 000	0	1a
Oman	15 003	11 700	10 142	11 500	7 300	1e
Pakistan	4 012 304	3 483 732	3 592 205	2 896 000	3 107 500	2e
Panama	27 389	24 958	23 593	22 742	30 004	1a
Peru	1 266 347	1 030 598	1 175 828	1 093 559	1 008 624	1e
Philippines	200 000	200 000	100 000	60 000	100 000	1e
Poland	3 800 000	3 460 000	3 950 000	3 883 000	3 275 000	1e
Portugal	112 215	97 104	94 778	125 853	139 190	1e
Romania	2 015 579	1 175 979	1 328 738	1 461 264	1 244 111	1n
Russia	8 175 000	6 026 000	8 242 000	8 186 000	7 658 000	1e
Saudi Arabia	2 778 000	2 220 000	2 231 000	2 342 000	2 400 000	2n
Senegal	286 100	290 873	306 347	320 628	272 615	1e
Serbia	13 464	6 703	6 469	5 969	5 311	1e
Slovenia	1 437	805	1 671	2 342	738	1a
South Africa	510 012	538 355	545 942	570 012	615 889	1e
Spain	4 330 514	3 676 039	4 329 090	3 987 690	3 269 197	1a
Sri Lanka	57 291	60 076	63 254	111 000	60 000	2n
Sudan	263 000	237 000	121 000	200 000	140 000	2n
Switzerland	477 325	324 527	512 700	422 665	373 183	1n
Syria	50 000	70 000	70 000	112 000	112 000	2n
Taiwan	76 255	77 854	77 297	78 415	111 662	1e
Tajikistan	35 324	37 023	26 898	31 111	44 171	1e
Tanzania	99 510	83 974	112 995	181 818	159 020	1e
Thailand	1 580 390	1 439 877	1 563 970	1 737 090	1 392 649	1e
Tunisia	1 966 528	1 666 075	1 889 614	1 900 000	1 900 000	1e
Türkiye	6 961 015	7 698 018	7 843 502	9 085 711	8 587 332	1e
Turkmenistan	100 000	94 600	96 000	96 480	98 000	1e
Ukraine	2 092 795	2 075 000	1 900 000	500 000	0	2n
United Kingdom	2 377 765	2 327 965	2 687 483	2 645 573	2 715 118	1e
United States	44 800 000	42 600 000	39 300 000	39 400 000	42 000 000	2e
Venezuela	600 000	500 000	300 000	350 000	650 700	1e
Vietnam	945 000	1 134 600	1 208 100	569 900	648 700	3e
Yemen	50 000	50 000	50 000	50 000	50 000	2n
Total	291 338 681	267 595 817	267 308 582	280 030 485	268 982 276	

Sulfur

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Algeria	6 000	6 000	6 000	6 000	6 000	2n
Armenia	10 500	11 500	14 100	14 000	14 400	1e
Australia	900 000	900 000	900 000	900 000	900 000	2n
Austria	6 768	6 564	4 755	4 672	4 400	1e
Bahrain	139 655	124 490	129 350	128 780	133 100	1e
Brazil	460 000	450 000	435 000	519 600	490 000	2n
Bulgaria	423 600	497 000	434 500	515 500	431 700	1n
Canada	4 808 913	4 904 051	4 879 000	4 898 600	4 981 400	2e
Chile	1 518 700	1 735 100	1 662 200	1 591 200	1 594 200	1e
China	14 450 000	15 340 000	15 730 000	16 970 000	18 500 000	2e
Colombia	100 203	69 638	35 930	31 530	32 000	2n
Cuba	317 000	311 200	278 900	289 200	260 000	1e
Denmark	3 554	4 140	4 090	3 727	2 700	1e
Egypt	80 000	80 000	80 000	80 000	80 000	2n
Finland	811 600	794 900	737 600	696 800	693 600	1n
France	500 000	450 000	450 000	450 000	400 000	2n

Germany	460 012	353 293	382 049	370 664	276 876	1e
Greece	260 000	210 000	250 000	250 000	230 000	2n
India	3 900 950	3 750 000	3 681 000	3 725 000	3 881 000	2n
Indonesia	500 000	500 000	500 000	500 000	500 000	2n
Iran	2 200 000	2 200 000	2 000 000	2 000 000	864 275	1a
Iraq	40 000	40 000	179 600	180 000	180 000	2n
Italy	1 261 100	458 700	613 100	745 200	303 600	1e
Japan	3 259 000	3 140 500	2 995 100	3 197 900	3 017 400	2e
Jordan	255 060	282 200	316 540	321 440	300 840	1e
Kazakhstan	3 834 100	4 378 900	4 587 200	4 310 200	4 742 700	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	623 300	649 800	959 000	1 268 500	1 138 900	1e
Libya	169 500	133 300	139 000	139 500	138 200	1e
Lithuania	86 040	71 250	72 990	64 497	54 538	1e
Mexico	364 967	315 935	219 439	290 121	216 900	1e
Namibia	72 920	81 500	118 150	161 120	120 250	1n
Norway	90 000	86 000	89 000	81 000	82 000	1n
Oman	79 140	80 830	87 765	87 160	80 060	1e
Pakistan	20 715	19 948	19 398	16 288	11 692	1e
Peru	511 500	474 500	529 900	588 300	603 600	1e
Philippines	716 100	575 900	625 500	88 200	100 000	2n
Poland	1 210 240	1 011 080	1 058 800	1 046 970	946 350	1e
Qatar	2 050 000	1 650 000	2 100 000	3 150 000	3 050 000	2n
Russia	7 175 000	6 850 000	4 690 900	5 989 439	5 960 000	1e
Saudi Arabia	6 600 000	6 600 000	6 600 000	7 000 000	7 000 000	2n
South Africa	919 624	608 509	105 924	70 640	63 695	1e
Spain	663 100	584 300	687 800	641 800	737 700	1e
Sweden	347 990	339 890	375 370	379 200	385 000	2n
Taiwan	195 358	167 337	192 228	162 571	122 238	1e
Türkiye	242 600	117 400	120 600	132 700	140 800	2e
Turkmenistan	330 000	470 000	590 000	320 000	400 000	2n
Ukraine	220 400	223 500	255 600	150 000	100 000	2n
United Arab Emirates	5 980 000	5 500 000	5 950 000	5 384 000	6 300 000	2e
United Kingdom	130 000	106 000	107 000	121 000	120 000	2n
United States	8 710 000	7 880 000	8 070 000	8 640 000	8 650 000	1e
Uzbekistan	511 900	516 600	534 600	541 700	517 000	1n
Venezuela	500 000	300 000	300 000	300 000	300 000	2n
Zambia	960 200	917 300	691 900	640 800	576 200	1n
Total	81 997 309	79 339 055	78 586 878	82 165 519	82 745 314	

Talc

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Afghanistan	345 052	95 923	441 372	382 211	215 252	1e
Argentina	10 000	2 304	1 800	2 400	2 242	1e
Australia	140 000	110 000	90 000	111 000	129 000	2e
Austria	124 184	123 000	157 493	157 047	138 621	1e
Bhutan	1 375	972	678	740	400	1e
Brazil	650 000	650 000	660 000	700 000	600 000	2n
Canada	243 000	153 293	153 000	200 000	200 000	2n
China	1 800 000	1 300 000	1 400 000	1 400 000	1 400 000	2n
Colombia	2 757	717	3 170	5 222	1 690	1e
Egypt	22 000	20 000	15 000	20 000	20 000	2n
Finland	329 891	278 331	296 833	241 538	197 116	1a
France	400 000	400 000	350 000	350 000	350 000	2n
Guatemala	10	3 151	2 111	1 450	1 370	2n

India	1 748 963	1 720 000	1 575 000	1 630 000	1 450 000	2n
Iran	49 650	61 665	74 537	93 535	132 673	1a
Italy	160 000	165 000	165 000	180 000	164 000	2n
Japan	160 000	116 000	135 000	140 000	140 000	2n
Kenya				0	949	1e
Korea, South	330 250	315 446	355 104	322 830	306 929	1e
Mexico	7 202	29 122	36 465	34 630	20 534	1e
Nepal	7 813	4 931	4 450	2 088	4 123	1e
Nigeria	6 630	8 404	65 061	2 777	64 400	1e
Pakistan	158 109	150 009	289 423	301 400	164 200	1e
Peru	43 974	37 938	50 355	49 869	53 894	1e
Portugal	12 901	9 751	8 277	4 273	5 673	1e
Russia	48 000	104 000	50 000	100 000	0	2n
Saudi Arabia	48 000	61 000	167 000	175 000	180 000	2n
Slovakia	70 100	91 600	99 900	114 600	100 000	2n
South Africa	135 430	92 318	270 944	438 698	319 775	1e
Spain	13 100	2 920	651	0	0	1a
Sudan	2 000	0	4 500	4 500	4 500	2n
Taiwan	6	0	43	0	0	1e
Thailand	14 564	38 146	31 950	30 369	32 484	1e
Türkiye	92 077	143 470	220 350	43 196	232 927	1e
United Kingdom	3 131	1 386	1 397	2 795	2 000	2n
United States	578 000	491 000	577 000	511 000	508 000	1e
Uruguay	50	520	570	1 162	145	1e
Total	7 758 219	6 782 317	7 754 434	7 754 330	7 142 897	

Vermiculite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Brazil	47 581	58 821	70 500	70 913	52 638	1e
Bulgaria	10 500	10 000	10 000	10 000	10 000	1n
China	50 000	50 000	40 000	40 000	35 000	2n
India	2 774	1 260	3 485	2 091	1 537	1e
Kenya	100	0	700	300	600	2n
Mexico	148	104	0	0	76	1e
Russia	29 237	28 442	39 804	35 619	35 607	1e
South Africa	158 013	118 223	150 104	171 898	169 797	1e
Türkiye	1 370	19 230	3 300	21 230	10 500	1e
Uganda	9 674	14 170	21 754	22 947	23 837	1e
United States	100 000	100 000	100 000	100 000	100 000	1e
Zimbabwe	25 524	26 388	27 713	26 380	28 277	1e
Total	434 921	426 638	467 360	501 378	467 869	

Zircon

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	468 900	380 000	569 000	470 000	462 000	2e
Brazil	17 136	10 994	6 482	6 513	8 397	1e
China	140 000	140 000	140 000	140 000	100 000	2n
India	15 600	16 000	16 000	16 000	15 000	2n
Indonesia	73 100	77 200	54 630	97 400	95 300	1n

Kenya	30 440	31 730	28 933	29 715	21 153	1n
Madagascar	29 473	26 029	23 109	30 701	34 376	1e
Malaysia	449	157	1 518	768	800	2n
Mozambique	121 768	104 076	123 011	134 082	143 505	1e
Nigeria	1 000	242	3 033	4 705	4 980	2e
Russia	6 300	6 000	6 650	5 600	6 000	2e
Senegal	80 747	83 257	90 760	84 062	73 325	1e
Sierra Leone	8 500	4 564	39 352	34 065	27 776	1e
South Africa	368 336	311 800	301 000	307 285	289 479	1e
Sri Lanka	971	419	400	267	556	1e
Ukraine	18 000	16 000	28 800	14 100	5 000	2n
United States	30 000	30 000	30 000	20 000	20 000	2n
Vietnam	6 600	10 700	30 400	16 500	16 750	2e
Total	1 417 320	1 249 168	1 493 078	1 411 763	1 324 397	

6.4.5 Mineral Fuels

Steam Coal

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Afghanistan	1 604 700	56 620	340 800	517 000	1 238 000	1e
Albania	95 380	151 231	242 425	182 080	191 406	1a
Argentina	154 782	24 800	25 300	25 300	85 000	1e
Australia	271 388 000	267 504 000	247 481 000	248 573 000	233 043 000	1p
Bangladesh	805 696	811 138	753 973	488 676	767 307	1n
Bhutan	184 785	72 838	111 545	158 603	113 950	1e
Botswana	2 110 891	1 923 992	2 021 218	2 460 868	2 064 373	1e
Brazil	3 812 975	3 171 509	4 768 003	3 473 384	3 163 068	1e
Canada	15 078 380	13 291 550	12 358 380	12 638 080	9 249 320	1p
Chile	1 606 554	191 562	18 541	26 962	121 570	1e
China	2 970 445 000	2 999 940 000	3 248 607 000	3 664 678 000	3 821 084 000	1p
Colombia	81 382 325	49 913 080	56 328 800	58 115 655	59 627 100	1e
Czechia	1 335 497	841 188	739 460	1 293 831	1 375 256	1n
Eswatini	109 926	161 768	162 681	215 581	393 328	1e
Georgia	15 300	99 300	147 900	146 347	148 029	1e
India	677 938 000	671 296 000	726 508 000	832 432 000	931 005 000	1e
Indonesia	594 796 500	561 979 800	564 815 600	682 102 100	769 103 900	1p
Iran	485 000	450 000	318 200	364 200	386 400	1e
Kazakhstan	98 593 000	97 924 100	102 638 500	104 500 100	104 621 500	1e
Korea, North	20 210 000	19 000 000	15 600 000	16 300 000	17 100 000	1e
Korea, South	1 084 000	1 019 000	897 900	820 181	645 949	1e
Kyrgyzstan	346 500	522 200	570 300	538 500	863 500	1e
Laos	161 494	320 231	698 521	1 270 812	3 644 064	1e
Malawi	54 728	54 876	30 251	62 166	64 251	1e
Malaysia	3 459 122	2 978 248	3 110 605	3 405 847	4 052 344	1e
Mexico	5 316 000	3 357 000	4 312 000	4 300 000	531 904	1e
Mongolia	6 683 100	5 394 200	4 638 214	5 844 344	13 440 980	1p
Mozambique	4 983 146	3 370 585	5 346 781	8 420 436	7 763 290	1e
Myanmar	1 325 586	1 283 428	992 159	1 179 400	1 880 000	2n
Nepal	7 184	7 250	10 714	6 803	2 805	1e
New Zealand	1 545 230	1 482 000	1 448 565	1 292 541	1 213 841	1p
Niger	225 920	246 880	105 760	235 328	193 632	1e
Nigeria	543 424	747 979	1 444 139	1 505 197	481 692	1e
Norway	117 000	63 000	121 000	118 000	119 745	1n

Pakistan	5 406 878	8 599 166	9 229 377	9 678 000	15 069 760	1e
Peru	181 023	131 516	144 579	192 094	233 364	1e
Philippines	15 273 525	13 190 000	14 293 000	16 094 000	16 560 000	1e
Poland	49 552 170	42 111 970	42 421 560	40 464 610	36 428 460	1e
Russia	266 700 000	240 900 000	262 226 600	242 600 000	232 000 000	1e
South Africa	252 040 300	245 089 400	230 333 900	227 570 100	228 731 000	1p
Tajikistan	2 027 790	2 029 100	2 088 700	2 393 600	2 084 200	1e
Tanzania	712 136	689 959	976 319	2 511 419	3 256 481	1e
Türkiye	2 695 628	2 457 720	2 288 148	2 474 890	2 448 755	1p
Ukraine	19 747 200	17 733 500	20 554 900	17 829 600	13 330 000	1e
United Kingdom	1 849 060	1 166 420	717 080	457 050	345 860	1e
United States	521 540 300	394 850 100	429 228 900	439 784 100	426 601 300	1e
Uzbekistan	245 168	246 800	258 100	264 800	352 000	1e
Venezuela	379 907	683 583	223 660	148 585	150 000	2n
Vietnam	47 158 000	44 598 400	48 315 600	49 688 100	47 258 700	1e
Zambia	361 648	446 153	663 345	823 450	706 115	1e
Zimbabwe	2 428 370	2 328 030	1 716 120	3 125 100	3 826 750	1e
Total	5 956 304 228	5 726 903 170	6 073 394 123	6 713 790 820	7 019 162 249	

Coking Coal

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	189 066 000	183 764 000	171 122 000	168 589 000	166 738 000	1p
Canada	29 952 270	25 315 420	26 937 110	27 409 100	30 897 530	1p
China	538 634 000	561 254 300	547 540 900	553 958 100	540 986 400	1p
Colombia	7 120 830	6 896 425	7 401 317	8 704 076	8 930 440	1e
Czechia	2 309 833	1 296 137	1 734 896	816 254	637 091	1n
India	52 936 000	44 787 000	51 702 000	60 759 000	66 821 000	1e
Indonesia	5 752 018	4 800 000	6 000 000	6 078 000	6 078 000	1p
Iran	1 600 000	1 423 900	980 000	1 909 050	1 155 650	1e
Kazakhstan	10 478 500	10 052 900	8 752 200	7 627 000	6 819 900	1e
Mexico	3 275 000	3 897 000	1 319 000	1 300 000	1 000 000	2n
Mongolia	28 962 970	25 821 930	23 140 390	25 352 470	51 319 850	1p
Mozambique	5 356 390	4 670 626	5 732 902	6 385 797	7 212 589	1e
New Zealand	1 200 900	1 038 970	1 134 310	1 068 687	1 110 810	1p
Poland	12 071 220	12 273 960	12 584 820	12 364 750	11 924 180	1e
Russia	93 900 000	88 600 000	100 800 000	105 000 000	106 000 000	1e
South Africa	3 722 225	2 057 020	2 840 646	2 350 879	2 880 342	1p
Türkiye	698 870	617 280	619 565	541 495	470 145	1p
Ukraine	5 783 200	6 434 800	3 207 000	2 480 000	3 109 000	1n
United Kingdom	742 340	506 870	336 740	193 890	160 070	1e
United States	64 168 100	50 358 700	56 084 900	55 280 200	59 982 200	1e
Zimbabwe	301 550	422 860	1 529 890	1 060 300	1 071 990	1e
Total	1 058 032 216	1 036 290 098	1 031 500 586	1 049 228 048	1 075 305 187	

Lignite

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	43 315 000	41 513 000	41 622 000	40 296 000	38 891 000	1p
Bosnia-Herzegovina	13 376 548	13 365 730	12 802 517	13 736 665	12 791 560	1e
Brazil	1 596 696	2 309 404	1 896 525	2 648 783	3 322 196	1e

Bulgaria	29 462 615	22 519 300	28 410 900	35 513 000	21 114 000	1a
Canada	8 134 855	7 538 920	8 314 510	6 657 920	6 658 000	2p
Czechia	37 465 000	29 505 000	29 278 000	33 397 365	28 660 000	1e
Germany	131 314 000	107 377 260	126 256 594	130 801 111	102 127 890	1e
Greece	27 383 575	13 866 637	12 427 717	14 340 293	10 611 290	1a
Hungary	6 847 230	6 125 178	4 987 686	4 928 004	4 072 289	1e
India	42 096 000	37 895 000	44 794 000	46 728 000	42 257 000	1e
Kazakhstan	5 929 100	5 422 100	4 827 800	5 664 100	4 982 500	1e
Kosovo	8 063 051	8 537 948	8 535 436	8 253 435	6 923 659	1a
Kyrgyzstan	2 259 500	1 997 500	2 483 600	3 217 200	3 262 300	1e
Laos	15 263 562	14 366 628	13 618 072	15 358 322	15 255 113	1e
Mongolia	8 053 080	6 657 650	4 905 426	5 595 828	11 283 860	1p
Montenegro	1 605 200	1 665 449	1 548 612	1 722 535	1 862 150	1e
Myanmar	785 480	760 498	587 906	698 900	1 120 000	2n
New Zealand	287 830	297 690	284 735	276 248	275 433	1e
North Macedonia	5 066 083	4 532 745	4 758 504	5 592 335	4 091 133	1e
Poland	50 328 580	45 983 410	52 355 510	54 621 410	40 100 590	1e
Romania	21 652 320	15 030 906	17 733 034	18 200 623	14 745 137	1e
Russia	80 800 000	72 600 000	73 620 000	89 400 000	92 000 000	1e
Serbia	38 880 520	39 673 059	36 417 513	35 129 690	31 937 750	1e
Slovakia	1 474 830	986 270	1 080 562	1 065 412	764 854	1e
Slovenia	3 218 696	3 259 309	2 807 476	2 745 022	3 030 494	1a
Thailand	14 071 710	13 250 574	14 221 573	13 641 283	12 713 628	1e
Türkiye	83 694 600	71 637 000	83 558 680	92 296 100	75 613 340	1p
United States	48 255 700	44 783 600	42 968 700	43 115 700	37 082 300	1e
Uzbekistan	3 807 600	3 869 375	4 781 193	5 073 900	5 836 000	1n
Total	734 488 961	637 327 140	681 884 781	730 715 184	633 385 466	

Natural Gas

Country	2019 Mio m ³	2020 Mio m ³	2021 Mio m ³	2022 Mio m ³	2023 Mio m ³	Rem
Afghanistan	146	59	153	185	198	1e
Albania	71	57	57	51	49	1a
Algeria	89 983	84 597	105 037	101 436	105 482	1e
Angola	6 800	7 450	5 930	5 920	6 000	1e
Argentina	43 220	39 570	40 940	42 420	44 640	1e
Australia	154 485	154 107	156 463	163 112	160 873	1e
Austria	891	743	654	607	545	1e
Azerbaijan	24 514	26 487	32 578	34 956	36 414	1e
Bahrain	17 120	17 230	17 500	16 600	16 580	1e
Bangladesh	27 230	24 990	25 170	23 780	22 650	1n
Barbados	14	11	11	9	9	2n
Belarus	218	219	229	220	210	2n
Bolivia	17 046	16 384	16 967	15 517	13 471	1e
Brazil	27 358	25 384	25 382	24 098	24 502	1e
Brunei	12 504	12 065	11 178	10 266	10 255	1e
Bulgaria	35	55	31	17	9	1a
Cameroon	2 010	2 130	2 090	2 190	2 280	1e
Canada	170 747	166 936	173 423	186 121	191 252	1e
Chile	1 339	1 316	1 275	1 355	1 380	1e
China	175 362	192 495	207 584	220 110	232 430	1e
Colombia	11 800	11 770	12 110	11 890	11 740	1e
Congo, Rep.	622	809	970	931	1 000	2e
Cote d'Ivoire	2 171	2 229	2 373	2 557	2 728	1e
Croatia	1 029	849	746	745	691	1e
Cuba	951	895	863	844	955	1e
Czechia	146	173	153	165	119	1e

Denmark	3 138	1 425	1 352	1 349	1 328	1e
Ecuador	318	268	269	243	217	1e
Egypt	64 940	58 465	67 799	64 488	57 100	1r
Equatorial Guinea	6 235	6 023	7 047	8 105	7 103	1e
France	16	17	22	20	18	1e
Gabon	464	502	454	418	400	1e
Georgia	10	9	16	15	16	1e
Germany	6 699	5 692	5 731	5 281	4 620	1e
Ghana	1 550	2 660	3 020	3 300	3 220	1e
Greece	9	6	4	0	2	1a
Guatemala		0	72	72	68	1e
Hungary	1 716	1 708	1 526	1 549	1 640	1e
India	31 151	27 572	32 362	33 362	35 081	1e
Indonesia	67 160	69 080	68 910	67 100	68 530	1e
Iran	241 730	248 500	258 850	259 890	266 250	1e
Iraq	10 967	7 005	9 107	9 289	9 930	1r
Ireland	2 390	1 840	1 400	1 290	1 040	1e
Israel	9 035	13 305	16 623	18 910	21 285	1e
Italy	4 852	4 117	3 343	3 316	2 988	1e
Japan	2 524	2 295	2 305	2 148	2 019	1e
Jordan	99	150	184	152	174	1e
Kazakhstan	33 100	32 810	26 747	27 011	28 769	1e
Korea, South	248	177	53	0	0	1e
Kuwait	17 516	16 531	15 934	16 818	18 735	1n
Kyrgyzstan	24	22	22	30	27	1e
Libya	26 830	20 930	13 010	12 570	12 270	1e
Malaysia	68 700	63 370	67 520	71 850	72 140	1e
Mexico	29 370	28 580	27 160	28 630	27 210	1e
Morocco	99	98	110	77	51	1e
Mozambique	4 597	4 541	4 600	4 766	11 751	1e
Myanmar	18 810	18 270	17 680	17 150	14 700	2e
Netherlands	31 534	22 835	20 413	16 968	11 186	1e
New Zealand	4 608	4 508	3 945	3 694	3 804	1e
Nigeria	49 280	49 950	48 570	44 300	42 930	1e
Norway	115 162	112 326	115 201	124 210	117 322	1e
Oman	37 460	37 020	39 750	41 740	43 160	1e
Pakistan	40 679	37 283	36 224	35 035	33 683	1e
Papua New Guinea	3 339	3 325	3 400	5 736	5 616	1n
Peru	13 429	12 030	11 375	13 705	14 632	1e
Philippines	4 409	4 013	3 429	3 217	2 526	1e
Poland	4 976	4 934	4 860	4 720	4 600	1e
Qatar	167 610	166 740	168 240	169 600	171 974	1p
Romania	9 959	8 914	8 938	9 060	9 207	1e
Russia	718 960	672 400	727 600	648 300	616 200	2e
Saudi Arabia	117 000	119 000	120 485	122 895	123 531	1e
Senegal	15	14	6	4	0	1e
Serbia	439	409	362	328	315	1e
Slovakia	80	70	71	58	51	1e
Slovenia	8	6	6	5	3	1a
South Africa	658	554	44	5	5	1e
Spain	135	47	38	33	26	3a
Syria	3 330	2 920	3 110	2 540	2 600	1n
Taiwan	167	105	110	96	91	1e
Tajikistan	1	1	1	1	0	1e
Tanzania	1 807	1 616	1 838	2 239	2 412	1e
Thailand	35 879	33 799	33 117	27 367	27 053	1e
Trinidad and Tobago	35 545	30 230	25 425	26 735	25 715	1e
Tunisia	1 780	1 850	2 240	2 030	1 843	1e
Türkiye	483	458	415	408	852	1e
Turkmenistan	71 000	67 960	83 773	82 700	80 619	1e
Ukraine	20 520	20 183	19 757	17 910	18 110	1e
United Arab Emirates	53 720	53 690	53 120	54 185	55 560	1r

United Kingdom	39 386	39 433	32 570	37 737	34 043	1e
United States	959 920	957 430	977 770	1 026 630	1 070 480	1e
Uzbekistan	60 712	49 768	53 802	51 678	46 710	1e
Venezuela	25 576	21 561	28 059	29 056	29 683	1r
Vietnam	10 200	9 160	7 460	8 080	7 468	1e
Yemen	100	20	20	20	20	1p
Total	4 081 975	3 971 540	4 128 643	4 138 326	4 159 174	

Petroleum

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Albania	1 005 090	712 427	757 393	657 402	641 581	1a
Algeria	64 330 000	57 535 000	58 200 000	62 066 000	63 006 000	1e
Angola	68 858 490	63 474 320	55 982 210	56 592 280	54 745 260	1e
Argentina	25 327 500	24 000 100	25 568 200	29 008 700	31 630 100	1e
Australia	22 464 160	22 381 790	21 782 900	20 228 210	18 437 420	1e
Austria	642 953	609 254	571 428	532 339	478 093	1e
Azerbaijan	37 501 200	34 531 900	34 580 300	32 646 400	30 147 400	1e
Bahrain	9 668 850	9 694 300	9 608 310	9 436 020	9 134 850	1e
Bangladesh	565 140	522 570	463 590	349 560	313 310	1n
Barbados	28 560	23 590	20 770	19 130	19 000	2n
Belarus	1 690 000	1 710 000	1 737 000	1 594 000	1 495 000	1n
Bolivia	2 244 260	2 065 070	2 032 870	1 815 610	1 551 680	1e
Brazil	143 933 400	151 759 400	149 154 800	154 993 700	173 333 000	1e
Brunei	6 040 240	5 479 350	5 308 680	4 577 160	4 451 180	1e
Bulgaria	20 000	20 500	20 086	19 480	20 938	1a
Cameroon	3 545 900	3 622 200	3 493 100	3 403 200	3 257 200	1e
Canada	265 045 900	253 195 200	266 190 400	271 233 300	277 851 300	1r
Chad	6 316 700	6 303 000	5 799 300	6 160 600	6 664 600	1e
Chile	161 520	102 640	109 980	128 510	121 790	1e
China	191 628 300	194 768 600	198 881 100	204 722 400	209 026 100	1e
Colombia	44 101 940	38 993 490	36 660 230	37 554 630	38 794 920	1e
Congo, D.R.	1 113 260	1 191 660	1 170 000	1 159 250	1 149 910	1e
Congo, Rep.	16 749 800	15 280 150	13 626 100	13 108 800	13 334 200	1e
Cote d'Ivoire	1 799 700	1 451 600	1 196 700	1 268 600	1 466 600	1e
Croatia	677 200	593 700	565 700	548 000	533 900	1e
Cuba	2 371 450	2 320 200	2 433 300	2 373 900	2 200 000	2n
Czechia	81 000	91 000	83 000	75 000	67 000	1e
Denmark	5 017 234	3 556 000	3 277 800	3 212 000	2 922 014	1e
Ecuador	26 442 000	23 932 000	23 543 000	23 944 300	23 661 400	1e
Egypt	31 812 000	31 066 370	29 601 360	29 925 100	29 820 890	1r
Equatorial Guinea	7 172 620	7 154 290	5 919 365	5 379 570	3 998 830	1e
France	719 800	649 675	647 080	595 335	586 020	1e
Gabon	10 848 000	10 766 000	10 038 600	10 367 900	11 160 000	1e
Georgia	35 100	31 300	35 500	36 600	38 900	1e
Germany	1 923 232	1 895 942	1 805 932	1 699 014	1 635 331	1e
Ghana	10 205 700	9 561 000	7 864 300	7 393 900	6 892 400	1e
Greece	164 905	89 715	57 570	0	50 110	1a
Guatemala	478 200	389 000	355 500	349 200	287 600	1e
Guyana	58 280	3 709 780	5 820 870	13 832 300	19 478 600	1e
Hungary	1 160 000	1 030 000	1 087 000	1 080 000	1 129 000	1e
India	32 169 270	30 494 090	29 891 000	29 391 000	29 117 000	1e
Indonesia	37 104 200	35 367 913	32 786 100	30 489 800	30 156 500	1e
Iran	161 695 630	147 675 410	172 187 420	180 244 050	214 298 210	1r
Iraq	234 220 100	202 037 850	200 829 370	221 310 150	213 040 760	1r
Israel	84 020	130 427	164 765	187 443	459 211	1e
Italy	4 279 000	5 393 780	4 840 300	4 459 045	4 241 523	1e

Japan	470 200	461 000	441 200	378 700	355 600	1e
Jordan	1 600	2 500	14 300	12 900	6 000	1e
Kazakhstan	90 555 500	85 656 100	85 879 400	84 236 900	89 979 600	1e
Kenya	32 400	41 000	0	0	0	1e
Korea, South	21 130	13 990	4 800	2 320	0	1e
Kuwait	147 756 600	134 310 600	134 410 200	148 702 800	144 868 200	1n
Kyrgyzstan	233 100	239 200	275 700	295 100	302 700	1e
Libya	57 738 100	19 437 000	60 084 200	52 759 520	59 129 400	1e
Lithuania	39 570	31 630	28 920	27 040	24 775	1e
Malaysia	30 384 800	27 679 100	25 169 300	26 261 170	25 752 770	1e
Mexico	94 161 830	93 860 550	94 785 920	95 765 300	100 526 200	1e
Moldova	5 032	5 032	4 972	4 652	4 316	1a
Mongolia	937 900	560 000	636 600	349 900	666 800	1e
Morocco	4 335	4 098	3 246	2 394	2 102	1e
Mozambique	41 250	38 350	36 330	45 930	219 770	1e
Myanmar	429 000	572 200	309 800	295 500	298 900	2e
Netherlands	892 600	862 200	864 000	482 704	404 894	1e
New Zealand	1 128 870	964 420	840 780	736 140	811 520	1e
Niger	903 400	855 500	873 100	778 100	897 300	1e
Nigeria	100 287 000	91 504 570	77 220 000	68 607 900	73 213 100	1e
Norway	79 521 500	93 181 400	95 000 900	89 964 300	95 700 400	1e
Oman	48 339 100	47 374 500	48 353 500	52 982 500	52 209 900	1e
Pakistan	4 433 150	3 832 330	3 760 980	3 656 900	3 459 800	1e
Papua New Guinea	1 889 900	1 960 100	1 842 600	1 669 400	1 458 200	1n
Peru	6 956 200	6 221 400	5 949 800	5 835 100	5 757 700	1e
Philippines	652 300	572 100	486 800	445 300	328 100	1e
Poland	936 760	911 430	858 030	816 540	793 880	1e
Qatar	71 536 810	72 698 440	72 435 760	72 664 390	73 753 160	1p
Romania	3 568 000	3 457 000	3 319 000	3 131 000	2 986 000	1e
Russia	560 256 690	512 761 000	524 050 000	535 000 000	530 600 000	1e
Saudi Arabia	556 564 010	519 613 000	515 878 200	574 692 000	531 963 600	1e
Senegal	28 500	25 280	0	0	0	1e
Serbia	881 000	859 226	835 319	823 280	829 599	1e
Slovakia	6 331	3 790	6 130	3 680	2 840	1e
Slovenia	490	385	296	127	147	1e
South Africa	29 774	31 974	15 633	4 946	1 044	1e
South Sudan	8 448 490	8 126 230	7 515 700	6 947 860	7 272 710	1r
Spain	40 244	26 819	5 785	910	606	1a
Sudan	3 778 300	2 932 600	2 605 000	2 532 000	2 321 000	1p
Suriname	825 200	818 400	811 600	837 500	855 230	1e
Syria	1 510 590	1 964 180	1 982 680	1 951 220	1 815 890	1r
Taiwan	3 300	1 860	2 110	1 600	1 400	1e
Tajikistan	23 293	24 400	24 635	24 860	18 000	1e
Thailand	10 813 080	10 077 510	8 820 540	7 134 630	6 780 010	1e
Trinidad and Tobago	3 869 080	3 600 510	3 652 900	3 524 510	3 236 260	1e
Tunisia	1 859 060	1 726 250	2 079 000	1 757 000	1 704 000	1e
Türkiye	2 984 800	3 202 924	3 441 659	3 583 040	4 094 898	1e
Turkmenistan	10 420 000	9 490 000	10 961 000	10 756 800	8 316 700	1e
Ukraine	2 453 600	2 430 800	2 455 400	2 147 600	1 410 000	1n
United Arab Emirates	179 898 440	165 945 480	163 436 800	181 125 330	176 067 470	1r
United Kingdom	52 856 200	49 361 500	41 162 470	38 036 800	33 754 600	1e
United States	809 941 800	777 010 300	784 368 000	839 163 500	909 154 300	1e
Uzbekistan	2 815 400	2 030 400	2 098 040	2 075 026	1 977 700	1e
Venezuela	53 437 200	34 631 750	34 450 740	37 511 430	43 727 330	1r
Vietnam	11 043 000	9 650 000	9 100 000	8 980 000	8 628 000	1e
Yemen	3 967 300	3 588 000	3 289 000	2 750 800	1 447 100	1p
Total	4 506 114 913	4 214 605 861	4 263 689 054	4 452 445 737	4 546 738 152	

Oil Sands (part of Petroleum)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Canada	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800	1e
Venezuela	18 000 000	14 900 000	15 000 000	18 000 000	20 000 000	2n
Total	176 766 200	167 943 300	182 104 200	188 263 400	193 858 800	

Oil Shales

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Austria	100	100	100	100	200	2n
Bulgaria	39 000	44 000	56 000	61 000	37 000	1e
Estonia	15 697 400	12 144 400	11 743 000	13 967 000	13 362 000	1e
France	2 000	2 000	2 000	2 000	2 000	2n
Germany	487 012	471 404	442 886	415 916	429 483	1e
Israel	402 882	392 990	430 840	254 425	0	1e
Jordan			0	1 180 000	8 450 000	1e
Total	16 628 394	13 054 894	12 674 826	15 880 441	22 280 683	

Uranium (U₃O₈)

Country	2019 metr. t	2020 metr. t	2021 metr. t	2022 metr. t	2023 metr. t	Rem
Australia	7 726	7 273	4 474	5 377	5 512	1e
Brazil	0	20	34	51	107	1e
Canada	8 230	4 260	5 622	8 688	16 372	1e
China	2 223	2 223	1 887	2 005	2 005	2n
Czechia	39	34	32	25	15	1e
Germany	28	8	0	0	0	1e
India	363	472	708	708	708	2n
Kazakhstan	26 895	22 967	25 729	25 031	24 895	1e
Mongolia	0	1	4	0	0	2n
Namibia	6 459	6 382	6 784	6 617	8 238	1e
Niger	3 516	3 527	2 691	2 382	1 332	1e
Pakistan	53	53	53	53	53	2n
Russia	3 433	3 356	3 107	2 957	3 196	1e
South Africa	163	131	153	188	275	1e
Ukraine	944	877	536	142	310	1e
United States	79	7	9	88	23	1e
Uzbekistan	4 127	4 127	4 158	4 198	4 304	1e
Total	64 278	55 718	55 981	58 510	67 345	

6.5 Share of World Mineral Production 2023, by Countries

6.5.1 Iron and Ferro-Alloy Metals

Iron (Fe-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	589 029 943	37.71	37.71	1 422.14
2	(2)	Brazil	273 992 879	17.54	55.25	307.71
3	(3)	China	190 937 600	12.22	67.48	149.43
4	(4)	India	170 340 800	10.91	78.38	118.93
5	(5)	Russia	53 572 000	3.43	81.81	11.76
6	(6)	South Africa	40 440 200	2.59	84.40	6.70
7	(7)	Canada	39 751 000	2.54	86.95	6.48
8	(8)	Iran	37 544 000	2.40	89.35	5.78
9	(9)	United States	28 295 000	1.81	91.16	3.28
10	(10)	Ukraine	19 495 000	1.25	92.41	1.56
11	(11)	Sweden	19 126 500	1.22	93.63	1.50
12	(15)	Mexico	14 183 500	0.91	94.54	0.82
13	(12)	Peru	12 986 023	0.83	95.37	0.69
14	(13)	Kazakhstan	11 893 635	0.76	96.14	0.58
15	(14)	Chile	11 443 370	0.73	96.87	0.54
16	(16)	Türkiye	10 227 200	0.65	97.52	0.43
17	(17)	Mauritania	9 155 700	0.59	98.11	0.34
18	(19)	Sierra Leone	6 070 960	0.39	98.50	0.15
19	(21)	Malaysia	3 046 990	0.20	98.69	0.04
20	(20)	Mongolia	2 987 500	0.19	98.88	0.04
21	(18)	Venezuela	2 440 000	0.16	99.04	0.02
22	(23)	Liberia	2 160 000	0.14	99.18	0.02
23	(28)	Laos	2 029 200	0.13	99.31	0.02
24	(25)	Korea, North	1 733 600	0.11	99.42	0.01
25	(24)	New Zealand	1 480 000	0.09	99.51	0.01
26	(26)	Norway	1 166 600	0.07	99.59	0.01
27	(29)	Austria	1 024 210	0.07	99.65	0.00
28	(30)	Algeria	931 900	0.06	99.71	0.00
29	(27)	Vietnam	876 700	0.06	99.77	0.00
30	(22)	Indonesia	800 000	0.05	99.82	0.00
31	(31)	Bosnia-Herzegovina	640 980	0.04	99.86	0.00
32	(32)	Saudi Arabia	350 000	0.02	99.89	0.00
33	(34)	Korea, South	302 190	0.02	99.90	0.00
34	(35)	Colombia	293 730	0.02	99.92	0.00
35	(41)	Uganda	216 700	0.01	99.94	0.00
36	(39)	Thailand	215 320	0.01	99.95	0.00
37	(33)	Pakistan	143 250	0.01	99.96	0.00
38	(38)	Tunisia	135 000	0.01	99.97	0.00
39	(36)	Bolivia	129 550	0.01	99.98	0.00
40	(40)	Germany	85 400	0.01	99.98	0.00
41	(42)	Philippines	84 700	0.01	99.99	0.00
42	(45)	Egypt	45 000	0.00	99.99	0.00

43	(44)	Tanzania	33 800	0.00	99.99	0.00
44	(48)	Angola	27 600	0.00	99.99	0.00
45	(43)	Fiji	27 300	0.00	100.00	0.00
46	(46)	Cong, Rep.	20 200	0.00	100.00	0.00
47	(47)	Nigeria	15 900	0.00	100.00	0.00
48	(**)	Gabon	6 800	0.00	100.00	0.00
49	(**)	Namibia	5 400	0.00	100.00	0.00
50	(49)	Morocco	5 220	0.00	100.00	0.00
51	(51)	Uruguay	910	0.00	100.00	0.00
52	(50)	Bhutan	650	0.00	100.00	0.00
53	(52)	Malawi	380	0.00	100.00	0.00
Total			1 561 947 990	100.00		HHI 2 039

Chromium (Cr₂O₃ - Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	7 968 350	54.82	54.82	3 004.87
2	(2)	Kazakhstan	1 803 200	12.40	67.22	153.88
3	(3)	India	1 511 800	10.40	77.62	108.16
4	(4)	Türkiye	1 152 200	7.93	85.55	62.83
5	(5)	Zimbabwe	484 800	3.34	88.88	11.12
6	(6)	Albania	387 200	2.66	91.55	7.10
7	(7)	Finland	376 390	2.59	94.14	6.70
8	(8)	Brazil	193 532	1.33	95.47	1.77
9	(10)	Oman	150 800	1.04	96.50	1.08
10	(9)	Russia	149 120	1.03	97.53	1.05
11	(11)	Iran	85 420	0.59	98.12	0.35
12	(12)	Papua New Guinea	67 500	0.46	98.58	0.22
13	(13)	Pakistan	62 250	0.43	99.01	0.18
14	(14)	China	54 220	0.37	99.38	0.14
15	(15)	Philippines	40 780	0.28	99.66	0.08
16	(17)	Madagascar	33 700	0.23	99.90	0.05
17	(16)	Afghanistan	10 100	0.07	99.97	0.00
18	(18)	Cuba	2 700	0.02	99.98	0.00
19	(19)	Sudan	2 100	0.01	100.00	0.00
20	(20)	Ethiopia	200	0.00	100.00	0.00
Total			14 536 362	100.00		HHI 3 360

Cobalt

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Congo, D.R.	139 840	70.81	70.81	5 014.63
2	(2)	Indonesia	18 200	9.22	80.03	84.94
3	(3)	Russia	8 800	4.46	84.49	19.86
4	(4)	Australia	5 217	2.64	87.13	6.98
5	(7)	Madagascar	3 387	1.72	88.84	2.94
6	(8)	Philippines	3 300	1.67	90.51	2.79
7	(6)	Canada	3 260	1.65	92.17	2.73
8	(5)	Cuba	3 200	1.62	93.79	2.63

9	(9)	Papua New Guinea	3 072	1.56	95.34	2.42
10	(11)	China	2 300	1.16	96.51	1.36
11	(10)	New Caledonia	2 300	1.16	97.67	1.36
12	(12)	Morocco	1 506	0.76	98.43	0.58
13	(13)	Finland	1 057	0.54	98.97	0.29
14	(14)	United States	500	0.25	99.22	0.06
15	(15)	Türkiye	400	0.20	99.42	0.04
16	(18)	Zimbabwe	386	0.20	99.62	0.04
17	(17)	South Africa	378	0.19	99.81	0.04
18	(16)	Zambia	207	0.10	99.92	0.01
19	(19)	Brazil	165	0.08	100.00	0.01
Total			197 475	100.00		HHI 5 144

Manganese

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	7 058 600	34.90	34.90	1 217.89
2	(2)	Gabon	4 386 300	21.69	56.58	470.29
3	(3)	Australia	2 920 850	14.44	71.03	208.54
4	(5)	India	1 035 700	5.12	76.15	26.22
5	(4)	Ghana	870 500	4.30	80.45	18.52
6	(6)	China	852 000	4.21	84.66	17.74
7	(7)	Brazil	849 783	4.20	88.86	17.65
8	(8)	Cote d'Ivoire	470 100	2.32	91.19	5.40
9	(12)	Myanmar	234 000	1.16	92.34	1.34
10	(11)	Mexico	225 211	1.11	93.46	1.24
11	(13)	Georgia	212 300	1.05	94.51	1.10
12	(9)	Ukraine	186 500	0.92	95.43	0.85
13	(10)	Malaysia	151 000	0.75	96.18	0.56
14	(14)	Vietnam	150 000	0.74	96.92	0.55
15	(15)	Kazakhstan	138 500	0.68	97.60	0.47
16	(16)	Guyana	119 520	0.59	98.19	0.35
17	(18)	Iran	90 260	0.45	98.64	0.20
18	(17)	Zambia	73 560	0.36	99.00	0.13
19	(19)	Kenya	44 100	0.22	99.22	0.05
20	(20)	Morocco	41 850	0.21	99.43	0.04
21	(21)	Türkiye	35 700	0.18	99.61	0.03
22	(24)	Russia	21 800	0.11	99.71	0.01
23	(23)	Nigeria	16 300	0.08	99.79	0.01
24	(26)	Namibia	13 800	0.07	99.86	0.00
25	(25)	Senegal	11 950	0.06	99.92	0.00
26	(31)	Oman	3 300	0.02	99.94	0.00
27	(28)	Romania	3 250	0.02	99.95	0.00
28	(27)	Bulgaria	3 000	0.01	99.97	0.00
29	(22)	Angola	2 300	0.01	99.98	0.00
30	(32)	Peru	1 327	0.01	99.99	0.00
31	(30)	Egypt	1 000	0.00	99.99	0.00
32	(29)	Congo, D.R.	600	0.00	99.99	0.00
33	(33)	Bolivia	560	0.00	100.00	0.00
34	(34)	Thailand	290	0.00	100.00	0.00
35	(35)	Pakistan	210	0.00	100.00	0.00
36	(36)	Colombia	150	0.00	100.00	0.00
Total			20 226 171	100.00		HHI 1 989

Molybdenum

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	121 500	41.65	41.65	1 735.12
2	(2)	Chile	44 118	15.13	56.78	228.78
3	(3)	United States	34 000	11.66	68.44	135.87
4	(4)	Peru	33 476	11.48	79.91	131.72
5	(5)	Mexico	28 313	9.71	89.62	94.22
6	(6)	Armenia	11 116	3.81	93.43	14.52
7	(7)	Iran	7 900	2.71	96.14	7.34
8	(9)	Kazakhstan	3 727	1.28	97.42	1.63
9	(8)	Mongolia	2 650	0.91	98.33	0.83
10	(10)	Russia	1 200	0.41	98.74	0.17
11	(11)	Canada	1 171	0.40	99.14	0.16
12	(15)	Australia	1 110	0.38	99.52	0.14
13	(12)	Uzbekistan	713	0.24	99.76	0.06
14	(13)	Korea, North	350	0.12	99.88	0.01
15	(14)	Korea, South	339	0.12	100.00	0.01
Total			291 683	100.00		HHI 2 351

Nickel

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Indonesia	2 028 800	54.99	54.99	3 024.15
2	(2)	Philippines	389 000	10.54	65.54	111.18
3	(4)	New Caledonia	233 375	6.33	71.86	40.02
4	(3)	Russia	211 300	5.73	77.59	32.80
5	(5)	Australia	149 090	4.04	81.63	16.33
6	(6)	Canada	127 237	3.45	85.08	11.89
7	(7)	China	110 400	2.99	88.07	8.95
8	(8)	Brazil	72 398	1.96	90.03	3.85
9	(10)	Colombia	43 030	1.17	91.20	1.36
10	(11)	Finland	41 941	1.14	92.34	1.29
11	(12)	Cuba	37 500	1.02	93.35	1.03
12	(17)	Cote d'Ivoire	37 210	1.01	94.36	1.02
13	(13)	Madagascar	36 085	0.98	95.34	0.96
14	(14)	Papua New Guinea	33 604	0.91	96.25	0.83
15	(16)	South Africa	29 750	0.81	97.06	0.65
16	(9)	Guatemala	20 300	0.55	97.61	0.30
17	(19)	Türkiye	18 390	0.50	98.11	0.25
18	(15)	Dominican Republic	17 875	0.48	98.59	0.23
19	(20)	Zimbabwe	17 784	0.48	99.07	0.23
20	(18)	United States	16 400	0.44	99.52	0.20
21	(22)	Zambia	7 848	0.21	99.73	0.05
22	(21)	Myanmar	5 100	0.14	99.87	0.02
23	(**)	Vietnam	2 100	0.06	99.93	0.00
24	(**)	Solomon Islands	1 050	0.03	99.95	0.00
25	(25)	Poland	750	0.02	99.97	0.00

26	(24)	Albania	570	0.02	99.99	0.00
27	(27)	Norway	220	0.01	100.00	0.00
28	(28)	Morocco	130	0.00	100.00	0.00
29	(26)	Kosovo	10	0.00	100.00	0.00
Total			3 689 247	100.00		HHI 3 258

Niobium (Nb₂O₅-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Brazil	109 520	92.91	92.91	8 632.64
2	(2)	Canada	6 700	5.68	98.60	32.31
3	(3)	Congo, D.R.	560	0.48	99.07	0.23
4	(4)	Russia	505	0.43	99.50	0.18
5	(5)	Rwanda	310	0.26	99.76	0.07
6	(6)	Nigeria	185	0.16	99.92	0.02
7	(7)	China	43	0.04	99.96	0.00
8	(8)	Ethiopia	35	0.03	99.99	0.00
9	(9)	Mozambique	16	0.01	100.00	0.00
10	(10)	Burundi	1	0.00	100.00	0.00
Total			117 875	100.00		HHI 8 665

Tantalum (Ta₂O₅-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Congo, D.R.	630	29.86	29.86	891.49
2	(3)	Rwanda	475	22.51	52.37	506.78
3	(2)	Brazil	380	18.01	70.38	324.34
4	(4)	Nigeria	190	9.00	79.38	81.09
5	(6)	Ethiopia	120	5.69	85.07	32.34
6	(5)	China	96	4.55	89.62	20.70
7	(7)	Mozambique	82	3.89	93.51	15.10
8	(8)	Australia	50	2.37	95.88	5.62
9	(9)	Russia	34	1.61	97.49	2.60
10	(10)	Spain	24	1.14	98.63	1.29
11	(11)	Sierra Leone	22	1.04	99.67	1.09
12	(13)	Malaysia	4	0.19	99.86	0.04
13	(12)	Burundi	2	0.09	99.95	0.01
14	(14)	Bolivia	1	0.05	100.00	0.00
Total			2 110	100.00		HHI 1 882

Titanium (TiO₂-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	3 247 000	35.90	35.90	1 288.72
2	(2)	Mozambique	1 829 500	20.23	56.13	409.13
3	(3)	South Africa	1 010 000	11.17	67.29	124.69
4	(4)	Australia	536 500	5.93	73.22	35.18
5	(5)	Canada	470 000	5.20	78.42	27.00
6	(6)	Madagascar	308 800	3.41	81.83	11.66
7	(9)	Norway	290 660	3.21	85.05	10.33
8	(7)	Senegal	239 960	2.65	87.70	7.04
9	(8)	Kenya	169 980	1.88	89.58	3.53
10	(14)	India	150 000	1.66	91.24	2.75
11	(12)	Ukraine	147 700	1.63	92.87	2.67
12	(11)	Sierra Leone	142 490	1.58	94.45	2.48
13	(13)	Vietnam	114 500	1.27	95.71	1.60
14	(15)	Korea, South	110 120	1.22	96.93	1.48
15	(10)	United States	100 000	1.11	98.04	1.22
16	(16)	Brazil	79 220	0.88	98.91	0.77
17	(20)	Sri Lanka	31 665	0.35	99.26	0.12
18	(19)	Iran	20 100	0.22	99.48	0.05
19	(18)	Malaysia	15 600	0.17	99.66	0.03
20	(23)	Nigeria	14 100	0.16	99.81	0.02
21	(17)	Kazakhstan	13 000	0.14	99.96	0.02
22	(22)	Russia	3 990	0.04	100.00	0.00
Total			9 044 885	100.00		HHI 1 930

Tungsten (W-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	65 980	78.75	78.75	6 201.43
2	(2)	Vietnam	7 900	9.43	88.18	88.90
3	(3)	Russia	1 750	2.09	90.27	4.36
4	(5)	Korea, North	1 600	1.91	92.18	3.65
5	(6)	Bolivia	1 505	1.80	93.97	3.23
6	(4)	Rwanda	1 370	1.64	95.61	2.67
7	(7)	Austria	819	0.98	96.59	0.96
8	(9)	Spain	711	0.85	97.43	0.72
9	(12)	Australia	420	0.50	97.94	0.25
10	(13)	Congo, D.R.	418	0.50	98.43	0.25
11	(8)	Portugal	400	0.48	98.91	0.23
12	(11)	Mongolia	324	0.39	99.30	0.15
13	(10)	Brazil	284	0.34	99.64	0.11
14	(20)	Uzbekistan	77	0.09	99.73	0.01
15	(14)	Burundi	69	0.08	99.81	0.01
16	(17)	Mexico	50	0.06	99.87	0.00
17	(15)	Thailand	32	0.04	99.91	0.00
18	(19)	Myanmar	30	0.04	99.95	0.00
19	(16)	Nigeria	26	0.03	99.98	0.00
20	(18)	Uganda	20	0.02	100.00	0.00
Total			83 785	100.00		HHI 6 307

Vanadium (V-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	81 600	69.85	69.85	4 878.75
2	(2)	Russia	20 000	17.12	86.97	293.08
3	(3)	South Africa	8 667	7.42	94.39	55.04
4	(4)	Brazil	6 508	5.57	99.96	31.03
5	(5)	India	50	0.04	100.00	0.00
		Total	116 825	100.00		HHI 5 258

6.5.2 Non-Ferrous Metals

Aluminium

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	41 979 700	59.41	59.41	3 529.65
2	(2)	India	4 126 500	5.84	65.25	34.10
3	(3)	Russia	4 028 000	5.70	70.95	32.50
4	(4)	Canada	3 274 901	4.63	75.59	21.48
5	(5)	United Arab Emirates	2 660 000	3.76	79.35	14.17
6	(6)	Bahrain	1 620 665	2.29	81.64	5.26
7	(7)	Australia	1 555 474	2.20	83.85	4.85
8	(8)	Norway	1 321 229	1.87	85.72	3.50
9	(11)	Brazil	1 021 700	1.45	87.16	2.09
10	(9)	Malaysia	950 000	1.34	88.51	1.81
11	(13)	Iceland	752 904	1.07	89.57	1.14
12	(10)	United States	750 000	1.06	90.63	1.13
13	(14)	South Africa	716 000	1.01	91.65	1.03
14	(12)	Saudi Arabia	701 357	0.99	92.64	0.99
15	(15)	Qatar	644 000	0.91	93.55	0.83
16	(16)	Iran	614 972	0.87	94.42	0.76
17	(17)	Mozambique	516 484	0.73	95.15	0.53
18	(18)	Argentina	440 933	0.62	95.78	0.39
19	(19)	Oman	397 530	0.56	96.34	0.32
20	(20)	France	356 717	0.50	96.84	0.25
21	(22)	New Zealand	333 869	0.47	97.32	0.22
22	(23)	Egypt	310 000	0.44	97.75	0.19
23	(24)	Kazakhstan	260 877	0.37	98.12	0.14
24	(25)	Indonesia	214 930	0.30	98.43	0.09
25	(26)	Romania	196 438	0.28	98.71	0.08
26	(21)	Germany	189 471	0.27	98.97	0.07
27	(27)	Greece	183 361	0.26	99.23	0.07
28	(29)	Sweden	119 000	0.17	99.40	0.03
29	(30)	Türkiye	82 000	0.12	99.52	0.01
30	(33)	Tajikistan	66 649	0.09	99.61	0.01
31	(28)	Bosnia-Herzegovina	64 465	0.09	99.70	0.01
32	(32)	Cameroon	62 180	0.09	99.79	0.01
33	(34)	Ghana	48 314	0.07	99.86	0.00
34	(36)	Azerbaijan	36 800	0.05	99.91	0.00

35	(37)	United Kingdom	29 246	0.04	99.95	0.00
36	(35)	Montenegro	21 778	0.03	99.98	0.00
37	(39)	Venezuela	10 000	0.01	100.00	0.00
38	(38)	Slovenia	1 487	0.00	100.00	0.00
Total			70 659 931	100.00		HHI 3 658

Antimony

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	41 000	39.52	39.52	1 561.68
2	(4)	Russia	32 475	31.30	70.82	979.77
3	(2)	Tajikistan	14 800	14.27	85.08	203.49
4	(6)	Bolivia	3 884	3.74	88.83	14.01
5	(3)	Türkiye	3 816	3.68	92.51	13.53
6	(7)	Myanmar	2 360	2.27	94.78	5.17
7	(8)	Australia	1 860	1.79	96.57	3.21
8	(5)	Iran	1 555	1.50	98.07	2.25
9	(9)	Mexico	576	0.56	98.63	0.31
10	(12)	Laos	480	0.46	99.09	0.21
11	(11)	Kazakhstan	400	0.39	99.48	0.15
12	(10)	Vietnam	394	0.38	99.86	0.14
13	(13)	Kyrgyzstan	85	0.08	99.94	0.01
14	(**)	Pakistan	40	0.04	99.98	0.00
15	(15)	Guatemala	25	0.02	100.00	0.00
Total			103 750	100.00		HHI 2 784

Arsenic

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Peru	31 162	48.39	48.39	2 341.27
2	(2)	China	24 000	37.27	85.65	1 388.75
3	(3)	Morocco	7 700	11.96	97.61	142.95
4	(4)	Belgium	1 000	1.55	99.16	2.41
5	(5)	Russia	500	0.78	99.94	0.60
6	(6)	Japan	40	0.06	100.00	0.00
Total			64 402	100.00		HHI 3 876

Bauxite (crude ore)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Guinea	123 067 415	31.48	31.48	991.17
2	(2)	Australia	99 058 376	25.34	56.82	642.16
3	(3)	China	65 516 300	16.76	73.58	280.91

4	(4)	Brazil	32 032 491	8.19	81.78	67.15
5	(6)	India	23 360 795	5.98	87.75	35.71
6	(5)	Indonesia	9 889 569	2.53	90.28	6.40
7	(7)	Russia	6 867 700	1.76	92.04	3.09
8	(9)	Jamaica	5 988 100	1.53	93.57	2.35
9	(8)	Saudi Arabia	5 900 000	1.51	95.08	2.28
10	(10)	Kazakhstan	4 559 900	1.17	96.25	1.36
11	(11)	Vietnam	3 800 000	0.97	97.22	0.94
12	(12)	Türkiye	2 934 790	0.75	97.97	0.56
13	(15)	Sierra Leone	1 353 708	0.35	98.32	0.12
14	(13)	Greece	974 938	0.25	98.57	0.06
15	(16)	Ghana	959 601	0.25	98.81	0.06
16	(17)	Venezuela	900 000	0.23	99.04	0.05
17	(14)	Iran	871 073	0.22	99.27	0.05
18	(21)	Malaysia	576 770	0.15	99.41	0.02
19	(19)	Bosnia-Herzegovina	548 160	0.14	99.55	0.02
20	(20)	Montenegro	526 523	0.13	99.69	0.02
21	(18)	Guyana	523 742	0.13	99.82	0.02
22	(**)	Laos	275 142	0.07	99.89	0.00
23	(22)	France	120 000	0.03	99.92	0.00
24	(25)	Cote d'Ivoire	105 000	0.03	99.95	0.00
25	(27)	Tanzania	61 353	0.02	99.97	0.00
26	(24)	Pakistan	60 000	0.02	99.98	0.00
27	(30)	United States	48 230	0.01	99.99	0.00
28	(28)	Croatia	14 660	0.00	100.00	0.00
29	(29)	Mozambique	5 481	0.00	100.00	0.00
30	(26)	Colombia	2 779	0.00	100.00	0.00
Total			390 902 596	100.00		HHI 2 035

Beryllium (concentrates)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	4 590	60.06	60.06	3 607.54
2	(2)	China	1 925	25.19	85.25	634.52
3	(3)	Mozambique	882	11.54	96.79	133.21
4	(4)	Nigeria	189	2.47	99.27	6.12
5	(7)	Madagascar	20	0.26	99.53	0.07
6	(6)	Rwanda	20	0.26	99.79	0.07
7	(8)	Brazil	10	0.13	99.92	0.02
8	(9)	Zambia	6	0.08	100.00	0.01
Total			7 642	100.00		HHI 4 382

Bismuth

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	8 000	79.13	79.13	6 261.49
2	(2)	Vietnam	1 148	11.36	90.48	128.94
3	(3)	Japan	500	4.95	95.43	24.46

4	(4)	Peru	304	3.01	98.44	9.04
5	(5)	Kazakhstan	100	0.99	99.43	0.98
6	(7)	Bolivia	58	0.57	100.00	0.33
Total			10 110	100.00		HHI 6 425

Cadmium

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	9 000	37.15	37.15	1 380.14
2	(2)	Korea, South	4 500	18.58	55.73	345.03
3	(4)	Canada	1 800	7.43	63.16	55.21
4	(3)	Japan	1 750	7.22	70.38	52.18
5	(6)	Kazakhstan	1 200	4.95	75.33	24.54
6	(5)	Mexico	1 021	4.21	79.55	17.76
7	(7)	Russia	902	3.72	83.27	13.86
8	(12)	Australia	900	3.72	86.99	13.80
9	(8)	Netherlands	726	3.00	89.98	8.98
10	(9)	Peru	494	2.04	92.02	4.16
11	(10)	Uzbekistan	470	1.94	93.96	3.76
12	(11)	Norway	420	1.73	95.69	3.01
13	(15)	United States	375	1.55	97.24	2.40
14	(13)	Bulgaria	306	1.26	98.51	1.60
15	(16)	Korea, North	150	0.62	99.12	0.38
16	(14)	Germany	112	0.46	99.59	0.21
17	(17)	Brazil	100	0.41	100.00	0.17
Total			24 226	100.00		HHI 1 927

Copper

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Chile	5 250 400	23.38	23.38	546.52
2	(3)	Congo, D.R.	2 842 022	12.65	36.03	160.13
3	(2)	Peru	2 755 244	12.27	48.30	150.50
4	(4)	China	1 830 000	8.15	56.45	66.39
5	(5)	United States	1 130 000	5.03	61.48	25.31
6	(7)	Russia	916 000	4.08	65.56	16.63
7	(6)	Indonesia	907 210	4.04	69.60	16.32
8	(8)	Mexico	778 839	3.47	73.07	12.03
9	(9)	Australia	778 303	3.47	76.53	12.01
10	(10)	Zambia	732 583	3.26	79.79	10.64
11	(11)	Kazakhstan	614 416	2.74	82.53	7.48
12	(12)	Canada	484 552	2.16	84.69	4.65
13	(13)	Poland	395 400	1.76	86.45	3.10
14	(16)	Brazil	376 338	1.68	88.12	2.81
15	(14)	Panama	330 863	1.47	89.60	2.17
16	(15)	Iran	315 280	1.40	91.00	1.97
17	(17)	Mongolia	313 270	1.39	92.39	1.95
18	(18)	Serbia	238 909	1.06	93.46	1.13
19	(19)	Uzbekistan	148 500	0.66	94.12	0.44

20	(23)	Türkiye	127 000	0.57	94.68	0.32
21	(21)	Ecuador	126 500	0.56	95.25	0.32
22	(22)	Bulgaria	121 130	0.54	95.79	0.29
23	(20)	Spain	114 786	0.51	96.30	0.26
24	(25)	Papua New Guinea	90 490	0.40	96.70	0.16
25	(24)	Sweden	73 780	0.33	97.03	0.11
26	(30)	Botswana	72 411	0.32	97.35	0.10
27	(26)	Saudi Arabia	70 090	0.31	97.66	0.10
28	(27)	Armenia	67 705	0.30	97.97	0.09
29	(28)	Philippines	61 981	0.28	98.24	0.08
30	(31)	Laos	56 309	0.25	98.49	0.06
31	(29)	South Africa	50 023	0.22	98.71	0.05
32	(33)	Portugal	43 600	0.19	98.91	0.04
33	(34)	Morocco	31 590	0.14	99.05	0.02
34	(32)	Vietnam	29 040	0.13	99.18	0.02
35	(36)	India	25 717	0.11	99.29	0.01
36	(35)	Finland	20 132	0.09	99.38	0.01
37	(38)	Eritrea	17 595	0.08	99.46	0.01
38	(39)	Pakistan	17 042	0.08	99.54	0.01
39	(43)	Zimbabwe	14 221	0.06	99.60	0.00
40	(40)	Mauritania	13 014	0.06	99.66	0.00
41	(48)	Dominican Republic	9 673	0.04	99.70	0.00
42	(42)	Romania	9 250	0.04	99.74	0.00
43	(41)	Congo, Rep.	8 419	0.04	99.78	0.00
44	(44)	North Macedonia	7 940	0.04	99.82	0.00
45	(45)	Kyrgyzstan	6 950	0.03	99.85	0.00
46	(46)	Colombia	6 007	0.03	99.87	0.00
47	(51)	Albania	4 720	0.02	99.89	0.00
48	(37)	Tajikistan	4 500	0.02	99.91	0.00
49	(47)	Georgia	4 395	0.02	99.93	0.00
50	(50)	Bolivia	3 881	0.02	99.95	0.00
51	(49)	Tanzania	3 785	0.02	99.97	0.00
52	(54)	Myanmar	2 170	0.01	99.98	0.00
53	(52)	Azerbaijan	2 138	0.01	99.99	0.00
54	(53)	Korea, North	2 000	0.01	100.00	0.00
55	(**)	Namibia	752	0.00	100.00	0.00
56	(55)	Germany	71	0.00	100.00	0.00
57	(56)	Slovakia	37	0.00	100.00	0.00
Total			22 458 973	100.00		HHI 1 044

Gallium

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	701	98.32	98.32	9 666.23
2	(2)	Russia	6	0.84	99.16	0.71
3	(3)	Japan	3	0.42	99.58	0.18
4	(4)	Korea, South	3	0.42	100.00	0.18
Total			713	100.00		HHI 9 667

Germanium

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	154	94.48	94.48	8 926.19
2	(2)	Russia	5	3.07	97.55	9.41
3	(3)	Japan	2	1.23	98.77	1.51
4	(4)	United States	2	1.23	100.00	1.51
		Total	163	100.00		HHI 8 939

Indium

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	646	66.05	66.05	4 363.02
2	(2)	Korea, South	180	18.40	84.46	338.74
3	(3)	Japan	65	6.65	91.10	44.17
4	(4)	Canada	40	4.09	95.19	16.73
5	(6)	France	21	2.15	97.34	4.61
6	(5)	Belgium	19	1.94	99.28	3.77
7	(7)	Russia	6	0.61	99.90	0.38
8	(8)	Uzbekistan	1	0.10	100.00	0.01
		Total	978	100.00		HHI 4 771

Lead

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 960 000	41.66	41.66	1 735.67
2	(2)	Australia	472 242	10.04	51.70	100.76
3	(3)	Mexico	373 609	7.94	59.64	63.07
4	(5)	Peru	273 335	5.81	65.45	33.76
5	(4)	United States	263 000	5.59	71.04	31.25
6	(7)	India	226 400	4.81	75.85	23.16
7	(6)	Russia	220 000	4.68	80.53	21.87
8	(8)	Iran	103 100	2.19	82.72	4.80
9	(9)	Bolivia	102 927	2.19	84.91	4.79
10	(10)	Türkiye	69 230	1.47	86.38	2.17
11	(11)	Sweden	65 570	1.39	87.77	1.94
12	(18)	Kazakhstan	45 900	0.98	88.75	0.95
13	(14)	North Macedonia	43 930	0.93	89.68	0.87
14	(12)	Nigeria	41 500	0.88	90.57	0.78
15	(15)	South Africa	40 271	0.86	91.42	0.73
16	(13)	Tajikistan	37 809	0.80	92.23	0.65
17	(17)	Cuba	35 000	0.74	92.97	0.55
18	(24)	Argentina	29 780	0.63	93.60	0.40
19	(19)	Poland	29 510	0.63	94.23	0.39
20	(16)	Morocco	26 310	0.56	94.79	0.31
21	(20)	Korea, North	25 000	0.53	95.32	0.28

22	(21)	Portugal	22 520	0.48	95.80	0.23
23	(26)	Myanmar	21 650	0.46	96.26	0.21
24	(22)	Bulgaria	20 690	0.44	96.70	0.19
25	(34)	Brazil	16 237	0.35	97.04	0.12
26	(23)	Vietnam	15 870	0.34	97.38	0.11
27	(30)	Greece	15 220	0.32	97.70	0.10
28	(25)	Uzbekistan	14 550	0.31	98.01	0.10
29	(28)	Honduras	12 300	0.26	98.28	0.07
30	(29)	Namibia	10 990	0.23	98.51	0.05
31	(32)	Spain	10 547	0.22	98.73	0.05
32	(31)	Mongolia	8 500	0.18	98.91	0.03
33	(33)	Pakistan	7 838	0.17	99.08	0.03
34	(36)	Serbia	7 220	0.15	99.23	0.02
35	(27)	Ireland	7 019	0.15	99.38	0.02
36	(35)	Bosnia-Herzegovina	6 670	0.14	99.52	0.02
37	(37)	Indonesia	6 415	0.14	99.66	0.02
38	(38)	Kosovo	3 850	0.08	99.74	0.01
39	(42)	Montenegro	3 710	0.08	99.82	0.01
40	(39)	Canada	2 000	0.04	99.86	0.00
41	(46)	Malaysia	1 950	0.04	99.91	0.00
42	(44)	Tunisia	1 000	0.02	99.93	0.00
43	(40)	Laos	1 000	0.02	99.95	0.00
44	(41)	Finland	910	0.02	99.97	0.00
45	(47)	Romania	700	0.01	99.98	0.00
46	(45)	Chile	325	0.01	99.99	0.00
47	(43)	Korea, South	240	0.01	99.99	0.00
48	(48)	Slovakia	155	0.00	100.00	0.00
49	(49)	United Kingdom	100	0.00	100.00	0.00
Total			4 704 599	100.00		HHI 2 031

Lithium (Li₂O-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	204 200	40.84	40.84	1 668.21
2	(2)	Chile	113 200	22.64	63.49	512.66
3	(3)	China	106 300	21.26	84.75	452.07
4	(7)	Zimbabwe	33 900	6.78	91.53	45.98
5	(4)	Argentina	18 610	3.72	95.25	13.86
6	(5)	Brazil	15 193	3.04	98.29	9.23
7	(6)	Canada	5 436	1.09	99.38	1.18
8	(8)	United States	1 325	0.27	99.64	0.07
9	(11)	Nigeria	930	0.19	99.83	0.03
10	(9)	Bolivia	380	0.08	99.90	0.01
11	(10)	Portugal	380	0.08	99.98	0.01
12	(13)	Tanzania	57	0.01	99.99	0.00
13	(12)	Russia	30	0.01	100.00	0.00
14	(**)	Burundi	13	0.00	100.00	0.00
Total			499 954	100.00		HHI 2 703

Mercury

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	700	65.85	65.85	4 336.40
2	(2)	Tajikistan	300	28.22	94.07	796.48
3	(5)	Russia	30	2.82	96.90	7.96
4	(4)	United States	15	1.41	98.31	1.99
5	(3)	Mexico	10	0.94	99.25	0.88
6	(6)	Kyrgyzstan	6	0.56	99.81	0.32
7	(7)	Morocco	2	0.19	100.00	0.04
Total			1 063	100.00		HHI 5 144

Rare Earth Minerals (REO-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	255 000	66.18	66.18	4 379.61
2	(4)	Myanmar	56 850	14.75	80.93	217.68
3	(2)	United States	41 557	10.79	91.72	116.32
4	(3)	Australia	20 280	5.26	96.98	27.70
5	(5)	Madagascar	4 000	1.04	98.02	1.08
6	(6)	India	2 600	0.67	98.69	0.46
7	(7)	Russia	1 964	0.51	99.20	0.26
8	(8)	Brazil	1 280	0.33	99.54	0.11
9	(9)	Vietnam	1 100	0.29	99.82	0.08
10	(10)	Nigeria	390	0.10	99.92	0.01
11	(11)	Malaysia	300	0.08	100.00	0.01
Total			385 321	100.00		HHI 4 743

Rhenium

Rank 2023	Rank 2022	Country	Production 2023 kg	Share in %	Share cum. %	Share HHI
1	(1)	Chile	50 754	69.61	69.61	4 845.15
2	(2)	United States	9 410	12.91	82.51	166.55
3	(3)	Poland	6 491	8.90	91.41	79.25
4	(4)	China	2 650	3.63	95.05	13.21
5	(5)	Russia	2 000	2.74	97.79	7.52
6	(6)	Kazakhstan	800	1.10	98.89	1.20
7	(7)	Uzbekistan	670	0.92	99.81	0.84
8	(8)	Armenia	140	0.19	100.00	0.04
Total			72 915	100.00		HHI 5 114

Selenium

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 400	35.06	35.06	1 229.30
2	(2)	Japan	680	17.03	52.09	290.01
3	(4)	Philippines	300	7.51	59.60	56.45
4	(3)	Germany	300	7.51	67.12	56.45
5	(5)	Russia	250	6.26	73.38	39.20
6	(6)	Belgium	200	5.01	78.39	25.09
7	(7)	Mexico	139	3.48	81.87	12.12
8	(10)	Canada	130	3.26	85.12	10.60
9	(8)	Finland	122	3.06	88.18	9.34
10	(11)	Chile	103	2.58	90.76	6.65
11	(9)	United States	100	2.50	93.26	6.27
12	(12)	Poland	74	1.85	95.12	3.43
13	(**)	Kazakhstan	60	1.50	96.62	2.26
14	(13)	Peru	50	1.25	97.87	1.57
15	(14)	Uzbekistan	35	0.88	98.75	0.77
16	(16)	India	20	0.50	99.25	0.25
17	(15)	Sweden	20	0.50	99.75	0.25
18	(17)	Serbia	10	0.25	100.00	0.06
		Total	3 993	100.00		HHI 1 750

Tellurium

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	500	72.25	72.25	5 220.69
2	(2)	Japan	65	9.39	81.65	88.23
3	(3)	Russia	50	7.23	88.87	52.21
4	(4)	Sweden	36	5.20	94.08	27.06
5	(5)	Canada	27	3.90	97.98	15.22
6	(6)	United States	10	1.45	99.42	2.09
7	(7)	Uzbekistan	3	0.43	99.86	0.19
8	(8)	Bulgaria	1	0.14	100.00	0.02
		Total	692	100.00		HHI 5 406

Tin

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	68 000	23.55	23.55	554.38
2	(2)	Indonesia	50 669	17.54	41.09	307.80
3	(3)	Myanmar	41 950	14.53	55.61	210.98
4	(4)	Peru	26 230	9.08	64.70	82.49
5	(6)	Brazil	25 121	8.70	73.40	75.66
6	(7)	Bolivia	18 693	6.47	79.87	41.89
7	(5)	Congo, D.R.	18 460	6.39	86.26	40.86

8	(8)	Australia	9 852	3.41	89.67	11.64
9	(10)	Vietnam	9 079	3.14	92.81	9.88
10	(9)	Nigeria	7 680	2.66	95.47	7.07
11	(11)	Malaysia	3 767	1.30	96.78	1.70
12	(12)	Russia	3 570	1.24	98.01	1.53
13	(13)	Rwanda	3 210	1.11	99.13	1.24
14	(15)	Namibia	876	0.30	99.43	0.09
15	(14)	Laos	790	0.27	99.70	0.07
16	(17)	Spain	356	0.12	99.83	0.02
17	(16)	Tanzania	316	0.11	99.94	0.01
18	(19)	Burundi	70	0.02	99.96	0.00
19	(20)	Portugal	48	0.02	99.98	0.00
20	(18)	Thailand	30	0.01	99.99	0.00
21	(22)	India	23	0.01	99.99	0.00
22	(21)	Mongolia	16	0.01	100.00	0.00
Total			288 806	100.00		HHI 1 347

Zinc

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	4 130 000	32.98	32.98	1 087.88
2	(2)	Peru	1 469 127	11.73	44.72	137.66
3	(3)	Australia	1 098 290	8.77	53.49	76.93
4	(5)	India	853 400	6.82	60.30	46.45
5	(6)	United States	767 000	6.13	66.43	37.52
6	(4)	Mexico	744 285	5.94	72.37	35.33
7	(7)	Bolivia	491 768	3.93	76.30	15.42
8	(8)	Kazakhstan	352 900	2.82	79.12	7.94
9	(9)	Russia	320 000	2.56	81.67	6.53
10	(10)	Sweden	217 596	1.74	83.41	3.02
11	(11)	Iran	215 900	1.72	85.14	2.97
12	(12)	South Africa	197 630	1.58	86.71	2.49
13	(16)	Brazil	194 030	1.55	88.26	2.40
14	(13)	Türkiye	187 700	1.50	89.76	2.25
15	(14)	Portugal	185 670	1.48	91.24	2.20
16	(17)	Eritrea	116 829	0.93	92.18	0.87
17	(15)	Canada	109 507	0.87	93.05	0.76
18	(19)	Spain	89 219	0.71	93.76	0.51
19	(24)	Cuba	66 100	0.53	94.29	0.28
20	(21)	Mongolia	60 300	0.48	94.77	0.23
21	(20)	Finland	58 387	0.47	95.24	0.22
22	(18)	Ireland	53 327	0.43	95.67	0.18
23	(22)	Tajikistan	45 071	0.36	96.03	0.13
24	(26)	Uzbekistan	41 600	0.33	96.36	0.11
25	(25)	Pakistan	41 295	0.33	96.69	0.11
26	(28)	Morocco	36 320	0.29	96.98	0.08
27	(27)	Namibia	35 621	0.28	97.26	0.08
28	(23)	Nigeria	33 270	0.27	97.53	0.07
29	(30)	Honduras	30 000	0.24	97.77	0.06
30	(31)	Korea, North	28 000	0.22	97.99	0.05
31	(29)	North Macedonia	27 880	0.22	98.21	0.05
32	(37)	Congo, Rep.	24 070	0.19	98.41	0.04
33	(32)	Saudi Arabia	23 510	0.19	98.59	0.04
34	(33)	Chile	22 059	0.18	98.77	0.03
35	(38)	Vietnam	20 970	0.17	98.94	0.03
36	(35)	Bulgaria	17 830	0.14	99.08	0.02

37	(42)	Greece	16 600	0.13	99.21	0.02
38	(37)	Congo, D.R.	11 321	0.09	99.30	0.01
39	(48)	Dominican Republic	10 837	0.09	99.39	0.01
40	(40)	Indonesia	10 410	0.08	99.47	0.01
41	(43)	Serbia	10 380	0.08	99.56	0.01
42	(51)	Argentina	9 580	0.08	99.63	0.01
43	(41)	Myanmar	8 980	0.07	99.70	0.01
44	(45)	Bosnia-Herzegovina	8 050	0.06	99.77	0.00
45	(44)	Montenegro	7 640	0.06	99.83	0.00
46	(36)	Laos	7 100	0.06	99.89	0.00
47	(46)	Armenia	6 198	0.05	99.94	0.00
48	(49)	Kosovo	2 810	0.02	99.96	0.00
49	(54)	Malaysia	1 981	0.02	99.97	0.00
50	(52)	Tunisia	1 600	0.01	99.99	0.00
51	(50)	Korea, South	810	0.01	99.99	0.00
52	(47)	Romania	500	0.00	100.00	0.00
53	(53)	Algeria	240	0.00	100.00	0.00
54	(55)	Slovakia	90	0.00	100.00	0.00
Total			12 521 588	100.00		HHI 1 471

6.5.3 Precious Metals

Gold

Rank 2023	Rank 2022	Country	Production 2023 kg	Share in %	Share cum. %	Share HHI
1	(1)	China	375 155	11.49	11.49	131.91
2	(3)	Russia	312 800	9.58	21.06	91.70
3	(2)	Australia	296 053	9.06	30.12	82.15
4	(4)	Canada	191 035	5.85	35.97	34.20
5	(5)	United States	170 000	5.20	41.18	27.09
6	(6)	Mexico	131 842	4.04	45.21	16.29
7	(7)	Kazakhstan	131 204	4.02	49.23	16.13
8	(8)	Ghana	125 611	3.85	53.08	14.79
9	(9)	Uzbekistan	107 120	3.28	56.36	10.75
10	(11)	Peru	100 986	3.09	59.45	9.56
11	(13)	South Africa	96 626	2.96	62.41	8.75
12	(10)	Indonesia	94 610	2.90	65.30	8.39
13	(12)	Brazil	86 900	2.66	67.96	7.08
14	(14)	Guinea	75 599	2.31	70.28	5.36
15	(15)	Mali	72 600	2.22	72.50	4.94
16	(19)	Colombia	61 300	1.88	74.38	3.52
17	(16)	Burkina Faso	57 338	1.76	76.13	3.08
18	(17)	Tanzania	54 760	1.68	77.81	2.81
19	(20)	Cote d'Ivoire	51 185	1.57	79.38	2.46
20	(18)	Bolivia	46 615	1.43	80.80	2.04
21	(21)	Papua New Guinea	41 540	1.27	82.07	1.62
22	(23)	Argentina	38 510	1.18	83.25	1.39
23	(25)	Türkiye	36 250	1.11	84.36	1.23
24	(26)	Chile	35 790	1.10	85.46	1.20
25	(27)	Congo, D.R.	34 526	1.06	86.52	1.12
26	(24)	Zimbabwe	32 391	0.99	87.51	0.98
27	(28)	Philippines	31 046	0.95	88.46	0.90
28	(29)	Kyrgyzstan	24 600	0.75	89.21	0.57

29	(22)	Sudan	23 200	0.71	89.92	0.50
30	(33)	Mauritania	20 129	0.62	90.54	0.38
31	(31)	Suriname	17 853	0.55	91.08	0.30
32	(30)	Dominican Republic	17 646	0.54	91.62	0.29
33	(34)	Ecuador	17 550	0.54	92.16	0.29
34	(32)	Mongolia	14 855	0.45	92.62	0.21
35	(37)	Egypt	13 998	0.43	93.04	0.18
36	(39)	Liberia	13 639	0.42	93.46	0.17
37	(38)	Saudi Arabia	13 476	0.41	93.87	0.17
38	(36)	Guyana	13 440	0.41	94.29	0.17
39	(40)	Nicaragua	13 330	0.41	94.69	0.17
40	(35)	Senegal	12 864	0.39	95.09	0.16
41	(41)	Korea, North	10 000	0.31	95.39	0.09
42	(49)	Namibia	9 800	0.30	95.69	0.09
43	(45)	Bulgaria	9 276	0.28	95.98	0.08
44	(43)	Tajikistan	9 220	0.28	96.26	0.08
45	(44)	Venezuela	9 000	0.28	96.54	0.08
46	(46)	Finland	8 804	0.27	96.81	0.07
47	(48)	Iran	8 674	0.27	97.07	0.07
48	(42)	Laos	8 312	0.25	97.33	0.06
49	(47)	Sweden	7 358	0.23	97.55	0.05
50	(50)	Serbia	6 944	0.21	97.76	0.05
51	(51)	New Zealand	6 844	0.21	97.97	0.04
52	(53)	Georgia	5 000	0.15	98.13	0.02
53	(54)	Japan	4 139	0.13	98.25	0.02
54	(56)	Panama	4 039	0.12	98.38	0.02
55	(58)	Togo	3 600	0.11	98.49	0.01
56	(60)	Cambodia	3 524	0.11	98.59	0.01
57	(52)	Ethiopia	3 500	0.11	98.70	0.01
58	(61)	Azerbaijan	2 659	0.08	98.78	0.01
59	(63)	Nigeria	2 632	0.08	98.86	0.01
60	(62)	Eritrea	2 550	0.08	98.94	0.01
61	(55)	Niger	2 534	0.08	99.02	0.01
62	(59)	Zambia	2 145	0.07	99.08	0.00
63	(68)	Greece	2 088	0.06	99.15	0.00
64	(66)	Honduras	2 051	0.06	99.21	0.00
65	(65)	Rwanda	2 000	0.06	99.27	0.00
66	(64)	Madagascar	2 000	0.06	99.33	0.00
67	(93)	Solomon Islands	1 788	0.05	99.39	0.00
68	(72)	Mozambique	1 666	0.05	99.44	0.00
69	(70)	Spain	1 605	0.05	99.49	0.00
70	(67)	Malaysia	1 584	0.05	99.54	0.00
71	(69)	Central African Republic	1 549	0.05	99.58	0.00
72	(71)	India	1 428	0.04	99.63	0.00
73	(74)	Gabon	1 276	0.04	99.67	0.00
74	(75)	French Guiana	1 110	0.03	99.70	0.00
75	(76)	Burundi	1 054	0.03	99.73	0.00
76	(73)	Vietnam	962	0.03	99.76	0.00
77	(57)	Armenia	930	0.03	99.79	0.00
78	(**)	Thailand	857	0.03	99.82	0.00
79	(78)	Costa Rica	800	0.02	99.84	0.00
80	(80)	North Macedonia	600	0.02	99.86	0.00
81	(81)	Fiji	545	0.02	99.88	0.00
82	(83)	Myanmar	510	0.02	99.89	0.00
83	(84)	Romania	500	0.02	99.91	0.00
84	(86)	Slovakia	492	0.02	99.92	0.00
85	(79)	Poland	442	0.01	99.94	0.00
86	(77)	Cameroon	431	0.01	99.95	0.00
87	(82)	Kenya	410	0.01	99.96	0.00
88	(85)	Botswana	331	0.01	99.97	0.00
89	(88)	Sierra Leone	163	0.00	99.98	0.00
90	(90)	Congo, Rep.	150	0.00	99.98	0.00

91	(91)	Algeria	147	0.00	99.99	0.00
92	(87)	United Kingdom	126	0.00	99.99	0.00
93	(89)	Morocco	104	0.00	99.99	0.00
94	(95)	Malawi	60	0.00	100.00	0.00
95	(92)	Korea, South	43	0.00	100.00	0.00
96	(94)	Angola	41	0.00	100.00	0.00
97	(99)	Eswatini	23	0.00	100.00	0.00
98	(96)	Germany	14	0.00	100.00	0.00
99	(98)	Benin	5	0.00	100.00	0.00
100	(97)	Uganda	4	0.00	100.00	0.00
101	(100)	Taiwan	3	0.00	100.00	0.00
Total			3 266 418	100.00		HHI 496

Palladium

Rank 2023	Rank 2022	Country	Production 2023 kg	Share in %	Share cum. %	Share HHI
1	(1)	Russia	83 980	40.86	40.86	1 669.48
2	(2)	South Africa	74 918	36.45	77.31	1 328.62
3	(3)	Canada	17 267	8.40	85.71	70.58
4	(4)	Zimbabwe	15 857	7.71	93.43	59.52
5	(5)	United States	10 251	4.99	98.41	24.87
6	(6)	China	2 000	0.97	99.39	0.95
7	(7)	Finland	762	0.37	99.76	0.14
8	(8)	Australia	410	0.20	99.96	0.04
9	(10)	Uzbekistan	60	0.03	99.99	0.00
10	(9)	Serbia	25	0.01	100.00	0.00
11	(11)	Poland	5	0.00	100.00	0.00
Total			205 535	100.00		HHI 3 154

Platinum

Rank 2023	Rank 2022	Country	Production 2023 kg	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	124 870	69.84	69.84	4 877.59
2	(2)	Russia	20 650	11.55	81.39	133.39
3	(3)	Zimbabwe	19 180	10.73	92.12	115.08
4	(4)	Canada	6 120	3.42	95.54	11.72
5	(5)	United States	3 038	1.70	97.24	2.89
6	(6)	China	3 000	1.68	98.92	2.82
7	(7)	Finland	933	0.52	99.44	0.27
8	(8)	Colombia	893	0.50	99.94	0.25
9	(9)	Australia	100	0.06	99.99	0.00
10	(11)	Poland	6	0.00	100.00	0.00
11	(10)	Serbia	5	0.00	100.00	0.00
Total			178 795	100.00		HHI 5 144

Rhodium

Rank 2023	Rank 2022	Country	Production 2023 kg	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	18 549	81.23	81.23	6 598.41
2	(2)	Russia	2 180	9.55	90.78	91.14
3	(3)	Zimbabwe	1 672	7.32	98.10	53.61
4	(4)	Canada	334	1.46	99.56	2.14
5	(5)	United States	100	0.44	100.00	0.19
		Total	22 835	100.00		HHI 6 745

Silver

Rank 2023	Rank 2022	Country	Production 2023 kg	Share in %	Share cum. %	Share HHI
1	(1)	Mexico	7 277 840	27.32	27.32	746.16
2	(2)	China	3 399 600	12.76	40.08	162.81
3	(3)	Peru	3 041 394	11.42	51.49	130.31
4	(4)	Russia	1 550 000	5.82	57.31	33.84
5	(7)	Bolivia	1 350 216	5.07	62.38	25.68
6	(5)	Poland	1 319 900	4.95	67.33	24.54
7	(6)	Chile	1 262 287	4.74	72.07	22.45
8	(8)	Australia	1 032 993	3.88	75.95	15.03
9	(10)	United States	1 020 000	3.83	79.77	14.66
10	(9)	Kazakhstan	894 807	3.36	83.13	11.28
11	(11)	Argentina	810 190	3.04	86.17	9.25
12	(12)	India	738 664	2.77	88.95	7.69
13	(13)	Sweden	404 055	1.52	90.46	2.30
14	(14)	Indonesia	281 060	1.05	91.52	1.11
15	(15)	Canada	240 523	0.90	92.42	0.81
16	(16)	Uzbekistan	239 500	0.90	93.32	0.81
17	(17)	Morocco	231 700	0.87	94.19	0.76
18	(19)	Papua New Guinea	136 530	0.51	94.70	0.26
19	(23)	Brazil	102 640	0.39	95.09	0.15
20	(18)	Türkiye	96 130	0.36	95.45	0.13
21	(26)	Spain	88 796	0.33	95.78	0.11
22	(22)	Portugal	88 676	0.33	96.11	0.11
23	(21)	Iran	87 100	0.33	96.44	0.11
24	(20)	Panama	84 737	0.32	96.76	0.10
25	(24)	Mongolia	73 000	0.27	97.03	0.08
26	(35)	Botswana	55 396	0.21	97.24	0.04
27	(25)	Dominican Republic	52 042	0.20	97.44	0.04
28	(32)	Colombia	51 699	0.19	97.63	0.04
29	(28)	Korea, North	50 000	0.19	97.82	0.04
30	(29)	Eritrea	48 532	0.18	98.00	0.03
31	(31)	Ecuador	47 950	0.18	98.18	0.03
32	(27)	Philippines	46 160	0.17	98.35	0.03
33	(33)	Finland	43 915	0.16	98.52	0.03
34	(34)	Greece	42 988	0.16	98.68	0.03
35	(30)	South Africa	41 929	0.16	98.84	0.02
36	(40)	Nicaragua	36 500	0.14	98.97	0.02
37	(36)	Honduras	32 000	0.12	99.09	0.01
38	(39)	Georgia	24 000	0.09	99.18	0.01
39	(37)	Bulgaria	22 800	0.09	99.27	0.01

40	(38)	Laos	19 526	0.07	99.34	0.01
41	(42)	Romania	18 000	0.07	99.41	0.00
42	(44)	North Macedonia	16 120	0.06	99.47	0.00
43	(43)	Kyrgyzstan	15 400	0.06	99.53	0.00
44	(41)	Armenia	15 286	0.06	99.59	0.00
45	(45)	Tanzania	14 481	0.05	99.64	0.00
46	(47)	Tajikistan	12 000	0.05	99.68	0.00
47	(**)	Thailand	10 417	0.04	99.72	0.00
48	(49)	Saudi Arabia	9 000	0.03	99.76	0.00
49	(50)	Burkina Faso	7 891	0.03	99.79	0.00
50	(52)	Germany	7 000	0.03	99.81	0.00
51	(68)	Malaysia	6 726	0.03	99.84	0.00
52	(54)	New Zealand	5 554	0.02	99.86	0.00
53	(46)	Azerbaijan	5 211	0.02	99.88	0.00
54	(53)	Namibia	5 000	0.02	99.90	0.00
55	(48)	Serbia	5 000	0.02	99.92	0.00
56	(55)	Congo, D.R.	3 400	0.01	99.93	0.00
57	(56)	Mali	3 000	0.01	99.94	0.00
58	(57)	Japan	2 604	0.01	99.95	0.00
59	(51)	Korea, South	2 322	0.01	99.96	0.00
60	(62)	Vietnam	1 744	0.01	99.97	0.00
61	(60)	Cote d'Ivoire	1 600	0.01	99.97	0.00
62	(65)	Ghana	1 000	0.00	99.98	0.00
63	(59)	Sudan	1 000	0.00	99.98	0.00
64	(58)	Ireland	998	0.00	99.98	0.00
65	(64)	Senegal	982	0.00	99.99	0.00
66	(61)	Zimbabwe	753	0.00	99.99	0.00
67	(63)	United Kingdom	650	0.00	99.99	0.00
68	(67)	Fiji	607	0.00	99.99	0.00
69	(66)	Ethiopia	600	0.00	100.00	0.00
70	(69)	Slovakia	407	0.00	100.00	0.00
71	(70)	Nigeria	277	0.00	100.00	0.00
72	(72)	Solomon Islands	220	0.00	100.00	0.00
73	(71)	Niger	100	0.00	100.00	0.00
74	(73)	Algeria	20	0.00	100.00	0.00
Total			26 643 145	100.00		HHI 1 211

6.5.4 Industrial Minerals

Asbestos

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Russia	598 000	48.28	48.28	2 330.84
2	(2)	Kazakhstan	255 300	20.61	68.89	424.83
3	(3)	China	196 000	15.82	84.71	250.39
4	(4)	Brazil	189 340	15.29	100.00	233.67
Total			1 238 640	100.00		HHI 3 240

Baryte

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	India	2 400 000	26.95	26.95	726.15
2	(2)	China	2 000 000	22.46	49.40	504.27
3	(3)	Morocco	931 332	10.46	59.86	109.35
4	(8)	Laos	725 207	8.14	68.00	66.30
5	(4)	Kazakhstan	650 000	7.30	75.30	53.26
6	(5)	Mexico	482 302	5.42	80.72	29.33
7	(10)	Iran	389 429	4.37	85.09	19.12
8	(6)	United States	344 750	3.87	88.96	14.98
9	(9)	Russia	220 000	2.47	91.43	6.10
10	(7)	Türkiye	215 946	2.42	93.85	5.88
11	(11)	Pakistan	140 970	1.58	95.44	2.51
12	(12)	Bulgaria	60 000	0.67	96.11	0.45
13	(15)	Bolivia	54 509	0.61	96.72	0.37
14	(13)	Canada	50 000	0.56	97.28	0.32
15	(14)	Algeria	49 200	0.55	97.84	0.31
16	(16)	Vietnam	48 500	0.54	98.38	0.30
17	(22)	Thailand	30 685	0.34	98.73	0.12
18	(18)	United Kingdom	30 000	0.34	99.06	0.11
19	(17)	Myanmar	29 300	0.33	99.39	0.11
20	(20)	Germany	16 434	0.18	99.58	0.03
21	(19)	Peru	11 824	0.13	99.71	0.02
22	(21)	Tunisia	10 000	0.11	99.82	0.01
23	(25)	Egypt	4 000	0.04	99.87	0.00
24	(24)	Korea, North	4 000	0.04	99.91	0.00
25	(26)	Australia	3 754	0.04	99.95	0.00
26	(23)	Brazil	1 795	0.02	99.97	0.00
27	(28)	Colombia	1 376	0.02	99.99	0.00
28	(29)	Ecuador	1 000	0.01	100.00	0.00
29	(27)	Nigeria	30	0.00	100.00	0.00
Total			8 906 343	100.00		HHI 1 539

Bentonite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	4 360 000	22.62	22.62	511.61
2	(2)	India	3 500 000	18.16	40.78	329.68
3	(4)	Türkiye	2 494 366	12.94	53.72	167.45
4	(3)	China	2 100 000	10.89	64.61	118.69
5	(5)	Iran	1 960 421	10.17	74.78	103.43
6	(6)	Greece	1 166 920	6.05	80.83	36.65
7	(7)	Russia	537 000	2.79	83.62	7.76
8	(20)	Italy	394 391	2.05	85.67	4.19
9	(9)	Germany	285 000	1.48	87.14	2.19
10	(10)	Slovakia	272 234	1.41	88.56	1.99
11	(11)	Brazil	200 000	1.04	89.59	1.08
12	(16)	Czechia	196 000	1.02	90.61	1.03
13	(13)	France	180 000	0.93	91.55	0.87
14	(14)	Japan	180 000	0.93	92.48	0.87
15	(17)	Argentina	174 190	0.90	93.38	0.82

16	(15)	Azerbaijan	127 010	0.66	94.04	0.43
17	(12)	Spain	117 550	0.61	94.65	0.37
18	(22)	Cyprus	102 442	0.53	95.18	0.28
19	(18)	Morocco	89 274	0.46	95.65	0.21
20	(21)	South Africa	77 598	0.40	96.05	0.16
21	(19)	Mozambique	71 593	0.37	96.42	0.14
22	(25)	Kazakhstan	65 000	0.34	96.76	0.11
23	(24)	Romania	62 026	0.32	97.08	0.10
24	(23)	Bulgaria	61 000	0.32	97.40	0.10
25	(26)	Uzbekistan	60 000	0.31	97.71	0.10
26	(28)	Ukraine	50 000	0.26	97.97	0.07
27	(33)	Australia	47 551	0.25	98.21	0.06
28	(29)	Pakistan	45 000	0.23	98.45	0.05
29	(30)	Hungary	38 000	0.20	98.64	0.04
30	(32)	Bosnia-Herzegovina	37 878	0.20	98.84	0.04
31	(35)	Georgia	34 600	0.18	99.02	0.03
32	(31)	Algeria	34 000	0.18	99.20	0.03
33	(27)	Colombia	31 263	0.16	99.36	0.03
34	(37)	Philippines	26 556	0.14	99.50	0.02
35	(36)	Peru	24 783	0.13	99.62	0.02
36	(34)	Denmark	18 962	0.10	99.72	0.01
37	(38)	Uruguay	15 547	0.08	99.80	0.01
38	(39)	Turkmenistan	10 000	0.05	99.86	0.00
39	(8)	Korea, South	8 000	0.04	99.90	0.00
40	(40)	Guatemala	7 400	0.04	99.94	0.00
41	(42)	Bolivia	5 100	0.03	99.96	0.00
42	(41)	Egypt	5 000	0.03	99.99	0.00
43	(**)	Poland	1 110	0.01	99.99	0.00
44	(44)	New Zealand	500	0.00	100.00	0.00
45	(43)	Chile	463	0.00	100.00	0.00
46	(45)	Cuba	269	0.00	100.00	0.00
47	(46)	Slovenia	86	0.00	100.00	0.00
Total			19 276 083	100.00		HHI 1 291

Boron Minerals

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Türkiye	1 920 000	40.07	40.07	1 605.37
2	(2)	United States	1 200 000	25.04	65.11	627.10
3	(3)	Chile	450 239	9.40	74.50	88.28
4	(4)	China	360 300	7.52	82.02	56.53
5	(5)	Bolivia	327 253	6.83	88.85	46.64
6	(6)	Peru	259 424	5.41	94.27	29.31
7	(7)	Argentina	170 000	3.55	97.81	12.59
8	(8)	Russia	91 500	1.91	99.72	3.65
9	(10)	Iran	13 250	0.28	100.00	0.08
Total			4 791 966	100.00		HHI 2 470

Diamonds (Gem)

Rank 2023	Rank 2022	Country	Production 2023 ct	Share in %	Share cum. %	Share HHI
1	(1)	Russia	22 390 050	30.95	30.95	958.07
2	(2)	Botswana	18 319 200	25.33	56.28	641.36
3	(3)	Canada	15 674 351	21.67	77.95	469.53
4	(4)	Angola	8 615 980	11.91	89.86	141.87
5	(5)	South Africa	2 437 800	3.37	93.23	11.36
6	(6)	Namibia	2 266 020	3.13	96.36	9.81
7	(8)	Zimbabwe	764 730	1.06	97.42	1.12
8	(9)	Lesotho	471 745	0.65	98.07	0.43
9	(7)	Congo, D.R.	424 880	0.59	98.66	0.35
10	(10)	Sierra Leone	408 270	0.56	99.22	0.32
11	(15)	Ghana	152 070	0.21	99.43	0.04
12	(11)	Tanzania	108 760	0.15	99.58	0.02
13	(12)	Guinea	90 040	0.12	99.71	0.02
14	(13)	Central African Republic	85 060	0.12	99.82	0.01
15	(14)	Guyana	72 301	0.10	99.92	0.01
16	(17)	Liberia	27 290	0.04	99.96	0.00
17	(16)	Brazil	25 310	0.03	100.00	0.00
18	(18)	Cote d'Ivoire	2 368	0.00	100.00	0.00
Total			72 336 225	100.00		HHI 2 234

Diamonds (Ind)

Rank 2023	Rank 2022	Country	Production 2023 ct	Share in %	Share cum. %	Share HHI
1	(1)	Russia	14 926 700	38.29	38.29	1 466.23
2	(2)	Congo, D.R.	7 880 920	20.22	58.51	408.72
3	(3)	Botswana	6 775 600	17.38	75.89	302.11
4	(5)	Zimbabwe	4 333 480	11.12	87.01	123.58
5	(4)	South Africa	3 466 200	8.89	95.90	79.06
6	(6)	Angola	1 138 330	2.92	98.82	8.53
7	(7)	Sierra Leone	121 950	0.31	99.13	0.10
8	(8)	Namibia	119 265	0.31	99.44	0.09
9	(9)	Brazil	51 390	0.13	99.57	0.02
10	(14)	Ghana	50 690	0.13	99.70	0.02
11	(11)	Guinea	30 000	0.08	99.78	0.01
12	(12)	Liberia	29 560	0.08	99.85	0.01
13	(13)	Central African Republic	26 860	0.07	99.92	0.00
14	(10)	Tanzania	23 875	0.06	99.98	0.00
15	(15)	Congo, Rep.	4 074	0.01	99.99	0.00
16	(16)	Cameroon	2 950	0.01	100.00	0.00
17	(17)	India	55	0.00	100.00	0.00
Total			38 981 899	100.00		HHI 2 388

Diatomite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	849 000	34.57	34.57	1 194.85
2	(2)	China	370 000	15.06	49.63	226.93
3	(5)	Russia	200 000	8.14	57.77	66.31
4	(4)	Argentina	157 680	6.42	64.19	41.21
5	(3)	Türkiye	154 444	6.29	70.48	39.54
6	(13)	Korea, South	120 941	4.92	75.41	24.25
7	(7)	Mexico	102 906	4.19	79.60	17.55
8	(6)	Denmark	101 900	4.15	83.74	17.21
9	(8)	Peru	98 872	4.03	87.77	16.20
10	(9)	Spain	73 997	3.01	90.78	9.08
11	(12)	France	50 000	2.04	92.82	4.14
12	(11)	Germany	44 439	1.81	94.63	3.27
13	(14)	Czechia	38 000	1.55	96.17	2.39
14	(10)	Mozambique	29 633	1.21	97.38	1.46
15	(16)	Chile	17 319	0.71	98.09	0.50
16	(15)	Brazil	16 546	0.67	98.76	0.45
17	(17)	Costa Rica	15 000	0.61	99.37	0.37
18	(18)	Ethiopia	5 000	0.20	99.57	0.04
19	(**)	Thailand	3 000	0.12	99.70	0.01
20	(20)	Algeria	3 000	0.12	99.82	0.01
21	(**)	Iran	1 800	0.07	99.89	0.01
22	(22)	Poland	1 620	0.07	99.96	0.00
23	(21)	Kenya	770	0.03	99.99	0.00
24	(19)	Australia	262	0.01	100.00	0.00
Total			2 456 129	100.00		HHI 1 666

Feldspar

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Türkiye	9 478 458	27.69	27.69	766.97
2	(2)	India	6 000 000	17.53	45.22	307.33
3	(3)	Iran	3 860 951	11.28	56.51	127.26
4	(4)	China	2 500 000	7.30	63.81	53.36
5	(5)	Italy	2 200 000	6.43	70.24	41.32
6	(6)	Thailand	1 884 301	5.51	75.74	30.31
7	(7)	Korea, South	990 546	2.89	78.64	8.38
8	(11)	Morocco	773 761	2.26	80.90	5.11
9	(10)	Saudi Arabia	650 000	1.90	82.80	3.61
10	(8)	Brazil	621 075	1.81	84.61	3.29
11	(9)	Spain	617 009	1.80	86.42	3.25
12	(13)	France	450 000	1.31	87.73	1.73
13	(14)	United States	450 000	1.31	89.05	1.73
14	(17)	Indonesia	445 800	1.30	90.35	1.70
15	(16)	Pakistan	415 000	1.21	91.56	1.47
16	(18)	Russia	400 000	1.17	92.73	1.37
17	(15)	Mexico	383 444	1.12	93.85	1.26
18	(12)	Czechia	352 000	1.03	94.88	1.06
19	(19)	Malaysia	220 000	0.64	95.52	0.41
20	(21)	Egypt	200 000	0.58	96.10	0.34

21	(20)	Germany	180 994	0.53	96.63	0.28
22	(22)	Algeria	170 000	0.50	97.13	0.25
23	(23)	Portugal	159 047	0.46	97.60	0.22
24	(25)	South Africa	142 820	0.42	98.01	0.17
25	(31)	Nigeria	76 575	0.22	98.24	0.05
26	(24)	Colombia	73 675	0.22	98.45	0.05
27	(26)	Finland	55 211	0.16	98.61	0.03
28	(28)	Sri Lanka	50 000	0.15	98.76	0.02
29	(29)	Philippines	47 000	0.14	98.90	0.02
30	(41)	Poland	46 930	0.14	99.03	0.02
31	(27)	Norway	45 020	0.13	99.16	0.02
32	(30)	Argentina	40 000	0.12	99.28	0.01
33	(33)	Austria	35 000	0.10	99.38	0.01
34	(32)	North Macedonia	34 591	0.10	99.49	0.01
35	(36)	Venezuela	30 000	0.09	99.57	0.01
36	(34)	Ukraine	30 000	0.09	99.66	0.01
37	(37)	Sweden	25 000	0.07	99.73	0.01
38	(35)	Guatemala	20 000	0.06	99.79	0.00
39	(40)	Romania	20 000	0.06	99.85	0.00
40	(43)	Cuba	17 300	0.05	99.90	0.00
41	(38)	Peru	14 111	0.04	99.94	0.00
42	(42)	Sudan	10 000	0.03	99.97	0.00
43	(39)	Slovakia	6 300	0.02	99.99	0.00
44	(**)	Dominican Republic	2 100	0.01	100.00	0.00
45	(46)	Uruguay	800	0.00	100.00	0.00
46	(44)	Uganda	555	0.00	100.00	0.00
47	(45)	Australia	54	0.00	100.00	0.00
48	(**)	Chile	28	0.00	100.00	0.00
Total			34 225 456	100.00		HHI 1 362

Fluorspar

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	5 700 000	65.68	65.68	4 313.27
2	(2)	Mexico	1 162 591	13.40	79.07	179.44
3	(4)	Mongolia	492 500	5.67	84.75	32.20
4	(3)	South Africa	452 000	5.21	89.95	27.12
5	(11)	Thailand	187 566	2.16	92.11	4.67
6	(6)	Spain	146 975	1.69	93.81	2.87
7	(5)	Vietnam	146 007	1.68	95.49	2.83
8	(7)	Morocco	101 369	1.17	96.66	1.36
9	(8)	Russia	56 000	0.65	97.30	0.42
10	(9)	Iran	39 321	0.45	97.76	0.21
11	(13)	Afghanistan	37 256	0.43	98.19	0.18
12	(10)	Germany	35 508	0.41	98.59	0.17
13	(16)	Türkiye	32 407	0.37	98.97	0.14
14	(12)	Brazil	28 365	0.33	99.30	0.11
15	(14)	Nigeria	23 960	0.28	99.57	0.08
16	(19)	Pakistan	9 200	0.11	99.68	0.01
17	(17)	United Kingdom	8 000	0.09	99.77	0.01
18	(23)	India	6 296	0.07	99.84	0.01
19	(20)	Korea, North	6 000	0.07	99.91	0.00

20	(24)	Laos	2 716	0.03	99.94	0.00
21	(18)	Argentina	2 000	0.02	99.97	0.00
22	(21)	Tajikistan	2 000	0.02	99.99	0.00
23	(22)	Egypt	1 000	0.01	100.00	0.00
Total			8 679 037	100.00		HHI 4 565

Graphite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	1 208 000	72.92	72.92	5 316.76
2	(4)	India	128 947	7.78	80.70	60.58
3	(2)	Mozambique	97 346	5.88	86.58	34.53
4	(3)	Madagascar	60 720	3.67	90.24	13.43
5	(5)	Brazil	56 053	3.38	93.62	11.45
6	(6)	Türkiye	27 974	1.69	95.31	2.85
7	(8)	Korea, North	20 000	1.21	96.52	1.46
8	(9)	Russia	14 500	0.88	97.39	0.77
9	(12)	Tanzania	13 475	0.81	98.21	0.66
10	(7)	Korea, South	9 615	0.58	98.79	0.34
11	(11)	Norway	6 483	0.39	99.18	0.15
12	(10)	Canada	4 261	0.26	99.44	0.07
13	(13)	Mexico	3 124	0.19	99.63	0.04
14	(14)	Sri Lanka	2 998	0.18	99.81	0.03
15	(15)	Ukraine	1 666	0.10	99.91	0.01
16	(16)	Vietnam	1 100	0.07	99.97	0.00
17	(17)	Austria	300	0.02	99.99	0.00
18	(18)	Germany	136	0.01	100.00	0.00
Total			1 656 698	100.00		HHI 5 443

Gypsum and Anhydrite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	59 360 800	27.64	27.64	763.92
2	(2)	United States	21 500 000	10.01	37.65	100.21
3	(3)	Iran	18 895 228	8.80	46.45	77.40
4	(4)	Spain	14 462 507	6.73	53.18	45.35
5	(6)	Oman	13 253 100	6.17	59.35	38.08
6	(5)	Türkiye	10 336 796	4.81	64.17	23.16
7	(8)	Mexico	9 786 105	4.56	68.72	20.76
8	(7)	Thailand	8 736 085	4.07	72.79	16.55
9	(10)	Brazil	5 754 563	2.68	75.47	7.18
10	(11)	Australia	4 917 390	2.29	77.76	5.24
11	(12)	Russia	4 800 000	2.23	79.99	4.99
12	(9)	Germany	4 730 000	2.20	82.20	4.85
13	(13)	India	4 000 000	1.86	84.06	3.47
14	(14)	Saudi Arabia	3 800 000	1.77	85.83	3.13
15	(15)	Canada	3 479 599	1.62	87.45	2.62
16	(16)	Algeria	2 500 000	1.16	88.61	1.35
17	(18)	United Kingdom	2 400 000	1.12	89.73	1.25

18	(17)	France	1 808 560	0.84	90.57	0.71
19	(19)	Pakistan	1 639 730	0.76	91.33	0.58
20	(20)	Laos	1 252 577	0.58	91.92	0.34
21	(26)	Bhutan	1 100 000	0.51	92.43	0.26
22	(21)	Iraq	1 100 000	0.51	92.94	0.26
23	(24)	Tunisia	900 000	0.42	93.36	0.18
24	(22)	Poland	892 000	0.42	93.78	0.17
25	(25)	Romania	841 964	0.39	94.17	0.15
26	(23)	Chile	832 770	0.39	94.56	0.15
27	(28)	Egypt	800 000	0.37	94.93	0.14
28	(31)	Greece	746 656	0.35	95.28	0.12
29	(26)	Austria	702 581	0.33	95.60	0.11
30	(30)	Cyprus	690 909	0.32	95.93	0.10
31	(38)	Azerbaijan	599 141	0.28	96.20	0.08
32	(32)	Tanzania	549 836	0.26	96.46	0.07
33	(27)	Italy	418 061	0.19	96.66	0.04
34	(37)	Jordan	400 000	0.19	96.84	0.03
35	(34)	Colombia	389 107	0.18	97.02	0.03
36	(29)	Argentina	376 680	0.18	97.20	0.03
37	(61)	Myanmar	360 000	0.17	97.37	0.03
38	(**)	Latvia	348 070	0.16	97.53	0.03
39	(40)	Peru	338 598	0.16	97.69	0.02
40	(35)	Dominican Republic	332 700	0.15	97.84	0.02
41	(39)	Switzerland	330 000	0.15	97.99	0.02
42	(41)	Libya	300 000	0.14	98.13	0.02
43	(42)	Croatia	288 960	0.13	98.27	0.02
44	(50)	North Macedonia	274 403	0.13	98.40	0.02
45	(44)	Angola	270 000	0.13	98.52	0.02
46	(47)	Syria	250 000	0.12	98.64	0.01
47	(48)	Guatemala	240 109	0.11	98.75	0.01
48	(45)	South Africa	226 749	0.11	98.86	0.01
49	(77)	Afghanistan	192 137	0.09	98.94	0.01
50	(43)	Moldova	180 800	0.08	99.03	0.01
51	(53)	Sudan	150 000	0.07	99.10	0.00
52	(46)	Kazakhstan	149 600	0.07	99.17	0.00
53	(55)	Kyrgyzstan	120 000	0.06	99.22	0.00
54	(57)	Mauritania	120 000	0.06	99.28	0.00
55	(56)	Morocco	116 471	0.05	99.33	0.00
56	(58)	Mongolia	112 000	0.05	99.39	0.00
57	(59)	Ethiopia	110 000	0.05	99.44	0.00
58	(60)	Ireland	110 000	0.05	99.49	0.00
59	(54)	Bosnia-Herzegovina	104 125	0.05	99.54	0.00
60	(49)	Portugal	101 322	0.05	99.58	0.00
61	(33)	Ukraine	100 000	0.05	99.63	0.00
62	(64)	Albania	95 262	0.04	99.68	0.00
63	(52)	Bolivia	89 000	0.04	99.72	0.00
64	(69)	Israel	88 124	0.04	99.76	0.00
65	(66)	Honduras	75 000	0.03	99.79	0.00
66	(63)	Jamaica	70 500	0.03	99.83	0.00
67	(68)	Slovakia	60 000	0.03	99.85	0.00
68	(73)	Georgia	57 600	0.03	99.88	0.00
69	(70)	Nicaragua	53 110	0.02	99.91	0.00
70	(51)	Nigeria	45 235	0.02	99.93	0.00
71	(71)	Cuba	37 400	0.02	99.94	0.00
72	(65)	Bulgaria	30 400	0.01	99.96	0.00
73	(72)	Eritrea	26 000	0.01	99.97	0.00
74	(74)	Yemen	20 000	0.01	99.98	0.00
75	(76)	Tajikistan	15 500	0.01	99.99	0.00

76	(75)	Czechia	11 000	0.01	99.99	0.00
77	(67)	Armenia	7 580	0.00	100.00	0.00
78	(78)	Kenya	6 000	0.00	100.00	0.00
79	(79)	Paraguay	4 500	0.00	100.00	0.00
Total			214 771 000	100.00		HHI 1 123

Kaolin

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	India	8 400 000	18.52	18.52	343.10
2	(2)	China	8 292 000	18.28	36.81	334.33
3	(6)	Russia	5 100 000	11.25	48.05	126.47
4	(4)	United States	4 560 000	10.06	58.11	101.11
5	(3)	Germany	3 523 000	7.77	65.88	60.35
6	(7)	Iran	3 026 428	6.67	72.55	44.54
7	(5)	Czechia	2 402 000	5.30	77.85	28.05
8	(10)	Indonesia	1 609 600	3.55	81.40	12.60
9	(8)	Türkiye	1 348 023	2.97	84.37	8.84
10	(9)	Brazil	828 394	1.83	86.20	3.34
11	(11)	United Kingdom	771 994	1.70	87.90	2.90
12	(13)	Uzbekistan	580 000	1.28	89.18	1.64
13	(12)	Ukraine	550 000	1.21	90.39	1.47
14	(15)	Portugal	427 187	0.94	91.33	0.89
15	(20)	Spain	403 105	0.89	92.22	0.79
16	(14)	Korea, South	332 179	0.73	92.95	0.54
17	(21)	Malaysia	290 366	0.64	93.59	0.41
18	(19)	Saudi Arabia	280 000	0.62	94.21	0.38
19	(16)	Poland	276 120	0.61	94.82	0.37
20	(18)	Serbia	275 000	0.61	95.43	0.37
21	(17)	France	268 828	0.59	96.02	0.35
22	(23)	Egypt	230 000	0.51	96.53	0.26
23	(22)	Bulgaria	210 000	0.46	96.99	0.21
24	(25)	Italy	177 221	0.39	97.38	0.15
25	(28)	Thailand	169 644	0.37	97.76	0.14
26	(24)	Mexico	159 570	0.35	98.11	0.12
27	(34)	Colombia	143 533	0.32	98.42	0.10
28	(27)	Algeria	120 000	0.26	98.69	0.07
29	(26)	Australia	115 890	0.26	98.94	0.07
30	(32)	Tanzania	75 247	0.17	99.11	0.03
31	(33)	Chile	51 300	0.11	99.22	0.01
32	(31)	Vietnam	50 000	0.11	99.33	0.01
33	(30)	New Zealand	50 000	0.11	99.44	0.01
34	(35)	Sri Lanka	30 000	0.07	99.51	0.00
35	(29)	Nigeria	29 843	0.07	99.58	0.00
36	(36)	Argentina	22 786	0.05	99.63	0.00
37	(40)	Philippines	21 780	0.05	99.67	0.00
38	(38)	Bosnia-Herzegovina	21 541	0.05	99.72	0.00
39	(39)	Sudan	20 000	0.04	99.77	0.00
40	(41)	Pakistan	14 130	0.03	99.80	0.00
41	(43)	Austria	13 500	0.03	99.83	0.00
42	(37)	Slovakia	12 250	0.03	99.85	0.00
43	(44)	Japan	12 000	0.03	99.88	0.00
44	(42)	Peru	11 876	0.03	99.91	0.00
45	(45)	Jordan	11 000	0.02	99.93	0.00
46	(53)	Uganda	8 809	0.02	99.95	0.00
47	(46)	South Africa	8 690	0.02	99.97	0.00

48	(47)	Paraguay	6 000	0.01	99.98	0.00
49	(48)	Kyrgyzstan	5 000	0.01	99.99	0.00
50	(51)	Cuba	1 465	0.00	100.00	0.00
51	(50)	Ethiopia	1 000	0.00	100.00	0.00
52	(49)	Kenya	500	0.00	100.00	0.00
53	(52)	Guatemala	300	0.00	100.00	0.00
54	(**)	Taiwan	45	0.00	100.00	0.00
Total			45 349 144	100.00		HHI 1 074

Magnesite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	15 000 000	65.91	65.91	4 344.64
2	(3)	Brazil	1 413 000	6.21	72.12	38.55
3	(2)	Türkiye	1 333 728	5.86	77.98	34.35
4	(4)	Russia	1 058 400	4.65	82.63	21.63
5	(5)	Austria	669 400	2.94	85.58	8.65
6	(6)	Spain	667 248	2.93	88.51	8.60
7	(10)	United States	523 540	2.30	90.81	5.29
8	(8)	Australia	432 319	1.90	92.71	3.61
9	(7)	Slovakia	432 200	1.90	94.61	3.61
10	(11)	Finland	298 025	1.31	95.92	1.72
11	(12)	Canada	230 000	1.01	96.93	1.02
12	(13)	Iran	218 152	0.96	97.89	0.92
13	(9)	Greece	135 363	0.59	98.48	0.35
14	(15)	India	123 207	0.54	99.02	0.29
15	(14)	Saudi Arabia	90 000	0.40	99.42	0.16
16	(16)	Korea, North	80 000	0.35	99.77	0.12
17	(17)	Poland	28 630	0.13	99.90	0.02
18	(18)	Guatemala	10 000	0.04	99.94	0.00
19	(19)	South Africa	6 000	0.03	99.97	0.00
20	(20)	Pakistan	4 954	0.02	99.99	0.00
21	(21)	Colombia	2 540	0.01	100.00	0.00
22	(22)	Cuba	260	0.00	100.00	0.00
Total			22 756 966	100.00		HHI 4 474

Perlite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Türkiye	1 174 125	38.32	38.32	1 468.12
2	(2)	Greece	842 376	27.49	65.81	755.69
3	(3)	United States	654 000	21.34	87.15	455.50
4	(4)	Hungary	80 000	2.61	89.76	6.82
5	(11)	Iran	69 670	2.27	92.03	5.17
6	(7)	Russia	65 000	2.12	94.15	4.50
7	(6)	Georgia	64 000	2.09	96.24	4.36
8	(8)	Slovakia	39 270	1.28	97.52	1.64
9	(9)	Argentina	32 000	1.04	98.57	1.09
10	(10)	Philippines	18 384	0.60	99.17	0.36

11	(5)	Armenia	12 325	0.40	99.57	0.16
12	(12)	Bulgaria	5 000	0.16	99.73	0.03
13	(13)	Australia	2 669	0.09	99.82	0.01
14	(14)	Thailand	2 500	0.08	99.90	0.01
15	(**)	Chile	1 997	0.07	99.97	0.00
16	(15)	South Africa	1 000	0.03	100.00	0.00
Total			3 064 316	100.00		HHI 2 703

Phosphate Rock (P₂O₅-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	31 592 700	44.25	44.25	1 957.93
2	(2)	Morocco	9 158 800	12.83	57.08	164.55
3	(3)	Russia	5 632 300	7.89	64.96	62.23
4	(4)	United States	5 508 000	7.71	72.68	59.51
5	(5)	Jordan	3 665 250	5.13	77.81	26.35
6	(6)	Saudi Arabia	3 250 000	4.55	82.36	20.72
7	(7)	Brazil	1 776 800	2.49	84.85	6.19
8	(8)	Peru	1 430 400	2.00	86.86	4.01
9	(9)	Egypt	1 100 000	1.54	88.40	2.37
10	(11)	Senegal	940 110	1.32	89.71	1.73
11	(13)	Vietnam	895 020	1.25	90.97	1.57
12	(10)	Tunisia	844 200	1.18	92.15	1.40
13	(14)	Israel	738 900	1.03	93.18	1.07
14	(15)	Algeria	632 000	0.89	94.07	0.78
15	(12)	South Africa	628 000	0.88	94.95	0.77
16	(16)	Togo	561 470	0.79	95.74	0.62
17	(19)	Australia	520 390	0.73	96.46	0.53
18	(17)	Kazakhstan	511 120	0.72	97.18	0.51
19	(18)	India	383 400	0.54	97.72	0.29
20	(21)	Türkiye	381 400	0.53	98.25	0.29
21	(20)	Finland	330 710	0.46	98.72	0.21
22	(22)	Syria	250 000	0.35	99.07	0.12
23	(23)	Uzbekistan	186 500	0.26	99.33	0.07
24	(27)	Christmas Island	141 900	0.20	99.53	0.04
25	(24)	Mexico	125 700	0.18	99.70	0.03
26	(26)	Iran	80 790	0.11	99.81	0.01
27	(25)	Nauru	54 400	0.08	99.89	0.01
28	(28)	Pakistan	27 000	0.04	99.93	0.00
29	(30)	Sri Lanka	16 330	0.02	99.95	0.00
30	(29)	Colombia	11 760	0.02	99.97	0.00
31	(31)	Venezuela	10 000	0.01	99.98	0.00
32	(33)	Tanzania	6 980	0.01	99.99	0.00
33	(34)	Chile	2 740	0.00	100.00	0.00
34	(32)	Zimbabwe	2 700	0.00	100.00	0.00
35	(**)	Philippines	570	0.00	100.00	0.00
Total			71 398 340	100.00		HHI 2 314

Potash (K₂O-Content)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Canada	14 043 046	31.17	31.17	971.78
2	(3)	Russia	7 864 000	17.46	48.63	304.74
3	(4)	Belarus	6 380 000	14.16	62.79	200.58
4	(2)	China	5 470 400	12.14	74.94	147.46
5	(5)	Germany	2 536 308	5.63	80.57	31.70
6	(6)	Israel	2 341 050	5.20	85.76	27.01
7	(8)	Laos	2 050 800	4.55	90.32	20.72
8	(7)	Jordan	1 695 800	3.76	94.08	14.17
9	(9)	Chile	743 930	1.65	95.73	2.73
10	(11)	Spain	420 000	0.93	96.66	0.87
11	(10)	United States	390 000	0.87	97.53	0.75
12	(12)	Brazil	363 275	0.81	98.34	0.65
13	(17)	Turkmenistan	260 700	0.58	98.91	0.33
14	(13)	Uzbekistan	238 500	0.53	99.44	0.28
15	(14)	United Kingdom	141 260	0.31	99.76	0.10
16	(15)	Bolivia	53 700	0.12	99.88	0.01
17	(16)	Iran	50 000	0.11	99.99	0.01
18	(18)	Australia	5 503	0.01	100.00	0.00
		Total	45 048 272	100.00		HHI 1 724

Salt

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	52 685 800	19.59	19.59	383.65
2	(2)	United States	42 000 000	15.61	35.20	243.81
3	(3)	India	34 000 000	12.64	47.84	159.78
4	(5)	Germany	13 486 651	5.01	52.86	25.14
5	(6)	Australia	12 176 705	4.53	57.38	20.49
6	(4)	Canada	11 720 185	4.36	61.74	18.99
7	(7)	Chile	10 721 181	3.99	65.73	15.89
8	(8)	Türkiye	8 587 332	3.19	68.92	10.19
9	(10)	Mexico	7 686 773	2.86	71.78	8.17
10	(9)	Russia	7 658 000	2.85	74.62	8.11
11	(11)	Brazil	7 000 000	2.60	77.23	6.77
12	(12)	Netherlands	4 883 185	1.82	79.04	3.30
13	(13)	France	4 373 125	1.63	80.67	2.64
14	(16)	Iran	4 177 958	1.55	82.22	2.41
15	(15)	Poland	3 275 000	1.22	83.44	1.48
16	(14)	Spain	3 269 197	1.22	84.65	1.48
17	(18)	Pakistan	3 107 500	1.16	85.81	1.33
18	(19)	United Kingdom	2 715 118	1.01	86.82	1.02
19	(17)	Bulgaria	2 700 000	1.00	87.82	1.01
20	(20)	Saudi Arabia	2 400 000	0.89	88.71	0.80
21	(21)	Belarus	2 300 000	0.86	89.57	0.73
22	(23)	Bangladesh	2 232 000	0.83	90.40	0.69
23	(34)	Indonesia	2 214 766	0.82	91.22	0.68
24	(22)	Tunisia	1 900 000	0.71	91.93	0.50
25	(25)	Kazakhstan	1 859 206	0.69	92.62	0.48
26	(24)	Thailand	1 392 649	0.52	93.14	0.27

27	(26)	Romania	1 244 111	0.46	93.60	0.21
28	(28)	Bosnia-Herzegovina	1 165 909	0.43	94.03	0.19
29	(30)	Namibia	1 154 116	0.43	94.46	0.18
30	(31)	Austria	1 146 551	0.43	94.89	0.18
31	(36)	Argentina	1 080 650	0.40	95.29	0.16
32	(27)	Italy	1 044 156	0.39	95.68	0.15
33	(29)	Peru	1 008 624	0.37	96.05	0.14
34	(32)	Japan	792 000	0.29	96.35	0.09
35	(35)	Bahamas	712 420	0.26	96.61	0.07
36	(43)	Venezuela	650 700	0.24	96.85	0.06
37	(39)	Vietnam	648 700	0.24	97.10	0.06
38	(38)	South Africa	615 889	0.23	97.32	0.05
39	(37)	Denmark	600 000	0.22	97.55	0.05
40	(33)	Morocco	559 149	0.21	97.76	0.04
41	(44)	Botswana	387 956	0.14	97.90	0.02
42	(42)	Colombia	374 873	0.14	98.04	0.02
43	(41)	Switzerland	373 183	0.14	98.18	0.02
44	(46)	Eritrea	320 000	0.12	98.30	0.01
45	(45)	Senegal	272 615	0.10	98.40	0.01
46	(48)	Israel	264 691	0.10	98.50	0.01
47	(52)	Angola	252 000	0.09	98.59	0.01
48	(50)	Ethiopia	250 000	0.09	98.68	0.01
49	(49)	Korea, South	242 050	0.09	98.77	0.01
50	(51)	Greece	220 000	0.08	98.86	0.01
51	(70)	Iraq	200 000	0.07	98.93	0.01
52	(56)	Egypt	200 000	0.07	99.00	0.01
53	(57)	Myanmar	200 000	0.07	99.08	0.01
54	(55)	Tanzania	159 020	0.06	99.14	0.00
55	(47)	Ghana	150 000	0.06	99.19	0.00
56	(53)	Sudan	140 000	0.05	99.25	0.00
57	(58)	Portugal	139 190	0.05	99.30	0.00
58	(62)	Algeria	112 700	0.04	99.34	0.00
59	(60)	Syria	112 000	0.04	99.38	0.00
60	(66)	Taiwan	111 662	0.04	99.42	0.00
61	(59)	Madagascar	100 000	0.04	99.46	0.00
62	(64)	Korea, North	100 000	0.04	99.50	0.00
63	(71)	Philippines	100 000	0.04	99.53	0.00
64	(65)	Turkmenistan	98 000	0.04	99.57	0.00
65	(54)	Cuba	87 900	0.03	99.60	0.00
66	(78)	Cambodia	81 154	0.03	99.63	0.00
67	(75)	Afghanistan	79 316	0.03	99.66	0.00
68	(67)	Azerbaijan	73 267	0.03	99.69	0.00
69	(**)	New Zealand	70 000	0.03	99.72	0.00
70	(68)	Honduras	65 000	0.02	99.74	0.00
71	(61)	Sri Lanka	60 000	0.02	99.76	0.00
72	(69)	Kuwait	60 000	0.02	99.78	0.00
73	(83)	Kenya	55 091	0.02	99.80	0.00
74	(63)	Croatia	52 270	0.02	99.82	0.00
75	(72)	Nicaragua	50 000	0.02	99.84	0.00
76	(77)	Libya	50 000	0.02	99.86	0.00
77	(74)	Yemen	50 000	0.02	99.88	0.00
78	(73)	Armenia	44 285	0.02	99.90	0.00
79	(79)	Tajikistan	44 171	0.02	99.91	0.00
80	(76)	Jordan	40 000	0.01	99.93	0.00
81	(84)	Panama	30 004	0.01	99.94	0.00
82	(81)	El Salvador	30 000	0.01	99.95	0.00
83	(82)	Dominican Republic	29 250	0.01	99.96	0.00
84	(85)	Bolivia	21 900	0.01	99.97	0.00
85	(80)	Albania	20 000	0.01	99.98	0.00
86	(89)	Kyrgyzstan	11 000	0.00	99.98	0.00
87	(86)	Mozambique	10 406	0.00	99.98	0.00
88	(90)	Jamaica	10 000	0.00	99.99	0.00

89	(88)	Oman	7 300	0.00	99.99	0.00
90	(91)	Serbia	5 311	0.00	99.99	0.00
91	(92)	Iceland	5 000	0.00	99.99	0.00
92	(100)	Laos	3 538	0.00	100.00	0.00
93	(93)	Lebanon	3 000	0.00	100.00	0.00
94	(94)	Cape Verde	2 600	0.00	100.00	0.00
95	(96)	Malta	2 000	0.00	100.00	0.00
96	(97)	Mongolia	1 780	0.00	100.00	0.00
97	(95)	Slovenia	738	0.00	100.00	0.00
98	(99)	Benin	500	0.00	100.00	0.00
99	(98)	Mauritius	249	0.00	100.00	0.00
Total			268 982 276	100.00	HHI	922

Sulfur

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	18 500 000	22.36	22.36	499.87
2	(2)	United States	8 650 000	10.45	32.81	109.28
3	(3)	Saudi Arabia	7 000 000	8.46	41.27	71.57
4	(5)	United Arab Emirates	6 300 000	7.61	48.88	57.97
5	(4)	Russia	5 960 000	7.20	56.09	51.88
6	(6)	Canada	4 981 400	6.02	62.11	36.24
7	(7)	Kazakhstan	4 742 700	5.73	67.84	32.85
8	(8)	India	3 881 000	4.69	72.53	22.00
9	(10)	Qatar	3 050 000	3.69	76.22	13.59
10	(9)	Japan	3 017 400	3.65	79.86	13.30
11	(12)	Korea, South	2 000 000	2.42	82.28	5.84
12	(13)	Chile	1 594 200	1.93	84.21	3.71
13	(14)	Kuwait	1 138 900	1.38	85.58	1.89
14	(15)	Poland	946 350	1.14	86.73	1.31
15	(16)	Australia	900 000	1.09	87.81	1.18
16	(11)	Iran	864 275	1.04	88.86	1.09
17	(19)	Spain	737 700	0.89	89.75	0.79
18	(18)	Finland	693 600	0.84	90.59	0.70
19	(21)	Peru	603 600	0.73	91.32	0.53
20	(20)	Zambia	576 200	0.70	92.01	0.48
21	(22)	Uzbekistan	517 000	0.62	92.64	0.39
22	(25)	Indonesia	500 000	0.60	93.24	0.37
23	(23)	Brazil	490 000	0.59	93.84	0.35
24	(24)	Bulgaria	431 700	0.52	94.36	0.27
25	(30)	Turkmenistan	400 000	0.48	94.84	0.23
26	(26)	France	400 000	0.48	95.32	0.23
27	(27)	Sweden	385 000	0.47	95.79	0.22
28	(17)	Italy	303 600	0.37	96.16	0.13
29	(29)	Jordan	300 840	0.36	96.52	0.13
30	(31)	Venezuela	300 000	0.36	96.88	0.13
31	(28)	Germany	276 876	0.33	97.22	0.11
32	(33)	Cuba	260 000	0.31	97.53	0.10
33	(34)	Greece	230 000	0.28	97.81	0.08
34	(32)	Mexico	216 900	0.26	98.07	0.07
35	(35)	Iraq	180 000	0.22	98.29	0.05
36	(40)	Türkiye	140 800	0.17	98.46	0.03
37	(39)	Libya	138 200	0.17	98.63	0.03
38	(41)	Bahrain	133 100	0.16	98.79	0.03
39	(36)	Taiwan	122 238	0.15	98.93	0.02
40	(37)	Namibia	120 250	0.15	99.08	0.02

41	(42)	United Kingdom	120 000	0.15	99.22	0.02
42	(38)	Ukraine	100 000	0.12	99.35	0.01
43	(43)	Philippines	100 000	0.12	99.47	0.01
44	(45)	Norway	82 000	0.10	99.57	0.01
45	(44)	Oman	80 060	0.10	99.66	0.01
46	(46)	Egypt	80 000	0.10	99.76	0.01
47	(47)	South Africa	63 695	0.08	99.84	0.01
48	(48)	Lithuania	54 538	0.07	99.90	0.00
49	(49)	Colombia	32 000	0.04	99.94	0.00
50	(51)	Armenia	14 400	0.02	99.96	0.00
51	(50)	Pakistan	11 692	0.01	99.97	0.00
52	(52)	Korea, North	10 000	0.01	99.98	0.00
53	(53)	Algeria	6 000	0.01	99.99	0.00
54	(54)	Austria	4 400	0.01	100.00	0.00
55	(55)	Denmark	2 700	0.00	100.00	0.00
Total			82 745 314	100.00		HHI 929

Talc

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	India	1 450 000	20.30	20.30	412.09
2	(2)	China	1 400 000	19.60	39.90	384.16
3	(3)	Brazil	600 000	8.40	48.30	70.56
4	(4)	United States	508 000	7.11	55.41	50.58
5	(7)	France	350 000	4.90	60.31	24.01
6	(5)	South Africa	319 775	4.48	64.79	20.04
7	(8)	Korea, South	306 929	4.30	69.09	18.46
8	(21)	Türkiye	232 927	3.26	72.35	10.63
9	(6)	Afghanistan	215 252	3.01	75.36	9.08
10	(11)	Canada	200 000	2.80	78.16	7.84
11	(10)	Finland	197 116	2.76	80.92	7.62
12	(13)	Saudi Arabia	180 000	2.52	83.44	6.35
13	(9)	Pakistan	164 200	2.30	85.74	5.28
14	(12)	Italy	164 000	2.30	88.03	5.27
15	(15)	Japan	140 000	1.96	89.99	3.84
16	(14)	Austria	138 621	1.94	91.93	3.77
17	(19)	Iran	132 673	1.86	93.79	3.45
18	(17)	Australia	129 000	1.81	95.60	3.26
19	(16)	Slovakia	100 000	1.40	97.00	1.96
20	(29)	Nigeria	64 400	0.90	97.90	0.81
21	(20)	Peru	53 894	0.75	98.65	0.57
22	(23)	Thailand	32 484	0.45	99.11	0.21
23	(22)	Mexico	20 534	0.29	99.40	0.08
24	(24)	Egypt	20 000	0.28	99.68	0.08
25	(27)	Portugal	5 673	0.08	99.76	0.01
26	(26)	Sudan	4 500	0.06	99.82	0.00
27	(31)	Nepal	4 123	0.06	99.88	0.00
28	(30)	Argentina	2 242	0.03	99.91	0.00
29	(28)	United Kingdom	2 000	0.03	99.94	0.00
30	(25)	Colombia	1 690	0.02	99.96	0.00
31	(32)	Guatemala	1 370	0.02	99.98	0.00
32	(**)	Kenya	949	0.01	99.99	0.00
33	(34)	Bhutan	400	0.01	100.00	0.00
34	(33)	Uruguay	145	0.00	100.00	0.00
Total			7 142 897	100.00		HHI 1 050

Vermiculite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	South Africa	169 797	36.29	36.29	1 317.08
2	(2)	United States	100 000	21.37	57.67	456.83
3	(3)	Brazil	52 638	11.25	68.92	126.58
4	(5)	Russia	35 607	7.61	76.53	57.92
5	(4)	China	35 000	7.48	84.01	55.96
6	(6)	Zimbabwe	28 277	6.04	90.05	36.53
7	(7)	Uganda	23 837	5.09	95.15	25.96
8	(8)	Türkiye	10 500	2.24	97.39	5.04
9	(9)	Bulgaria	10 000	2.14	99.53	4.57
10	(10)	India	1 537	0.33	99.86	0.11
11	(11)	Kenya	600	0.13	99.98	0.02
12	(**)	Mexico	76	0.02	100.00	0.00
Total			467 869	100.00		HHI 2 087

Zircon

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Australia	462 000	34.88	34.88	1 216.88
2	(2)	South Africa	289 479	21.86	56.74	477.75
3	(4)	Mozambique	143 505	10.84	67.58	117.41
4	(3)	China	100 000	7.55	75.13	57.01
5	(5)	Indonesia	95 300	7.20	82.32	51.78
6	(6)	Senegal	73 325	5.54	87.86	30.65
7	(8)	Madagascar	34 376	2.60	90.46	6.74
8	(7)	Sierra Leone	27 776	2.10	92.55	4.40
9	(9)	Kenya	21 153	1.60	94.15	2.55
10	(10)	United States	20 000	1.51	95.66	2.28
11	(11)	Vietnam	16 750	1.26	96.92	1.60
12	(12)	India	15 000	1.13	98.06	1.28
13	(14)	Brazil	8 397	0.63	98.69	0.40
14	(15)	Russia	6 000	0.45	99.14	0.21
15	(13)	Ukraine	5 000	0.38	99.52	0.14
16	(16)	Nigeria	4 980	0.38	99.90	0.14
17	(17)	Malaysia	800	0.06	99.96	0.00
18	(18)	Sri Lanka	556	0.04	100.00	0.00
Total			1 324 397	100.00		HHI 1 971

6.5.5 Mineral Fuels

Steam Coal

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	3 821 084 000	54.44	54.44	2 963.48
2	(2)	India	931 005 000	13.26	67.70	175.93
3	(3)	Indonesia	769 103 900	10.96	78.66	120.06
4	(4)	United States	426 601 300	6.08	84.74	36.94
5	(5)	Australia	233 043 000	3.32	88.06	11.02
6	(6)	Russia	232 000 000	3.31	91.36	10.92
7	(7)	South Africa	228 731 000	3.26	94.62	10.62
8	(8)	Kazakhstan	104 621 500	1.49	96.11	2.22
9	(9)	Colombia	59 627 100	0.85	96.96	0.72
10	(10)	Vietnam	47 258 700	0.67	97.63	0.45
11	(11)	Poland	36 428 460	0.52	98.15	0.27
12	(13)	Korea, North	17 100 000	0.24	98.40	0.06
13	(14)	Philippines	16 560 000	0.24	98.63	0.06
14	(16)	Pakistan	15 069 760	0.21	98.85	0.05
15	(18)	Mongolia	13 440 980	0.19	99.04	0.04
16	(12)	Ukraine	13 330 000	0.19	99.23	0.04
17	(15)	Canada	9 249 320	0.13	99.36	0.02
18	(17)	Mozambique	7 763 290	0.11	99.47	0.01
19	(21)	Malaysia	4 052 344	0.06	99.53	0.00
20	(22)	Zimbabwe	3 826 750	0.05	99.58	0.00
21	(30)	Laos	3 644 064	0.05	99.63	0.00
22	(23)	Tanzania	3 256 481	0.05	99.68	0.00
23	(20)	Brazil	3 163 068	0.05	99.73	0.00
24	(24)	Türkiye	2 448 755	0.03	99.76	0.00
25	(26)	Tajikistan	2 084 200	0.03	99.79	0.00
26	(25)	Botswana	2 064 373	0.03	99.82	0.00
27	(31)	Myanmar	1 880 000	0.03	99.85	0.00
28	(28)	Czechia	1 375 256	0.02	99.87	0.00
29	(35)	Afghanistan	1 238 000	0.02	99.88	0.00
30	(29)	New Zealand	1 213 841	0.02	99.90	0.00
31	(34)	Kyrgyzstan	863 500	0.01	99.91	0.00
32	(36)	Bangladesh	767 307	0.01	99.92	0.00
33	(32)	Zambia	706 115	0.01	99.94	0.00
34	(33)	Korea, South	645 949	0.01	99.94	0.00
35	(19)	Mexico	531 904	0.01	99.95	0.00
36	(27)	Nigeria	481 692	0.01	99.96	0.00
37	(41)	Eswatini	393 328	0.01	99.96	0.00
38	(38)	Iran	386 400	0.01	99.97	0.00
39	(39)	Uzbekistan	352 000	0.01	99.97	0.00
40	(37)	United Kingdom	345 860	0.00	99.98	0.00
41	(42)	Peru	233 364	0.00	99.98	0.00
42	(40)	Niger	193 632	0.00	99.99	0.00
43	(43)	Albania	191 406	0.00	99.99	0.00
44	(45)	Venezuela	150 000	0.00	99.99	0.00
45	(46)	Georgia	148 029	0.00	99.99	0.00
46	(49)	Chile	121 570	0.00	99.99	0.00
47	(47)	Norway	119 745	0.00	100.00	0.00

48	(44)	Bhutan	113 950	0.00	100.00	0.00
49	(50)	Argentina	85 000	0.00	100.00	0.00
50	(48)	Malawi	64 251	0.00	100.00	0.00
51	(51)	Nepal	2 805	0.00	100.00	0.00
Total			7 019 162 249	100.00		HHI 3 333

Coking Coal

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	China	540 986 400	50.31	50.31	2 531.10
2	(2)	Australia	166 738 000	15.51	65.82	240.44
3	(3)	Russia	106 000 000	9.86	75.67	97.17
4	(4)	India	66 821 000	6.21	81.89	38.62
5	(5)	United States	59 982 200	5.58	87.47	31.12
6	(7)	Mongolia	51 319 850	4.77	92.24	22.78
7	(6)	Canada	30 897 530	2.87	95.11	8.26
8	(8)	Poland	11 924 180	1.11	96.22	1.23
9	(9)	Colombia	8 930 440	0.83	97.05	0.69
10	(11)	Mozambique	7 212 589	0.67	97.72	0.45
11	(10)	Kazakhstan	6 819 900	0.63	98.36	0.40
12	(12)	Indonesia	6 078 000	0.57	98.92	0.32
13	(13)	Ukraine	3 109 000	0.29	99.21	0.08
14	(14)	South Africa	2 880 342	0.27	99.48	0.07
15	(15)	Iran	1 155 650	0.11	99.59	0.01
16	(17)	New Zealand	1 110 810	0.10	99.69	0.01
17	(18)	Zimbabwe	1 071 990	0.10	99.79	0.01
18	(16)	Mexico	1 000 000	0.09	99.88	0.01
19	(19)	Czechia	637 091	0.06	99.94	0.00
20	(20)	Türkiye	470 145	0.04	99.99	0.00
21	(21)	United Kingdom	160 070	0.01	100.00	0.00
Total			1 075 305 187	100.00		HHI 2 973

Lignite

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Germany	102 127 890	16.12	16.12	259.99
2	(3)	Russia	92 000 000	14.53	30.65	210.98
3	(2)	Türkiye	75 613 340	11.94	42.59	142.52
4	(5)	India	42 257 000	6.67	49.26	44.51
5	(4)	Poland	40 100 590	6.33	55.59	40.08
6	(7)	Australia	38 891 000	6.14	61.73	37.70
7	(6)	United States	37 082 300	5.85	67.58	34.28
8	(9)	Serbia	31 937 750	5.04	72.63	25.43
9	(10)	Czechia	28 660 000	4.52	77.15	20.47
10	(8)	Bulgaria	21 114 000	3.33	80.49	11.11
11	(12)	Laos	15 255 113	2.41	82.89	5.80
12	(11)	Romania	14 745 137	2.33	85.22	5.42
13	(14)	Bosnia-Herzegovina	12 791 560	2.02	87.24	4.08
14	(15)	Thailand	12 713 628	2.01	89.25	4.03

15	(19)	Mongolia	11 283 860	1.78	91.03	3.17
16	(13)	Greece	10 611 290	1.68	92.71	2.81
17	(16)	Kosovo	6 923 659	1.09	93.80	1.19
18	(17)	Canada	6 658 000	1.05	94.85	1.10
19	(21)	Uzbekistan	5 836 000	0.92	95.77	0.85
20	(18)	Kazakhstan	4 982 500	0.79	96.56	0.62
21	(20)	North Macedonia	4 091 133	0.65	97.20	0.42
22	(22)	Hungary	4 072 289	0.64	97.85	0.41
23	(25)	Brazil	3 322 196	0.52	98.37	0.28
24	(23)	Kyrgyzstan	3 262 300	0.52	98.89	0.27
25	(24)	Slovenia	3 030 494	0.48	99.36	0.23
26	(26)	Montenegro	1 862 150	0.29	99.66	0.09
27	(28)	Myanmar	1 120 000	0.18	99.84	0.03
28	(27)	Slovakia	764 854	0.12	99.96	0.01
29	(29)	New Zealand	275 433	0.04	100.00	0.00
Total			633 385 466	100.00		HHI 858

Natural Gas

Rank 2023	Rank 2022	Country	Production 2023 Mio m ³	Share in %	Share cum. %	Share HHI
1	(1)	United States	1 070 480	25.74	25.74	662.43
2	(2)	Russia	616 200	14.82	40.55	219.50
3	(3)	Iran	266 250	6.40	46.95	40.98
4	(4)	China	232 430	5.59	52.54	31.23
5	(5)	Canada	191 252	4.60	57.14	21.14
6	(6)	Qatar	171 974	4.13	61.28	17.10
7	(7)	Australia	160 873	3.87	65.14	14.96
8	(9)	Saudi Arabia	123 531	2.97	68.11	8.82
9	(8)	Norway	117 322	2.82	70.94	7.96
10	(10)	Algeria	105 482	2.54	73.47	6.43
11	(11)	Turkmenistan	80 619	1.94	75.41	3.76
12	(12)	Malaysia	72 140	1.73	77.14	3.01
13	(13)	Indonesia	68 530	1.65	78.79	2.71
14	(14)	Egypt	57 100	1.37	80.16	1.88
15	(15)	United Arab Emirates	55 560	1.34	81.50	1.78
16	(16)	Uzbekistan	46 710	1.12	82.62	1.26
17	(18)	Argentina	44 640	1.07	83.70	1.15
18	(19)	Oman	43 160	1.04	84.73	1.08
19	(17)	Nigeria	42 930	1.03	85.77	1.07
20	(22)	Azerbaijan	36 414	0.88	86.64	0.77
21	(23)	India	35 081	0.84	87.49	0.71
22	(20)	United Kingdom	34 043	0.82	88.30	0.67
23	(21)	Pakistan	33 683	0.81	89.11	0.66
24	(24)	Venezuela	29 683	0.71	89.83	0.51
25	(27)	Kazakhstan	28 769	0.69	90.52	0.48
26	(25)	Mexico	27 210	0.65	91.17	0.43
27	(26)	Thailand	27 053	0.65	91.82	0.42
28	(28)	Trinidad and Tobago	25 715	0.62	92.44	0.38
29	(29)	Brazil	24 502	0.59	93.03	0.35
30	(30)	Bangladesh	22 650	0.54	93.58	0.30
31	(31)	Israel	21 285	0.51	94.09	0.26
32	(35)	Kuwait	18 735	0.45	94.54	0.20
33	(32)	Ukraine	18 110	0.44	94.97	0.19
34	(36)	Bahrain	16 580	0.40	95.37	0.16
35	(33)	Myanmar	14 700	0.35	95.73	0.12
36	(38)	Peru	14 632	0.35	96.08	0.12

37	(37)	Bolivia	13 471	0.32	96.40	0.10
38	(39)	Libya	12 270	0.30	96.70	0.09
39	(49)	Mozambique	11 751	0.28	96.98	0.08
40	(40)	Colombia	11 740	0.28	97.26	0.08
41	(34)	Netherlands	11 186	0.27	97.53	0.07
42	(41)	Brunei	10 255	0.25	97.78	0.06
43	(42)	Iraq	9 930	0.24	98.02	0.06
44	(43)	Romania	9 207	0.22	98.24	0.05
45	(45)	Vietnam	7 468	0.18	98.42	0.03
46	(44)	Equatorial Guinea	7 103	0.17	98.59	0.03
47	(46)	Angola	6 000	0.14	98.73	0.02
48	(47)	Papua New Guinea	5 616	0.14	98.87	0.02
49	(48)	Germany	4 620	0.11	98.98	0.01
50	(50)	Poland	4 600	0.11	99.09	0.01
51	(51)	New Zealand	3 804	0.09	99.18	0.01
52	(53)	Ghana	3 220	0.08	99.26	0.01
53	(52)	Italy	2 988	0.07	99.33	0.01
54	(55)	Cote d'Ivoire	2 728	0.07	99.39	0.00
55	(56)	Syria	2 600	0.06	99.46	0.00
56	(54)	Philippines	2 526	0.06	99.52	0.00
57	(57)	Tanzania	2 412	0.06	99.58	0.00
58	(58)	Cameroon	2 280	0.05	99.63	0.00
59	(59)	Japan	2 019	0.05	99.68	0.00
60	(60)	Tunisia	1 843	0.04	99.72	0.00
61	(61)	Hungary	1 640	0.04	99.76	0.00
62	(62)	Chile	1 380	0.03	99.80	0.00
63	(63)	Denmark	1 328	0.03	99.83	0.00
64	(64)	Ireland	1 040	0.03	99.85	0.00
65	(65)	Congo, Rep.	1 000	0.02	99.88	0.00
66	(66)	Cuba	955	0.02	99.90	0.00
67	(70)	Türkiye	852	0.02	99.92	0.00
68	(67)	Croatia	691	0.02	99.94	0.00
69	(68)	Austria	545	0.01	99.95	0.00
70	(69)	Gabon	400	0.01	99.96	0.00
71	(71)	Serbia	315	0.01	99.97	0.00
72	(72)	Ecuador	217	0.01	99.97	0.00
73	(73)	Belarus	210	0.01	99.98	0.00
74	(74)	Afghanistan	198	0.00	99.98	0.00
75	(76)	Jordan	174	0.00	99.99	0.00
76	(75)	Czechia	119	0.00	99.99	0.00
77	(77)	Taiwan	91	0.00	99.99	0.00
78	(79)	Guatemala	68	0.00	99.99	0.00
79	(80)	Slovakia	51	0.00	99.99	0.00
80	(78)	Morocco	51	0.00	100.00	0.00
81	(81)	Albania	49	0.00	100.00	0.00
82	(83)	Kyrgyzstan	27	0.00	100.00	0.00
83	(82)	Spain	26	0.00	100.00	0.00
84	(85)	Yemen	20	0.00	100.00	0.00
85	(84)	France	18	0.00	100.00	0.00
86	(87)	Georgia	16	0.00	100.00	0.00
87	(86)	Bulgaria	9	0.00	100.00	0.00
88	(88)	Barbados	9	0.00	100.00	0.00
89	(89)	South Africa	5	0.00	100.00	0.00
90	(90)	Slovenia	3	0.00	100.00	0.00
91	(**)	Greece	2	0.00	100.00	0.00
Total			4 159 174	100.00	HHI 1 056	

Petroleum

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	United States	909 154 300	20.00	20.00	399.83
2	(2)	Saudi Arabia	531 963 600	11.70	31.70	136.89
3	(3)	Russia	530 600 000	11.67	43.37	136.19
4	(4)	Canada	277 851 300	6.11	49.48	37.34
5	(8)	Iran	214 298 210	4.71	54.19	22.21
6	(5)	Iraq	213 040 760	4.69	58.88	21.95
7	(6)	China	209 026 100	4.60	63.47	21.13
8	(7)	United Arab Emirates	176 067 470	3.87	67.35	15.00
9	(9)	Brazil	173 333 000	3.81	71.16	14.53
10	(10)	Kuwait	144 868 200	3.19	74.34	10.15
11	(11)	Mexico	100 526 200	2.21	76.55	4.89
12	(12)	Norway	95 700 400	2.10	78.66	4.43
13	(13)	Kazakhstan	89 979 600	1.98	80.64	3.92
14	(14)	Qatar	73 753 160	1.62	82.26	2.63
15	(15)	Nigeria	73 213 100	1.61	83.87	2.59
16	(16)	Algeria	63 006 000	1.39	85.26	1.92
17	(19)	Libya	59 129 400	1.30	86.56	1.69
18	(17)	Angola	54 745 260	1.20	87.76	1.45
19	(18)	Oman	52 209 900	1.15	88.91	1.32
20	(22)	Venezuela	43 727 330	0.96	89.87	0.92
21	(21)	Colombia	38 794 920	0.85	90.72	0.73
22	(20)	United Kingdom	33 754 600	0.74	91.47	0.55
23	(27)	Argentina	31 630 100	0.70	92.16	0.48
24	(24)	Indonesia	30 156 500	0.66	92.83	0.44
25	(23)	Azerbaijan	30 147 400	0.66	93.49	0.44
26	(25)	Egypt	29 820 890	0.66	94.14	0.43
27	(26)	India	29 117 000	0.64	94.78	0.41
28	(28)	Malaysia	25 752 770	0.57	95.35	0.32
29	(29)	Ecuador	23 661 400	0.52	95.87	0.27
30	(31)	Guyana	19 478 600	0.43	96.30	0.18
31	(30)	Australia	18 437 420	0.41	96.71	0.16
32	(32)	Congo, Rep.	13 334 200	0.29	97.00	0.09
33	(34)	Gabon	11 160 000	0.25	97.24	0.06
34	(35)	Bahrain	9 134 850	0.20	97.45	0.04
35	(36)	Vietnam	8 628 000	0.19	97.63	0.04
36	(33)	Turkmenistan	8 316 700	0.18	97.82	0.03
37	(39)	South Sudan	7 272 710	0.16	97.98	0.03
38	(37)	Ghana	6 892 400	0.15	98.13	0.02
39	(38)	Thailand	6 780 010	0.15	98.28	0.02
40	(40)	Chad	6 664 600	0.15	98.43	0.02
41	(41)	Peru	5 757 700	0.13	98.55	0.02
42	(43)	Brunei	4 451 180	0.10	98.65	0.01
43	(44)	Italy	4 241 523	0.09	98.74	0.01
44	(46)	Türkiye	4 094 898	0.09	98.83	0.01
45	(42)	Equatorial Guinea	3 998 830	0.09	98.92	0.01
46	(45)	Pakistan	3 459 800	0.08	99.00	0.01
47	(48)	Cameroon	3 257 200	0.07	99.07	0.01
48	(47)	Trinidad and Tobago	3 236 260	0.07	99.14	0.01
49	(50)	Romania	2 986 000	0.07	99.21	0.00
50	(49)	Denmark	2 922 014	0.06	99.27	0.00
51	(52)	Sudan	2 321 000	0.05	99.32	0.00
52	(53)	Cuba	2 200 000	0.05	99.37	0.00
53	(55)	Uzbekistan	1 977 700	0.04	99.41	0.00
54	(56)	Syria	1 815 890	0.04	99.45	0.00
55	(58)	Tunisia	1 704 000	0.04	99.49	0.00

56	(59)	Germany	1 635 331	0.04	99.53	0.00
57	(57)	Bolivia	1 551 680	0.03	99.56	0.00
58	(61)	Belarus	1 495 000	0.03	99.59	0.00
59	(62)	Cote d'Ivoire	1 466 600	0.03	99.63	0.00
60	(60)	Papua New Guinea	1 458 200	0.03	99.66	0.00
61	(51)	Yemen	1 447 100	0.03	99.69	0.00
62	(54)	Ukraine	1 410 000	0.03	99.72	0.00
63	(63)	Congo, D.R.	1 149 910	0.03	99.75	0.00
64	(64)	Hungary	1 129 000	0.02	99.77	0.00
65	(68)	Niger	897 300	0.02	99.79	0.00
66	(65)	Suriname	855 230	0.02	99.81	0.00
67	(66)	Serbia	829 599	0.02	99.83	0.00
68	(69)	New Zealand	811 520	0.02	99.84	0.00
69	(67)	Poland	793 880	0.02	99.86	0.00
70	(77)	Mongolia	666 800	0.01	99.88	0.00
71	(70)	Albania	641 581	0.01	99.89	0.00
72	(71)	France	586 020	0.01	99.90	0.00
73	(72)	Croatia	533 900	0.01	99.92	0.00
74	(73)	Austria	478 093	0.01	99.93	0.00
75	(82)	Israel	459 211	0.01	99.94	0.00
76	(74)	Netherlands	404 894	0.01	99.95	0.00
77	(76)	Japan	355 600	0.01	99.95	0.00
78	(75)	Philippines	328 100	0.01	99.96	0.00
79	(78)	Bangladesh	313 310	0.01	99.97	0.00
80	(81)	Kyrgyzstan	302 700	0.01	99.97	0.00
81	(80)	Myanmar	298 900	0.01	99.98	0.00
82	(79)	Guatemala	287 600	0.01	99.99	0.00
83	(85)	Mozambique	219 770	0.00	99.99	0.00
84	(83)	Chile	121 790	0.00	99.99	0.00
85	(84)	Czechia	67 000	0.00	100.00	0.00
86	(**)	Greece	50 110	0.00	100.00	0.00
87	(86)	Georgia	38 900	0.00	100.00	0.00
88	(87)	Lithuania	24 775	0.00	100.00	0.00
89	(89)	Bulgaria	20 938	0.00	100.00	0.00
90	(90)	Barbados	19 000	0.00	100.00	0.00
91	(88)	Tajikistan	18 000	0.00	100.00	0.00
92	(91)	Jordan	6 000	0.00	100.00	0.00
93	(93)	Moldova	4 316	0.00	100.00	0.00
94	(94)	Slovakia	2 840	0.00	100.00	0.00
95	(95)	Morocco	2 102	0.00	100.00	0.00
96	(97)	Taiwan	1 400	0.00	100.00	0.00
97	(92)	South Africa	1 044	0.00	100.00	0.00
98	(98)	Spain	606	0.00	100.00	0.00
99	(99)	Slovenia	147	0.00	100.00	0.00

Total	4 546 738 152	100.00	HHI	846
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Oil Sands (part of Petroleum)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Canada	173 858 800	89.68	89.68	8 043.08
2	(2)	Venezuela	20 000 000	10.32	100.00	106.44
		Total	193 858 800	100.00		HHI 8 150

Oil Shales

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Estonia	13 362 000	59.97	59.97	3 596.55
2	(2)	Jordan	8 450 000	37.93	97.90	1 438.32
3	(3)	Germany	429 483	1.93	99.82	3.72
4	(5)	Bulgaria	37 000	0.17	99.99	0.03
5	(6)	France	2 000	0.01	100.00	0.00
6	(7)	Austria	200	0.00	100.00	0.00
Total			22 280 683	100.00		HHI 5 039

Uranium (U₃O₈)

Rank 2023	Rank 2022	Country	Production 2023 metr. t	Share in %	Share cum. %	Share HHI
1	(1)	Kazakhstan	24 895	36.97	36.97	1 366.51
2	(2)	Canada	16 372	24.31	61.28	591.01
3	(3)	Namibia	8 238	12.23	73.51	149.63
4	(4)	Australia	5 512	8.18	81.69	66.99
5	(5)	Uzbekistan	4 304	6.39	88.09	40.84
6	(6)	Russia	3 196	4.75	92.83	22.52
7	(8)	China	2 005	2.98	95.81	8.86
8	(7)	Niger	1 332	1.98	97.79	3.91
9	(9)	India	708	1.05	98.84	1.11
10	(11)	Ukraine	310	0.46	99.30	0.21
11	(10)	South Africa	275	0.41	99.71	0.17
12	(14)	Brazil	107	0.16	99.86	0.03
13	(13)	Pakistan	53	0.08	99.94	0.01
14	(12)	United States	23	0.03	99.98	0.00
15	(15)	Czechia	15	0.02	100.00	0.00
Total			67 345	100.00		HHI 2 252

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

Afghanistan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	2 000	2 000	5 300	19 100	10 100	405.00	-47.12
Fluorspar	(t)	50 000	10 000	10 000	27 600	37 256	-25.49	34.99
Gypsum	(t)	24 682	21 779	16 349	10 991	192 137	678.45	1 648.13
Salt	(t)	41 157	12 015	10 700	41 573	79 316	92.72	90.79
Talc	(t)	345 052	95 923	441 372	382 211	215 252	-37.62	-43.68
Steam Coal	(t)	1 604 700	56 620	340 800	517 000	1 238 000	-22.85	139.46
Nat. Gas	(Mio m³)	146	59	153	185	198	35.62	7.03
Total	(t)	2 184 391	245 537	946 921	1 146 475	1 930 461		

Albania

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	357 200	212 650	242 200	402 100	387 200	8.40	-3.71
Nickel	(t)	2 960	3 760	4 090	1 570	570	-80.74	-63.69
Copper	(t)	5 900	3 070	4 430	3 470	4 720	-20.00	36.02
Gypsum	(t)	106 070	111 880	116 295	78 239	95 262	-10.19	21.76
Salt	(t)	30 000	30 000	30 000	30 000	20 000	-33.33	-33.33
Steam Coal	(t)	95 380	151 231	242 425	182 080	191 406	100.68	5.12
Nat. Gas	(Mio m³)	71	57	57	51	49	-30.99	-3.92
Petroleum	(t)	1 005 090	712 427	757 393	657 402	641 581	-36.17	-2.41
Total	(t)	1 659 400	1 270 618	1 442 433	1 395 661	1 379 939		

Algeria

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	1 068 600	1 016 200	942 000	882 500	931 900	-12.79	5.60
Zinc	(t)	500	1 000	500	900	240	-52.00	-73.33
Gold	(kg)	70	58	71	138	147	110.00	6.52
Silver	(kg)	30	20	12	20	20	-33.33	0.00
Baryte	(t)	31 138	32 940	44 662	49 184	49 200	58.01	0.03
Bentonite	(t)	36 700	34 200	31 700	33 700	34 000	-7.36	0.89
Diatomite	(t)	2 437	3 040	3 066	3 015	3 000	23.10	-0.50

Abbreviations: see Definitions

Feldspar	(t)	170 000	170 000	170 000	170 000	170 000	0.00	0.00
Gypsum	(t)	2 200 000	2 200 000	2 500 000	2 500 000	2 500 000	13.64	0.00
Kaolin	(t)	100 000	100 000	120 000	120 000	120 000	20.00	0.00
Phosphates	(t)	455 100	409 900	616 000	613 600	632 000	38.87	3.00
Salt	(t)	100 800	95 100	107 800	103 200	112 700	11.81	9.21
Sulfur	(t)	6 000	6 000	6 000	6 000	6 000	0.00	0.00
Nat. Gas	(Mio m ³)	89 983	84 597	105 037	101 436	105 482	17.22	3.99
Petroleum	(t)	64 330 000	57 535 000	58 200 000	62 066 000	63 006 000	-2.06	1.51
Total	(t)	140 487 675	129 280 980	146 771 328	147 696 899	151 950 640		

Angola

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)		0	96 280	5 880	27 600	.	369.39
Manganese	(t)		0	20 700	32 400	2 300	.	-92.90
Gold	(kg)	23	59	32	79	41	78.26	-48.10
Diam. (Gem)	(ct)	8 209 365	7 118 240	7 597 280	7 606 550	8 615 980	4.95	13.27
Diam. (Ind)	(ct)	912 150	790 920	1 124 200	1 156 760	1 138 330	24.80	-1.59
Gypsum	(t)	119 260	165 290	79 680	266 570	270 000	126.40	1.29
Salt	(t)	109 445	164 433	201 699	213 800	252 000	130.25	17.87
Nat. Gas	(Mio m ³)	6 800	7 450	5 930	5 920	6 000	-11.76	1.35
Petroleum	(t)	68 858 490	63 474 320	55 982 210	56 592 280	54 745 260	-20.50	-3.26
Total	(t)	74 527 197	69 764 044	61 124 571	61 846 932	60 097 162		

Argentina

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	438 434	309 804	338 239	400 038	440 933	0.57	10.22
Cadmium	(t)	80	46	0	0	0	-100.00	.
Lead	(t)	29 768	13 600	17 098	18 599	29 780	0.04	60.12
Lithium	(t)	13 670	12 620	12 870	14 210	18 610	36.14	30.96
Mercury	(t)	50	0	0	0	0	-100.00	.
Zinc	(t)	14 876	8 300	6 188	3 893	9 580	-35.60	146.08
Gold	(kg)	53 125	34 936	37 280	41 370	38 510	-27.51	-6.91
Silver	(kg)	1 070 670	767 087	843 230	882 140	810 190	-24.33	-8.16
Baryte	(t)	3 898	0	0	0	0	-100.00	.
Bentonite	(t)	120 000	98 000	133 235	145 611	174 190	45.16	19.63
Boron	(t)	181 818	134 604	188 868	164 124	170 000	-6.50	3.58
Diatomite	(t)	94 610	98 575	156 426	183 533	157 680	66.66	-14.09
Feldspar	(t)	10 000	32 000	40 000	40 000	40 000	300.00	0.00
Fluorspar	(t)	1 500	48 000	10 000	10 000	2 000	33.33	-80.00
Gypsum	(t)	761 013	499 092	690 000	737 000	376 680	-50.50	-48.89
Kaolin	(t)	11 853	20 628	25 000	26 000	22 786	92.24	-12.36
Perlite	(t)	21 236	13 176	18 016	32 450	32 000	50.69	-1.39
Salt	(t)	1 566 600	1 051 445	1 389 375	600 000	1 080 650	-31.02	80.11
Talc	(t)	10 000	2 304	1 800	2 400	2 242	-77.58	-6.58

Abbreviations: see Definitions

Steam Coal	(t)	154 782	24 800	25 300	25 300	85 000	-45.08	235.97
Nat. Gas	(Mio m³)	43 220	39 570	40 940	42 420	44 640	3.29	5.23
Petroleum	(t)	25 327 500	24 000 100	25 568 200	29 008 700	31 630 100	24.88	9.04
Total	(t)	63 338 812	58 023 896	61 373 495	65 348 781	69 985 080		

Armenia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Molybdenum	(t)	7 137	11 909	10 611	10 991	11 116	55.75	1.14
Copper	(t)	91 214	83 291	79 970	71 466	67 705	-25.77	-5.26
Rhenium	(kg)	310	260	170	140	140	-54.84	0.00
Zinc	(t)	7 162	8 684	7 706	7 148	6 198	-13.46	-13.29
Gold	(kg)	5 825	5 284	3 714	4 230	930	-84.03	-78.01
Silver	(kg)	17 922	19 493	19 480	18 920	15 286	-14.71	-19.21
Gypsum	(t)	45 890	29 650	16 540	65 940	7 580	-83.48	-88.50
Perlite	(t)	80 676	104 410	168 242	60 280	12 325	-84.72	-79.55
Salt	(t)	56 685	24 401	25 948	52 829	44 285	-21.88	-16.17
Sulfur	(t)	10 500	11 500	14 100	14 000	14 400	37.14	2.86
Total	(t)	299 288	273 869	323 140	282 677	163 625		

Australia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	567 345 032	567 788 649	570 160 503	584 413 159	589 029 943	3.82	0.79
Cobalt	(t)	5 746	5 631	5 232	5 794	5 217	-9.21	-9.96
Manganese	(t)	3 259 200	3 357 500	3 277 460	3 044 900	2 920 850	-10.38	-4.07
Molybdenum	(t)			0	277	1 110	.	300.72
Nickel	(t)	158 751	169 344	150 876	155 007	149 090	-6.09	-3.82
Tantalum	(t)	80	50	70	60	50	-37.50	-16.67
Titanium	(t)	780 465	830 800	624 100	545 000	536 500	-31.26	-1.56
Tungsten	(t)	30	100	160	180	420	1 300.00	133.33
Aluminium	(t)	1 569 591	1 582 947	1 558 529	1 509 646	1 555 474	-0.90	3.04
Antimony	(t)	2 032	3 903	3 380	2 292	1 860	-8.46	-18.85
Bauxite	(t)	107 422 912	103 626 811	103 266 404	100 478 354	99 058 376	-7.79	-1.41
Cadmium	(t)	204	378	402	328	900	341.18	174.39
Copper	(t)	925 157	868 019	801 052	826 271	778 303	-15.87	-5.81
Lead	(t)	500 985	494 271	485 487	437 825	472 242	-5.74	7.86
Lithium	(t)	105 700	89 300	113 600	150 300	204 200	93.19	35.86
Rare Earths	(t)	17 660	19 440	21 970	17 660	20 280	14.84	14.84
Tin	(t)	7 738	8 118	8 772	9 001	9 852	27.32	9.45
Zinc	(t)	1 337 321	1 314 910	1 318 696	1 237 373	1 098 290	-17.87	-11.24
Gold	(kg)	325 572	327 952	307 577	302 787	296 053	-9.07	-2.22
Palladium	(kg)	390	420	380	390	410	5.13	5.13
Platinum	(kg)	95	100	90	100	100	5.26	0.00
Silver	(kg)	1 325 089	1 337 344	1 329 718	1 169 252	1 032 993	-22.04	-11.65

Abbreviations: see Definitions

Baryte	(t)	1 982	0	1 127	3 922	3 754	89.40	-4.28
Bentonite	(t)	56 000	42 713	46 658	26 332	47 551	-15.09	80.58
Diam. (Gem)	(ct)	243 090	199 600	0	0	0	-100.00	.
Diam. (Ind)	(ct)	11 911 450	9 780 400	0	0	0	-100.00	.
Diatomite	(t)	8	2 011	25 935	4 005	262	3 175.00	-93.46
Feldspar	(t)	50	1 241	52	945	54	8.00	-94.29
Gypsum	(t)	4 000 217	3 428 633	4 193 215	4 830 208	4 917 390	22.93	1.80
Kaolin	(t)	114 050	154 812	173 187	170 181	115 890	1.61	-31.90
Magnesite	(t)	413 182	799 203	893 623	460 408	432 319	4.63	-6.10
Perlite	(t)	1 264	2 185	3 821	2 638	2 669	111.16	1.18
Phosphates	(t)	165 750	215 700	170	361 180	520 390	213.96	44.08
Potash	(t)			0	2 418	5 503	.	127.58
Salt	(t)	12 173 391	12 212 483	12 574 025	12 246 020	12 176 705	0.03	-0.57
Sulfur	(t)	900 000	900 000	900 000	900 000	900 000	0.00	0.00
Talc	(t)	140 000	110 000	90 000	111 000	129 000	-7.86	16.22
Zircon	(t)	468 900	380 000	569 000	470 000	462 000	-1.47	-1.70
Steam Coal	(t)	271 388 000	267 504 000	247 481 000	248 573 000	233 043 000	-14.13	-6.25
Coking Coal	(t)	189 066 000	183 764 000	171 122 000	168 589 000	166 738 000	-11.81	-1.10
Lignite	(t)	43 315 000	41 513 000	41 622 000	40 296 000	38 891 000	-10.21	-3.49
Nat. Gas (Mio m³)		154 485	154 107	156 463	163 112	160 873	4.14	-1.37
Petroleum	(t)	22 464 160	22 381 790	21 782 900	20 228 210	18 437 420	-17.93	-8.85
Uranium	(t)	7 726	7 273	4 474	5 377	5 512	-28.66	2.51
Total	(t)	1 351 703 937	1 336 866 482	1 308 451 918	1 320 605 343	1 301 371 105		

Austria

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	1 037 470	973 840	1 059 550	1 035 770	1 024 210	-1.28	-1.12
Tungsten	(t)	892	896	919	910	819	-8.18	-10.00
Feldspar	(t)	35 000	35 000	35 000	35 000	35 000	0.00	0.00
Graphite	(t)	100	100	200	300	300	200.00	0.00
Gypsum	(t)	900 217	901 619	900 374	876 075	702 581	-21.95	-19.80
Kaolin	(t)	13 500	13 500	13 500	13 500	13 500	0.00	0.00
Magnesite	(t)	691 909	816 370	842 679	707 267	669 400	-3.25	-5.35
Salt	(t)	1 212 158	1 014 554	1 117 586	977 676	1 146 551	-5.41	17.27
Sulfur	(t)	6 768	6 564	4 755	4 672	4 400	-34.99	-5.82
Talc	(t)	124 184	123 000	157 493	157 047	138 621	11.63	-11.73
Nat. Gas (Mio m³)		891	743	654	607	545	-38.83	-10.21
Oil Shales	(t)	100	100	100	100	200	100.00	100.00
Petroleum	(t)	642 953	609 254	571 428	532 339	478 093	-25.64	-10.19
Total	(t)	5 378 051	5 089 197	5 226 784	4 826 256	4 649 675		

Azerbaijan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	32 700	28 560	24 900	33 500	36 800	12.54	9.85
Copper	(t)	2 213	2 591	2 649	2 516	2 138	-3.39	-15.02
Gold	(kg)	3 897	3 635	3 427	3 271	2 659	-31.77	-18.71
Silver	(kg)	8 160	7 590	8 988	12 600	5 211	-36.14	-58.64

Abbreviations: see Definitions

Bentonite	(t)	222 519	155 112	174 242	175 875	127 010	-42.92	-27.78
Gypsum	(t)	314 224	297 594	417 892	369 908	599 141	90.67	61.97
Salt	(t)	77 116	76 401	71 495	77 455	73 267	-4.99	-5.41
Nat. Gas	(Mio m³)	24 514	26 487	32 578	34 956	36 414	48.54	4.17
Petroleum	(t)	37 501 200	34 531 900	34 580 300	32 646 400	30 147 400	-19.61	-7.65
Total	(t)	57 761 184	56 281 770	61 333 890	61 270 470	60 116 964		

Bahamas

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Salt	(t)	663 850	720 030	425 710	633 380	712 420	7.32	12.48
Total	(t)	663 850	720 030	425 710	633 380	712 420		

Bahrain

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	1 365 005	1 548 500	1 561 222	1 600 111	1 620 665	18.73	1.28
Sulfur	(t)	139 655	124 490	129 350	128 780	133 100	-4.69	3.35
Nat. Gas	(Mio m³)	17 120	17 230	17 500	16 600	16 580	-3.15	-0.12
Petroleum	(t)	9 668 850	9 694 300	9 608 310	9 436 020	9 134 850	-5.52	-3.19
Total	(t)	24 869 510	25 151 290	25 298 882	24 444 911	24 152 615		

Bangladesh

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Salt	(t)	1 824 000	1 570 000	1 651 000	1 832 000	2 232 000	22.37	21.83
Steam Coal	(t)	805 696	811 138	753 973	488 676	767 307	-4.76	57.02
Nat. Gas	(Mio m³)	27 230	24 990	25 170	23 780	22 650	-16.82	-4.75
Petroleum	(t)	565 140	522 570	463 590	349 560	313 310	-44.56	-10.37
Total	(t)	24 978 836	22 895 708	23 004 563	21 694 236	21 432 617		

Barbados

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nat. Gas	(Mio m³)	14	11	11	9	9	-35.71	0.00
Petroleum	(t)	28 560	23 590	20 770	19 130	19 000	-33.47	-0.68
Total	(t)	39 760	32 390	29 570	26 330	26 200		

Abbreviations: see Definitions

Belarus

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Potash	(t)	7 348 293	7 562 153	7 750 000	3 570 000	6 380 000	-13.18	78.71
Salt	(t)	2 517 590	1 198 290	2 265 000	2 000 000	2 300 000	-8.64	15.00
Nat. Gas	(Mio m ³)	218	219	229	220	210	-3.67	-4.55
Petroleum	(t)	1 690 000	1 710 000	1 737 000	1 594 000	1 495 000	-11.54	-6.21
Total	(t)	11 730 283	10 645 643	11 935 200	7 340 000	10 343 000		

Belgium

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Arsenic	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Indium	(t)	20	20	20	19	19	-5.00	0.00
Selenium	(t)	200	200	200	200	200	0.00	0.00
Total	(t)	1 220	1 220	1 220	1 219	1 219		

Benin

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	5	5	5	5	5	0.00	0.00
Salt	(t)	500	500	500	500	500	0.00	0.00
Total	(t)	500	500	500	500	500		

Bhutan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	23 590	9 430	16 590	2 230	650	-97.24	-70.85
Gypsum	(t)	490 596	331 050	403 753	400 183	1 100 000	124.22	174.87
Talc	(t)	1 375	972	678	740	400	-70.91	-45.95
Steam Coal	(t)	184 785	72 838	111 545	158 603	113 950	-38.33	-28.15
Total	(t)	700 346	414 290	532 566	561 756	1 215 000		

Abbreviations: see Definitions

Bolivia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	45 830	15 410	17 010	215 940	129 550	182.68	-40.01
Manganese	(t)	3 660	4 710	5 100	420	560	-84.70	33.33
Tantalum	(t)	10	8	1	3	1	-90.00	-66.67
Tungsten	(t)	1 064	1 347	1 563	1 358	1 505	41.45	10.82
Antimony	(t)	2 747	2 629	3 084	3 453	3 884	41.39	12.48
Arsenic	(t)	126	50	100	35	0	-100.00	-100.00
Bismuth	(t)	0	55	27	3	58	.	1 833.33
Copper	(t)	4 478	2 822	3 310	3 608	3 881	-13.33	7.57
Lead	(t)	88 002	64 619	92 767	89 761	102 927	16.96	14.67
Lithium	(t)	160	80	410	250	380	137.50	52.00
Tin	(t)	17 147	14 709	19 628	17 613	18 693	9.02	6.13
Zinc	(t)	527 521	358 411	499 257	517 523	491 768	-6.78	-4.98
Gold	(kg)	42 000	23 207	45 662	53 374	46 615	10.99	-12.66
Silver	(kg)	1 153 109	929 909	1 289 456	1 214 301	1 350 216	17.09	11.19
Baryte	(t)	39 458	9 611	26 780	48 952	54 509	38.14	11.35
Bentonite	(t)	0	0	0	5 057	5 100	.	0.85
Boron	(t)	214 269	258 143	312 906	295 515	327 253	52.73	10.74
Gypsum	(t)	3 905	1 000	1 000	168 922	89 000	2 179.13	-47.31
Potash	(t)	17 800	4 400	32 600	42 600	53 700	201.69	26.06
Salt	(t)	4 494	14 949	21 777	15 042	21 900	387.32	45.59
Nat. Gas	(Mio m³)	17 046	16 384	16 967	15 517	13 471	-20.97	-13.19
Petroleum	(t)	2 244 260	2 065 070	2 032 870	1 815 610	1 551 680	-30.86	-14.54
Total	(t)	16 852 926	15 926 176	16 645 125	15 656 532	13 634 546		

Bosnia-Herzegovina

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	739 600	727 980	792 500	665 650	640 980	-13.33	-3.71
Aluminium	(t)	67 690	0	90 037	138 969	64 465	-4.76	-53.61
Bauxite	(t)	1 043 343	619 748	675 269	669 926	548 160	-47.46	-18.18
Lead	(t)	7 470	6 110	6 310	6 730	6 670	-10.71	-0.89
Zinc	(t)	9 160	6 610	7 310	7 690	8 050	-12.12	4.68
Bentonite	(t)	94 601	69 183	75 761	28 173	37 878	-59.96	34.45
Gypsum	(t)	130 788	140 994	297 225	135 408	104 125	-20.39	-23.10
Kaolin	(t)	118 005	108 174	62 599	24 529	21 541	-81.75	-12.18
Magnesite	(t)	1 400	652	196	0	0	-100.00	.
Salt	(t)	1 069 210	947 838	966 358	1 109 253	1 165 909	9.04	5.11
Lignite	(t)	13 376 548	13 365 730	12 802 517	13 736 665	12 791 560	-4.37	-6.88
Total	(t)	16 657 815	15 993 019	15 776 082	16 522 993	15 389 338		

Abbreviations: see Definitions

Botswana

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Copper	(t)	0	0	11 742	44 269	72 411	.	63.57
Gold	(kg)	943	851	649	427	331	-64.90	-22.48
Silver	(kg)		0	10 383	31 174	55 396	.	77.70
Diam. (Gem)	(ct)	16 580 900	11 807 600	15 887 200	17 135 300	18 319 200	10.48	6.91
Diam. (Ind)	(ct)	7 106 100	5 060 400	6 808 800	7 343 700	6 775 600	-4.65	-7.74
Salt	(t)	383 779	418 379	499 527	323 303	387 956	1.09	20.00
Steam Coal	(t)	2 110 891	1 923 992	2 021 218	2 460 868	2 064 373	-2.20	-16.11
Total	(t)	2 494 675	2 342 375	2 532 502	2 828 476	2 524 800		

Brazil

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	255 339 422	245 889 636	268 066 382	256 927 734	273 992 879	7.31	6.64
Chromium	(t)	199 256	226 762	248 108	218 626	193 532	-2.87	-11.48
Cobalt	(t)	0	27	43	9	165	.	1 733.33
Manganese	(t)	1 452 034	932 721	598 424	559 504	849 783	-41.48	51.88
Nickel	(t)	55 761	68 097	75 988	79 370	72 398	29.84	-8.78
Niobium	(t)	126 641	85 572	112 755	109 287	109 520	-13.52	0.21
Tantalum	(t)	340	300	350	350	380	11.76	8.57
Titanium	(t)	81 650	61 940	75 100	53 000	79 220	-2.98	49.47
Tungsten	(t)	306	262	301	302	284	-7.19	-5.96
Vanadium	(t)	7 045	7 582	7 212	7 249	6 508	-7.62	-10.22
Aluminium	(t)	650 200	685 100	771 700	810 900	1 021 700	57.14	26.00
Bauxite	(t)	31 937 900	32 897 800	33 364 875	31 608 694	32 032 491	0.30	1.34
Beryllium	(t)	9	10	10	10	10	11.11	0.00
Cadmium	(t)	450	100	50	20	100	-77.78	400.00
Copper	(t)	363 268	353 258	335 923	297 653	376 338	3.60	26.44
Lead	(t)	5 715	5 351	6 307	8 304	16 237	184.11	95.53
Lithium	(t)	2 575	4 065	5 670	7 863	15 193	490.02	93.22
Rare Earths	(t)	380	450	580	1 580	1 280	236.84	-18.99
Tin	(t)	14 867	16 634	15 410	19 176	25 121	68.97	31.00
Zinc	(t)	163 403	174 332	159 913	155 177	194 030	18.74	25.04
Gold	(kg)	89 988	98 922	93 817	94 632	86 900	-3.43	-8.17
Silver	(kg)	50 000	68 430	71 540	74 650	102 640	105.28	37.49
Asbestos	(t)	12 205	77 057	172 256	182 965	189 340	1 451.33	3.48
Baryte	(t)	9 223	1 849	361	4 931	1 795	-80.54	-63.60
Bentonite	(t)	403 763	217 055	220 000	220 000	200 000	-50.47	-9.09
Diam. (Gem)	(ct)	53 240	41 320	46 670	45 490	25 310	-52.46	-44.36
Diam. (Ind)	(ct)	108 085	83 890	94 760	92 350	51 390	-52.45	-44.35
Diatomite	(t)	17 673	35 574	10 665	35 844	16 546	-6.38	-53.84
Feldspar	(t)	632 349	450 573	491 042	756 364	621 075	-1.78	-17.89
Fluorspar	(t)	24 399	24 730	28 158	28 969	28 365	16.25	-2.08
Graphite	(t)	81 770	67 020	78 555	72 780	56 053	-31.45	-22.98
Gypsum	(t)	2 842 654	2 851 643	3 260 209	5 159 687	5 754 563	102.44	11.53
Kaolin	(t)	1 471 610	1 239 591	1 153 884	1 189 531	828 394	-43.71	-30.36
Magnesite	(t)	1 530 000	1 550 000	1 800 000	1 700 000	1 413 000	-7.65	-16.88
Phosphates	(t)	1 828 500	1 827 900	1 793 000	1 869 300	1 776 800	-2.83	-4.95

Abbreviations: see Definitions

Potash	(t)	248 911	254 837	213 028	299 636	363 275	45.95	21.24
Salt	(t)	6 700 500	6 464 300	6 534 300	7 000 000	7 000 000	4.47	0.00
Sulfur	(t)	460 000	450 000	435 000	519 600	490 000	6.52	-5.70
Talc	(t)	650 000	650 000	660 000	700 000	600 000	-7.69	-14.29
Vermiculite	(t)	47 581	58 821	70 500	70 913	52 638	10.63	-25.77
Zircon	(t)	17 136	10 994	6 482	6 513	8 397	-51.00	28.93
Steam Coal	(t)	3 812 975	3 171 509	4 768 003	3 473 384	3 163 068	-17.04	-8.93
Lignite	(t)	1 596 696	2 309 404	1 896 525	2 648 783	3 322 196	108.07	25.42
Nat. Gas (Mio m³)		27 358	25 384	25 382	24 098	24 502	-10.44	1.68
Petroleum	(t)	143 933 400	151 759 400	149 154 800	154 993 700	173 333 000	20.43	11.83
Uranium	(t)	0	20	34	51	107	.	109.80
Total	(t)	478 609 107	475 189 643	496 897 669	491 076 329	527 807 571		

Brunei

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nat. Gas (Mio m³)		12 504	12 065	11 178	10 266	10 255	-17.99	-0.11
Petroleum	(t)	6 040 240	5 479 350	5 308 680	4 577 160	4 451 180	-26.31	-2.75
Total	(t)	16 043 440	15 131 350	14 251 080	12 789 960	12 655 180		

Bulgaria

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)		0	6 700	9 100	3 000	.	-67.03
Cadmium	(t)	315	311	343	315	306	-2.86	-2.86
Copper	(t)	114 240	107 610	104 020	121 120	121 130	6.03	0.01
Lead	(t)	23 350	20 680	21 420	23 110	20 690	-11.39	-10.47
Tellurium	(t)	3	4	3	3	1	-66.67	-66.67
Zinc	(t)	19 170	17 520	17 910	19 330	17 830	-6.99	-7.76
Gold	(kg)	7 467	9 349	9 695	8 529	9 276	24.23	8.76
Silver	(kg)	40 755	39 126	38 661	26 437	22 800	-44.06	-13.76
Baryte	(t)	72 000	41 000	72 000	75 000	60 000	-16.67	-20.00
Bentonite	(t)	45 000	40 900	72 100	72 000	61 000	35.56	-15.28
Gypsum	(t)	88 000	54 800	77 400	77 000	30 400	-65.45	-60.52
Kaolin	(t)	330 000	276 000	380 000	236 000	210 000	-36.36	-11.02
Perlite	(t)	5 300	5 200	5 000	5 000	5 000	-5.66	0.00
Salt	(t)	3 400 000	2 700 000	3 300 000	3 300 000	2 700 000	-20.59	-18.18
Sulfur	(t)	423 600	497 000	434 500	515 500	431 700	1.91	-16.26
Vermiculite	(t)	10 500	10 000	10 000	10 000	10 000	-4.76	0.00
Lignite	(t)	29 462 615	22 519 300	28 410 900	35 513 000	21 114 000	-28.34	-40.55
Nat. Gas (Mio m³)		35	55	31	17	9	-74.29	-47.06
Oil Shales	(t)	39 000	44 000	56 000	61 000	37 000	-5.13	-39.34
Petroleum	(t)	20 000	20 500	20 086	19 480	20 938	4.69	7.48
Total	(t)	34 081 141	26 398 873	33 013 231	40 070 593	24 850 227		

Abbreviations: see Definitions

Burkina Faso

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Zinc	(t)	106 680	78 990	84 170	22 880	0	-100.00	-100.00
Gold	(kg)	50 559	62 405	67 126	58 159	57 338	13.41	-1.41
Silver	(kg)	5 670	10 012	8 897	7 326	7 891	39.17	7.71
Total	(t)	106 737	79 062	84 246	22 945	65		

Burundi

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Niobium	(t)	5	4	10	3	1	-80.00	-66.67
Tantalum	(t)	8	6	15	5	2	-75.00	-60.00
Tungsten	(t)	150	166	120	95	69	-54.00	-27.37
Lithium	(t)				0	13	.	.
Rare Earths	(t)	195	296	134	0	0	-100.00	.
Tin	(t)	143	121	100	80	70	-51.05	-12.50
Gold	(kg)	573	863	893	914	1 054	83.94	15.32
Total	(t)	502	594	380	184	156		

Cambodia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)		0	1 466	3 320	3 524	.	6.14
Salt	(t)	18 430	83 969	68 682	35 000	81 154	340.34	131.87
Total	(t)	18 430	83 969	68 683	35 003	81 158		

Cameroon

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	68 950	61 650	47 300	62 770	62 180	-9.82	-0.94
Gold	(kg)	341	233	440	860	431	26.39	-49.88
Diam. (Ind)	(ct)	1 737	2 438	2 668	2 431	2 950	69.83	21.35
Nat. Gas	(Mio m³)	2 010	2 130	2 090	2 190	2 280	13.43	4.11
Petroleum	(t)	3 545 900	3 622 200	3 493 100	3 403 200	3 257 200	-8.14	-4.29
Total	(t)	5 222 850	5 387 850	5 212 400	5 217 971	5 143 380		

Abbreviations: see Definitions

Canada

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	34 457 800	37 102 800	34 982 200	39 169 500	39 751 000	15.36	1.48
Cobalt	(t)	5 039	4 069	3 953	3 534	3 260	-35.30	-7.75
Molybdenum	(t)	4 385	3 979	1 871	1 146	1 171	-73.30	2.18
Nickel	(t)	176 021	168 214	159 145	122 115	127 237	-27.71	4.19
Niobium	(t)	6 800	6 400	7 650	6 800	6 700	-1.47	-1.47
Titanium	(t)	550 000	480 000	440 000	540 000	470 000	-14.55	-12.96
Aluminium	(t)	2 853 771	3 118 710	3 136 704	3 033 966	3 274 901	14.76	7.94
Antimony	(t)	2	2	2	2	0	-100.00	-100.00
Bismuth	(t)	4	4	0	0	0	-100.00	.
Cadmium	(t)	1 803	1 800	1 800	1 800	1 800	-0.17	0.00
Copper	(t)	557 242	581 713	509 350	509 059	484 552	-13.04	-4.81
Indium	(t)	61	61	44	39	40	-34.43	2.56
Lead	(t)	22 608	3 770	8 280	4 436	2 000	-91.15	-54.91
Lithium	(t)	1 200	0	2 150	6 690	5 436	353.00	-18.74
Selenium	(t)	102	102	57	110	130	27.45	18.18
Tellurium	(t)	13	23	25	24	27	107.69	12.50
Zinc	(t)	269 353	246 995	229 671	180 256	109 507	-59.34	-39.25
Gold	(kg)	191 716	177 756	196 491	189 393	191 035	-0.36	0.87
Palladium	(kg)	21 928	10 897	15 433	14 591	17 267	-21.26	18.34
Platinum	(kg)	9 633	4 860	4 255	4 469	6 120	-36.47	36.94
Rhodium	(kg)	750	400	450	500	334	-55.47	-33.20
Silver	(kg)	399 359	313 516	301 109	290 946	240 523	-39.77	-17.33
Baryte	(t)	40 000	40 000	50 000	50 000	50 000	25.00	0.00
Diam. (Gem)	(ct)	18 573 661	14 208 812	16 994 679	16 217 233	15 674 351	-15.61	-3.35
Fluorspar	(t)	80 000	50 000	50 000	20 000	0	-100.00	-100.00
Graphite	(t)	4 332	16 239	9 290	13 000	4 261	-1.64	-67.22
Gypsum	(t)	2 445 062	3 062 710	2 908 792	3 306 341	3 479 599	42.31	5.24
Magnesite	(t)	150 000	160 000	180 000	230 000	230 000	53.33	0.00
Potash	(t)	12 820 345	13 732 918	14 275 819	14 393 181	14 043 046	9.54	-2.43
Salt	(t)	11 911 268	13 518 704	11 002 261	15 155 260	11 720 185	-1.60	-22.67
Sulfur	(t)	4 808 913	4 904 051	4 879 000	4 898 600	4 981 400	3.59	1.69
Talc	(t)	243 000	153 293	153 000	200 000	200 000	-17.70	0.00
Steam Coal	(t)	15 078 380	13 291 550	12 358 380	12 638 080	9 249 320	-38.66	-26.81
Coking Coal	(t)	29 952 270	25 315 420	26 937 110	27 409 100	30 897 530	3.16	12.73
Lignite	(t)	8 134 855	7 538 920	8 314 510	6 657 920	6 658 000	-18.15	0.00
Nat. Gas (Mio m³)		170 747	166 936	173 423	186 121	191 252	12.01	2.76
Oil Sands*	(t)	158 766 200	153 043 300	167 104 200	170 263 400	173 858 800	9.51	2.11
Petroleum	(t)	265 045 900	253 195 200	266 190 400	271 233 300	277 851 300	4.83	2.44
Uranium	(t)	8 230	4 260	5 622	8 688	16 372	98.93	88.44
Total	(t)	526 226 987	510 251 218	525 536 005	548 690 251	556 620 832		

*Oil Sands as part of Petroleum

Cape Verde

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Salt	(t)	1 000	2 585	2 621	2 600	2 600	160.00	0.00
Total	(t)	1 000	2 585	2 621	2 600	2 600		

Abbreviations: see Definitions

Central African Republic

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	359	401	840	1 507	1 549	331.48	2.79
Diam. (Gem)	(ct)	22 040	49 470	74 220	90 900	85 060	285.93	-6.42
Diam. (Ind)	(ct)	5 510	12 370	18 550	27 150	26 860	387.48	-1.07
Total	(t)	0	0	1	2	2		

Chad

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Petroleum	(t)	6 316 700	6 303 000	5 799 300	6 160 600	6 664 600	5.51	8.18
Total	(t)	6 316 700	6 303 000	5 799 300	6 160 600	6 664 600		

Chile

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	8 427 224	9 890 886	11 163 294	11 059 801	11 443 370	35.79	3.47
Molybdenum	(t)	54 759	59 381	49 427	45 627	44 118	-19.43	-3.31
Copper	(t)	5 787 400	5 733 100	5 624 900	5 330 400	5 250 400	-9.28	-1.50
Lead	(t)	7	1 386	382	457	325	4 542.86	-28.88
Lithium	(t)	44 940	49 730	65 060	110 350	113 200	151.89	2.58
Rhenium	(kg)	24 003	14 549	18 831	32 303	50 754	111.45	57.12
Selenium	(t)	98	118	83	102	103	5.10	0.98
Zinc	(t)	5 620	28 662	27 915	24 092	22 059	292.51	-8.44
Gold	(kg)	38 455	33 895	34 248	30 966	35 790	-6.93	15.58
Silver	(kg)	1 309 321	1 575 794	1 383 041	1 274 363	1 262 287	-3.59	-0.95
Bentonite	(t)	395	170	170	1 372	463	17.22	-66.25
Boron	(t)	352 255	288 103	363 032	421 935	450 239	27.82	6.71
Diatomite	(t)	21 328	21 477	27 096	24 279	17 319	-18.80	-28.67
Feldspar	(t)	55	329	0	0	28	-49.09	.
Gypsum	(t)	977 397	910 310	1 007 206	978 846	832 770	-14.80	-14.92
Kaolin	(t)	34 801	38 789	49 533	44 232	51 300	47.41	15.98
Perlite	(t)	4 700	0	0	0	1 997	-57.51	.
Phosphates	(t)	950	590	620	940	2 740	188.42	191.49
Potash	(t)	683 540	966 680	891 450	676 350	743 930	8.83	9.99
Salt	(t)	10 476 823	9 574 159	8 565 307	10 501 352	10 721 181	2.33	2.09
Sulfur	(t)	1 518 700	1 735 100	1 662 200	1 591 200	1 594 200	4.97	0.19
Steam Coal	(t)	1 606 554	191 562	18 541	26 962	121 570	-92.43	350.89
Nat. Gas	(Mio m³)	1 339	1 316	1 275	1 355	1 380	3.06	1.85
Petroleum	(t)	161 520	102 640	109 980	128 510	121 790	-24.60	-5.23
Total	(t)	31 231 637	30 647 597	30 647 632	32 052 144	32 638 451		

Abbreviations: see Definitions

China

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	165 356 800	173 763 500	163 840 000	180 480 000	190 937 600	15.47	5.79
Chromium	(t)	27 250	54 440	67 620	65 050	54 220	98.97	-16.65
Cobalt	(t)	3 000	2 200	2 000	1 750	2 300	-23.33	31.43
Manganese	(t)	1 350 000	1 218 000	900 000	819 000	852 000	-36.89	4.03
Molybdenum	(t)	104 670	95 970	102 600	107 550	121 500	16.08	12.97
Nickel	(t)	104 674	105 048	104 600	109 400	110 400	5.47	0.91
Niobium	(t)	20	30	30	40	43	115.00	7.50
Tantalum	(t)	135	180	180	92	96	-28.89	4.35
Titanium	(t)	2 306 900	2 911 800	2 856 650	3 144 000	3 247 000	40.75	3.28
Tungsten	(t)	74 950	71 450	68 660	65 620	65 980	-11.97	0.55
Vanadium	(t)	64 700	69 960	74 100	78 100	81 600	26.12	4.48
Aluminium	(t)	35 361 600	37 080 400	38 503 200	40 144 300	41 979 700	18.72	4.57
Antimony	(t)	68 422	60 995	41 480	39 000	41 000	-40.08	5.13
Arsenic	(t)	24 000	24 000	25 000	25 000	24 000	0.00	-4.00
Bauxite	(t)	73 323 700	70 000 000	68 400 000	74 300 000	65 516 300	-10.65	-11.82
Beryllium	(t)	1 750	1 750	1 750	1 850	1 925	10.00	4.05
Bismuth	(t)	7 000	7 500	8 000	7 500	8 000	14.29	6.67
Cadmium	(t)	10 000	10 000	10 000	8 700	9 000	-10.00	3.45
Copper	(t)	1 683 450	1 942 000	1 964 400	1 925 600	1 830 000	8.71	-4.96
Gallium	(t)	356	290	420	606	701	96.91	15.68
Germanium	(t)	85	86	132	130	154	81.18	18.46
Indium	(t)	490	528	540	667	646	31.84	-3.15
Lead	(t)	2 097 000	1 942 000	1 964 400	1 945 900	1 960 000	-6.53	0.72
Lithium	(t)	19 000	28 800	30 500	57 900	106 300	459.47	83.59
Mercury	(t)	2 046	1 993	1 400	637	700	-65.79	9.89
Rare Earths	(t)	132 000	140 000	168 000	210 000	255 000	93.18	21.43
Rhenium	(kg)	2 500	2 500	2 500	2 500	2 650	6.00	6.00
Selenium	(t)	1 250	1 120	1 400	1 400	1 400	12.00	0.00
Tellurium	(t)	380	260	530	500	500	31.58	0.00
Tin	(t)	85 584	94 460	83 144	67 365	68 000	-20.55	0.94
Zinc	(t)	4 213 000	4 058 000	4 136 000	4 041 000	4 130 000	-1.97	2.20
Gold	(kg)	380 230	365 340	328 980	372 048	375 155	-1.33	0.84
Palladium	(kg)	1 300	1 300	1 300	1 300	2 000	53.85	53.85
Platinum	(kg)	2 500	2 500	2 500	2 800	3 000	20.00	7.14
Silver	(kg)	3 468 000	3 405 800	3 511 600	3 477 400	3 399 600	-1.97	-2.24
Asbestos	(t)	125 000	120 000	130 000	196 000	196 000	56.80	0.00
Baryte	(t)	2 900 000	2 500 000	2 200 000	2 000 000	2 000 000	-31.03	0.00
Bentonite	(t)	5 600 000	3 650 000	2 500 000	2 100 000	2 100 000	-62.50	0.00
Boron	(t)	250 000	250 000	250 000	300 000	360 300	44.12	20.10
Diam. (Gem)	(ct)	51	21	0	0	0	-100.00	.
Diatomite	(t)	420 000	362 000	320 000	368 000	370 000	-11.90	0.54
Feldspar	(t)	2 450 000	2 450 000	2 450 000	2 500 000	2 500 000	2.04	0.00
Fluorspar	(t)	4 000 000	4 300 000	5 400 000	5 700 000	5 700 000	42.50	0.00
Graphite	(t)	1 185 000	1 090 000	1 189 000	1 161 000	1 208 000	1.94	4.05
Gypsum	(t)	65 000 000	60 000 000	60 884 000	60 110 000	59 360 800	-8.68	-1.25
Kaolin	(t)	6 400 000	6 500 000	7 240 000	7 822 000	8 292 000	29.56	6.01
Magnesite	(t)	19 000 000	19 000 000	18 000 000	17 000 000	15 000 000	-21.05	-11.76
Phosphates	(t)	27 997 200	26 679 960	30 869 700	31 423 500	31 592 700	12.84	0.54
Potash	(t)	5 902 000	5 530 000	5 814 600	5 910 000	5 470 400	-7.31	-7.44
Salt	(t)	67 014 400	58 526 800	57 065 100	53 598 800	52 685 800	-21.38	-1.70
Sulfur	(t)	14 450 000	15 340 000	15 730 000	16 970 000	18 500 000	28.03	9.02
Talc	(t)	1 800 000	1 300 000	1 400 000	1 400 000	1 400 000	-22.22	0.00
Vermiculite	(t)	50 000	50 000	40 000	40 000	35 000	-30.00	-12.50
Zircon	(t)	140 000	140 000	140 000	140 000	100 000	-28.57	-28.57

Abbreviations: see Definitions

Steam Coal	(t)	2 970 445 000	2 999 940 000	3 248 607 000	3 664 678 000	3 821 084 000	28.64	4.27
Coking Coal	(t)	538 634 000	561 254 300	547 540 900	553 958 100	540 986 400	0.44	-2.34
Nat. Gas	(Mio m ³)	175 362	192 495	207 584	220 110	232 430	32.54	5.60
Petroleum	(t)	191 628 300	194 768 600	198 881 100	204 722 400	209 026 100	9.08	2.10
Uranium	(t)	2 223	2 223	1 887	2 005	2 005	-9.81	0.00
Total	(t)	4 352 110 790	4 411 440 421	4 656 081 071	5 115 840 318	5 275 323 353		

Christmas Island

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Phosphates	(t)	127 730	81 230	100 220	95 170	141 900	11.09	49.10
Total	(t)	127 730	81 230	100 220	95 170	141 900		

Colombia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	300 240	354 200	337 670	223 920	293 730	-2.17	31.18
Manganese	(t)	160	10	140	160	150	-6.25	-6.25
Nickel	(t)	44 990	40 480	43 940	46 370	43 030	-4.36	-7.20
Bauxite	(t)	18 033	9 595	49 946	48 016	2 779	-84.59	-94.21
Copper	(t)	7 641	9 372	9 194	6 918	6 007	-21.38	-13.17
Tin	(t)	31	233	0	0	0	-100.00	.
Gold	(kg)	38 018	48 775	56 772	52 313	61 300	61.24	17.18
Platinum	(kg)	198	453	618	583	893	351.01	53.17
Silver	(kg)	14 481	20 354	26 853	35 909	51 699	257.01	43.97
Baryte	(t)	2 270	2 046	1 164	1 034	1 376	-39.38	33.08
Bentonite	(t)	145 643	185 418	88 339	58 815	31 263	-78.53	-46.85
Feldspar	(t)	180 235	134 847	99 755	164 783	73 675	-59.12	-55.29
Graphite	(t)	135	0	0	0	0	-100.00	.
Gypsum	(t)	294 137	323 157	408 681	480 748	389 107	32.29	-19.06
Kaolin	(t)	105 731	46 697	79 343	40 839	143 533	35.75	251.46
Magnesite	(t)	1 847	1 077	3 116	2 694	2 540	37.52	-5.72
Phosphates	(t)	20 670	14 710	17 110	19 110	11 760	-43.11	-38.46
Salt	(t)	376 309	409 976	370 318	379 081	374 873	-0.38	-1.11
Sulfur	(t)	100 203	69 638	35 930	31 530	32 000	-68.06	1.49
Talc	(t)	2 757	717	3 170	5 222	1 690	-38.70	-67.64
Steam Coal	(t)	81 382 325	49 913 080	56 328 800	58 115 655	59 627 100	-26.73	2.60
Coking Coal	(t)	7 120 830	6 896 425	7 401 317	8 704 076	8 930 440	25.41	2.60
Nat. Gas	(Mio m ³)	11 800	11 770	12 110	11 890	11 740	-0.51	-1.26
Petroleum	(t)	44 101 940	38 993 490	36 660 230	37 554 630	38 794 920	-12.03	3.30
Total	(t)	143 646 179	106 821 237	111 626 248	115 395 690	118 152 087		

Abbreviations: see Definitions

Congo, D.R.

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Cobalt	(t)	78 664	86 591	93 011	115 371	139 840	77.77	21.21
Manganese	(t)	1 780	1 000	9 450	5 380	600	-66.29	-88.85
Niobium	(t)	433	565	475	644	560	29.33	-13.04
Tantalum	(t)	460	600	505	733	630	36.96	-14.05
Tungsten	(t)	260	116	114	148	418	60.77	182.43
Copper	(t)	1 461 124	1 712 964	1 924 374	2 394 630	2 842 022	94.51	18.68
Tin	(t)	10 990	14 670	15 750	20 420	18 460	67.97	-9.60
Zinc	(t)	1 607	15 305	16 079	13 578	11 321	604.48	-16.62
Gold	(kg)	33 752	29 597	31 421	29 498	34 526	2.29	17.05
Silver	(kg)	3 400	3 400	3 400	3 400	3 400	0.00	0.00
Diam. (Gem)	(ct)	2 020 450	2 588 850	2 594 650	1 948 550	424 880	-78.97	-78.20
Diam. (Ind)	(ct)	11 449 240	10 355 400	10 378 700	8 307 100	7 880 920	-31.17	-5.13
Petroleum	(t)	1 113 260	1 191 660	1 170 000	1 159 250	1 149 910	3.29	-0.81
Total	(t)	2 668 617	3 023 507	3 229 795	3 710 188	4 163 801		

Congo, Rep.

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	20 200	3 400	20 200	20 200	20 200	0.00	0.00
Copper	(t)	18 760	10 300	11 012	11 940	8 419	-55.12	-29.49
Zinc	(t)	4 830	1 100	12 700	16 130	24 070	398.34	49.23
Gold	(kg)	150	150	150	150	150	0.00	0.00
Diam. (Ind)	(ct)	2 963	11 157	4 125	3 534	4 074	37.50	15.28
Nat. Gas (Mio m³)		622	809	970	931	1 000	60.77	7.41
Petroleum	(t)	16 749 800	15 280 150	13 626 100	13 108 800	13 334 200	-20.39	1.72
Total	(t)	17 291 190	15 942 150	14 446 012	13 901 870	14 186 889		

Costa Rica

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	4 500	600	647	790	800	-82.22	1.27
Diatomite	(t)	4 000	4 000	16 462	14 642	15 000	275.00	2.45
Total	(t)	4 005	4 001	16 463	14 643	15 001		

Abbreviations: see Definitions

Cote d'Ivoire

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)	472 700	530 200	384 500	371 900	470 100	-0.55	26.40
Nickel	(t)	9 900	20 220	26 460	27 610	37 210	275.86	34.77
Bauxite	(t)	0	272 295	0	54 963	105 000	.	91.04
Gold	(kg)	32 568	38 523	41 855	48 320	51 185	57.16	5.93
Silver	(kg)	300	956	1 418	1 604	1 600	433.33	-0.25
Diam. (Gem)	(ct)	3 989	4 012	4 121	3 969	2 368	-40.64	-40.34
Nat. Gas	(Mio m ³)	2 171	2 229	2 373	2 557	2 728	25.66	6.69
Petroleum	(t)	1 799 700	1 451 600	1 196 700	1 268 600	1 466 600	-18.51	15.61
Total	(t)	4 019 133	4 057 555	3 506 103	3 768 723	4 261 363		

Croatia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Bauxite	(t)	14 342	14 084	14 448	17 749	14 660	2.22	-17.40
Gypsum	(t)	199 255	221 629	285 966	278 581	288 960	45.02	3.73
Salt	(t)	93 870	111 901	111 319	102 671	52 270	-44.32	-49.09
Nat. Gas	(Mio m ³)	1 029	849	746	745	691	-32.85	-7.25
Petroleum	(t)	677 200	593 700	565 700	548 000	533 900	-21.16	-2.57
Total	(t)	1 807 867	1 620 514	1 574 233	1 543 001	1 442 590		

Cuba

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	27 000	14 000	8 500	4 000	2 700	-90.00	-32.50
Cobalt	(t)	3 800	3 900	3 800	3 600	3 200	-15.79	-11.11
Nickel	(t)	45 000	46 000	44 000	43 000	37 500	-16.67	-12.79
Lead	(t)	36 000	30 000	30 000	33 000	35 000	-2.78	6.06
Zinc	(t)	57 830	57 730	44 500	51 700	66 100	14.30	27.85
Bentonite	(t)	504	486	517	290	269	-46.63	-7.24
Feldspar	(t)	2 100	14 100	17 800	5 900	17 300	723.81	193.22
Gypsum	(t)	66 330	62 300	53 200	32 600	37 400	-43.62	14.72
Kaolin	(t)	2 100	2 032	1 375	458	1 465	-30.24	219.87
Magnesite	(t)	1 532	3 910	3 000	548	260	-83.03	-52.55
Phosphates	(t)	0	460	410	320	0	.	-100.00
Salt	(t)	210 370	226 000	204 600	195 600	87 900	-58.22	-55.06
Sulfur	(t)	317 000	311 200	278 900	289 200	260 000	-17.98	-10.10
Nat. Gas	(Mio m ³)	951	895	863	844	955	0.42	13.15
Petroleum	(t)	2 371 450	2 320 200	2 433 300	2 373 900	2 200 000	-7.23	-7.33
Total	(t)	3 901 816	3 808 318	3 814 302	3 709 316	3 513 094		

Abbreviations: see Definitions

Cyprus

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Copper	(t)	703	0	0	0	0	-100.00	.
Gold	(kg)	33	61	0	0	0	-100.00	.
Silver	(kg)	97	486	0	0	0	-100.00	.
Bentonite	(t)	83 113	92 645	81 655	86 562	102 442	23.26	18.35
Gypsum	(t)	623 545	646 340	661 175	688 270	690 909	10.80	0.38
Total	(t)	707 361	738 985	742 830	774 832	793 351		

Czechia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Bentonite	(t)	357 000	226 000	198 000	167 000	196 000	-45.10	17.37
Diatomite	(t)	43 000	46 000	18 000	44 000	38 000	-11.63	-13.64
Feldspar	(t)	460 000	419 000	504 000	493 000	352 000	-23.48	-28.60
Gypsum	(t)	10 000	17 000	17 000	20 000	11 000	10.00	-45.00
Kaolin	(t)	3 446 000	3 069 000	3 454 000	3 009 000	2 402 000	-30.30	-20.17
Steam Coal	(t)	1 335 497	841 188	739 460	1 293 831	1 375 256	2.98	6.29
Coking Coal	(t)	2 309 833	1 296 137	1 734 896	816 254	637 091	-72.42	-21.95
Lignite	(t)	37 465 000	29 505 000	29 278 000	33 397 365	28 660 000	-23.50	-14.18
Nat. Gas (Mio m³)		146	173	153	165	119	-18.49	-27.88
Petroleum	(t)	81 000	91 000	83 000	75 000	67 000	-17.28	-10.67
Uranium	(t)	39	34	32	25	15	-61.54	-40.00
Total	(t)	45 624 169	35 648 759	36 148 788	39 447 475	33 833 562		

Denmark

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Bentonite	(t)	48 197	40 054	20 281	24 128	18 962	-60.66	-21.41
Diatomite	(t)	108 800	115 000	120 600	143 100	101 900	-6.34	-28.79
Salt	(t)	600 000	600 000	600 000	600 000	600 000	0.00	0.00
Sulfur	(t)	3 554	4 140	4 090	3 727	2 700	-24.03	-27.56
Nat. Gas (Mio m³)		3 138	1 425	1 352	1 349	1 328	-57.68	-1.56
Petroleum	(t)	5 017 234	3 556 000	3 277 800	3 212 000	2 922 014	-41.76	-9.03
Total	(t)	8 288 185	5 455 194	5 104 371	5 062 155	4 707 976		

Abbreviations: see Definitions

Dominican Republic

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nickel	(t)	28 450	22 005	27 819	29 223	17 875	-37.17	-38.83
Bauxite	(t)	7 551	9 475	71 517	91 813	0	-100.00	-100.00
Copper	(t)	6 047	2 193	4 774	5 360	9 673	59.96	80.47
Zinc	(t)	5 527	2 361	4 896	5 485	10 837	96.07	97.58
Gold	(kg)	31 801	28 154	25 437	22 282	17 646	-44.51	-20.81
Silver	(kg)	108 685	87 889	79 688	73 413	52 042	-52.12	-29.11
Feldspar	(t)	1 000	0	0	0	2 100	110.00	.
Gypsum	(t)	316 630	304 920	329 630	415 810	332 700	5.08	-19.99
Salt	(t)	26 000	24 000	19 972	24 957	29 250	12.50	17.20
Total	(t)	391 346	365 070	458 713	572 743	402 505		

Ecuador

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Copper	(t)	9 900	49 700	89 170	121 223	126 500	1 177.78	4.35
Gold	(kg)	6 293	9 086	15 026	17 272	17 550	178.88	1.61
Silver	(kg)	2 892	15 037	34 915	44 315	47 950	1 558.02	8.20
Baryte	(t)	2 000	2 000	1 000	500	1 000	-50.00	100.00
Feldspar	(t)	45 000	0	0	0	0	-100.00	.
Nat. Gas	(Mio m³)	318	268	269	243	217	-31.76	-10.70
Petroleum	(t)	26 442 000	23 932 000	23 543 000	23 944 300	23 661 400	-10.52	-1.18
Total	(t)	26 753 309	24 198 124	23 848 420	24 260 484	23 962 566		

Egypt

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	48 200	1 900	5 800	24 300	45 000	-6.64	85.19
Manganese	(t)	7 900	5 300	8 000	5 000	1 000	-87.34	-80.00
Aluminium	(t)	290 000	268 000	270 000	250 000	310 000	6.90	24.00
Gold	(kg)	14 946	14 069	12 919	13 716	13 998	-6.34	2.06
Baryte	(t)	4 000	4 000	4 000	4 000	4 000	0.00	0.00
Bentonite	(t)	7 000	7 000	7 000	7 000	5 000	-28.57	-28.57
Feldspar	(t)	230 000	200 000	200 000	200 000	200 000	-13.04	0.00
Fluorspar	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Gypsum	(t)	800 000	800 000	800 000	800 000	800 000	0.00	0.00
Kaolin	(t)	230 000	230 000	230 000	230 000	230 000	0.00	0.00
Phosphates	(t)	979 620	885 100	898 400	1 084 900	1 100 000	12.29	1.39

Abbreviations: see Definitions

Salt	(t)	493 000	357 000	218 000	162 000	200 000	-59.43	23.46
Sulfur	(t)	80 000	80 000	80 000	80 000	80 000	0.00	0.00
Talc	(t)	22 000	20 000	15 000	20 000	20 000	-9.09	0.00
Nat. Gas	(Mio m³)	64 940	58 465	67 799	64 488	57 100	-12.07	-11.46
Petroleum	(t)	31 812 000	31 066 370	29 601 360	29 925 100	29 820 890	-6.26	-0.35
Total	(t)	86 956 735	80 697 684	86 577 773	84 383 714	78 496 904		

El Salvador

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
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

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nat. Gas	(Mio m³)	6 235	6 023	7 047	8 105	7 103	13.92	-12.36
Petroleum	(t)	7 172 620	7 154 290	5 919 365	5 379 570	3 998 830	-44.25	-25.67
Total	(t)	12 160 620	11 972 690	11 556 965	11 863 570	9 681 230		

Eritrea

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Copper	(t)	16 008	21 725	20 224	17 098	17 595	9.91	2.91
Zinc	(t)	121 260	121 930	129 641	120 529	116 829	-3.65	-3.07
Gold	(kg)	2 443	3 019	2 140	3 200	2 550	4.38	-20.31
Silver	(kg)	44 836	65 284	68 624	49 855	48 532	8.24	-2.65
Gypsum	(t)	18 000	18 000	26 000	26 000	26 000	44.44	0.00
Salt	(t)	310 000	320 000	320 000	320 000	320 000	3.23	0.00
Total	(t)	465 315	481 723	495 936	483 680	480 476		

Estonia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Oil Shales	(t)	15 697 400	12 144 400	11 743 000	13 967 000	13 362 000	-14.88	-4.33
Total	(t)	15 697 400	12 144 400	11 743 000	13 967 000	13 362 000		

Abbreviations: see Definitions

Eswatini

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	6	1	0	4	23	283.33	475.00
Steam Coal	(t)	109 926	161 768	162 681	215 581	393 328	257.81	82.45
Total	(t)	109 926	161 768	162 681	215 581	393 328		

Ethiopia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	500	200	700	400	200	-60.00	-50.00
Niobium	(t)	14	11	18	25	35	150.00	40.00
Tantalum	(t)	50	41	64	90	120	140.00	33.33
Gold	(kg)	2 800	7 500	9 600	5 900	3 500	25.00	-40.68
Silver	(kg)	800	1 000	1 000	800	600	-25.00	-25.00
Diatomite	(t)	5 000	5 000	5 000	5 000	5 000	0.00	0.00
Gypsum	(t)	56 313	107 070	110 000	110 000	110 000	95.34	0.00
Kaolin	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Salt	(t)	125 000	125 000	125 000	250 000	250 000	100.00	0.00
Total	(t)	187 881	238 331	241 793	366 522	366 360		

Fiji

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	35 900	35 200	49 400	28 800	27 300	-23.96	-5.21
Gold	(kg)	1 106	1 090	1 107	584	545	-50.72	-6.68
Silver	(kg)	692	479	622	475	607	-12.28	27.79
Total	(t)	35 902	35 201	49 402	28 801	27 302		

Finland

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	491 930	470 620	472 890	391 410	376 390	-23.49	-3.84
Cobalt	(t)	1 454	1 559	1 084	1 235	1 057	-27.30	-14.41
Nickel	(t)	38 530	41 429	42 163	44 921	41 941	8.85	-6.63
Copper	(t)	32 861	36 278	32 384	27 637	20 132	-38.74	-27.16
Lead	(t)	937	1 532	1 494	1 535	910	-2.88	-40.72
Selenium	(t)	115	84	100	130	122	6.09	-6.15
Zinc	(t)	69 800	61 213	59 080	62 433	58 387	-16.35	-6.48

Abbreviations: see Definitions

Gold	(kg)	7 927	8 668	9 082	8 390	8 804	11.06	4.93
Palladium	(kg)	699	858	1 036	960	762	9.01	-20.63
Platinum	(kg)	953	1 277	1 447	1 243	933	-2.10	-24.94
Silver	(kg)	40 461	54 833	45 338	35 182	43 915	8.54	24.82
Feldspar	(t)	17 997	16 137	52 706	63 034	55 211	206.78	-12.41
Magnesite	(t)	37 002	136 167	179 781	324 226	298 025	705.43	-8.08
Phosphates	(t)	363 020	363 200	363 720	341 600	330 710	-8.90	-3.19
Sulfur	(t)	811 600	794 900	737 600	696 800	693 600	-14.54	-0.46
Talc	(t)	329 891	278 331	296 833	241 538	197 116	-40.25	-18.39
Total	(t)	2 195 187	2 201 516	2 239 891	2 196 544	2 073 656		

France

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	401 850	417 000	438 942	388 589	356 717	-11.23	-8.20
Bauxite	(t)	120 760	123 496	142 764	118 000	120 000	-0.63	1.69
Indium	(t)	38	40	38	19	21	-44.74	10.53
Bentonite	(t)	36 000	36 000	36 000	176 628	180 000	400.00	1.91
Diatomite	(t)	90 000	90 000	50 000	50 000	50 000	-44.44	0.00
Feldspar	(t)	500 000	500 000	500 000	450 000	450 000	-10.00	0.00
Gypsum	(t)	3 259 935	1 891 190	2 108 258	2 410 284	1 808 560	-44.52	-24.96
Kaolin	(t)	392 389	231 579	289 057	310 251	268 828	-31.49	-13.35
Salt	(t)	5 160 260	5 200 596	5 543 448	5 621 754	4 373 125	-15.25	-22.21
Sulfur	(t)	500 000	450 000	450 000	450 000	400 000	-20.00	-11.11
Talc	(t)	400 000	400 000	350 000	350 000	350 000	-12.50	0.00
Nat. Gas	(Mio m³)	16	17	22	20	18	12.50	-10.00
Oil Shales	(t)	2 000	2 000	2 000	2 000	2 000	0.00	0.00
Petroleum	(t)	719 800	649 675	647 080	595 335	586 020	-18.59	-1.56
Total	(t)	11 595 832	10 005 176	10 575 187	10 938 860	8 959 671		

French Guiana

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	1 157	1 058	1 225	935	1 110	-4.06	18.72
Total	(t)	1	1	1	1	1		

Gabon

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)				0	6 800	.	.
Manganese	(t)	3 158 100	3 709 100	4 228 900	4 522 700	4 386 300	38.89	-3.02
Gold	(kg)	107	55	1 106	1 063	1 276	1 092.52	20.04

Abbreviations: see Definitions

Nat. Gas (Mio m ³)	464	502	454	418	400	-13.79	-4.31
Petroleum (t)	10 848 000	10 766 000	10 038 600	10 367 900	11 160 000	2.88	7.64
Total (t)	14 377 300	14 876 700	14 630 701	15 225 001	15 873 101		

Georgia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese (t)		170 600	202 400	226 500	160 000	212 300	24.44	32.69
Copper (t)		9 500	8 000	8 130	6 400	4 395	-53.74	-31.33
Gold (kg)		4 052	5 401	3 513	4 908	5 000	23.40	1.87
Silver (kg)		4 100	11 200	12 700	22 400	24 000	485.37	7.14
Bentonite (t)		27 872	12 750	16 315	22 955	34 600	24.14	50.73
Gypsum (t)		137 831	87 655	79 515	22 028	57 600	-58.21	161.49
Perlite (t)		21 000	31 736	31 572	51 829	64 000	204.76	23.48
Steam Coal (t)		15 300	99 300	147 900	146 347	148 029	867.51	1.15
Nat. Gas (Mio m ³)		10	9	16	15	16	60.00	6.67
Petroleum (t)		35 100	31 300	35 500	36 600	38 900	10.83	6.28
Total (t)		425 211	480 357	558 249	458 186	572 653		

Germany

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron (t)		94 100	95 500	87 500	86 000	85 400	-9.25	-0.70
Aluminium (t)		507 934	529 056	509 193	341 212	189 471	-62.70	-44.47
Cadmium (t)		620	500	450	300	112	-81.94	-62.67
Copper (t)		40	37	60	67	71	77.50	5.97
Selenium (t)		300	300	300	300	300	0.00	0.00
Gold (kg)		15	10	12	14	14	-6.67	0.00
Silver (kg)		4 000	4 000	6 000	7 000	7 000	75.00	0.00
Baryte (t)		30 474	26 656	27 921	24 128	16 434	-46.07	-31.89
Bentonite (t)		366 000	333 000	363 000	331 000	285 000	-22.13	-13.90
Diatomite (t)		53 802	51 511	58 519	50 321	44 439	-17.40	-11.69
Feldspar (t)		235 289	221 527	223 007	205 330	180 994	-23.08	-11.85
Fluorspar (t)		79 959	64 933	56 632	61 563	35 508	-55.59	-42.32
Graphite (t)		207	108	181	185	136	-34.30	-26.49
Gypsum (t)		4 850 000	5 200 000	6 260 000	5 820 000	4 730 000	-2.47	-18.73
Kaolin (t)		4 760 000	4 969 000	5 291 000	4 594 000	3 523 000	-25.99	-23.31
Potash (t)		2 615 284	2 874 026	2 793 326	2 708 650	2 536 308	-3.02	-6.36
Salt (t)		16 627 893	14 226 154	17 668 366	15 073 463	13 486 651	-18.89	-10.53
Sulfur (t)		460 012	353 293	382 049	370 664	276 876	-39.81	-25.30

Abbreviations: see Definitions

Lignite	(t)	131 314 000	107 377 260	126 256 594	130 801 111	102 127 890	-22.23	-21.92
Nat. Gas	(Mio m³)	6 699	5 692	5 731	5 281	4 620	-31.03	-12.52
Oil Shales	(t)	487 012	471 404	442 886	415 916	429 483	-11.81	3.26
Petroleum	(t)	1 923 232	1 895 942	1 805 932	1 699 014	1 635 331	-14.97	-3.75
Uranium	(t)	28	8	0	0	0	-100.00	.
Total	(t)	169 765 390	143 243 819	166 811 722	166 808 031	133 279 411		

Ghana

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)	1 507 200	660 100	934 200	919 800	870 500	-42.24	-5.36
Aluminium	(t)	43 908	37 566	39 239	55 592	48 314	10.03	-13.09
Bauxite	(t)	1 116 334	1 162 086	839 465	773 213	959 601	-14.04	24.11
Gold	(kg)	142 371	125 114	87 721	115 937	125 611	-11.77	8.34
Silver	(kg)	4 000	3 000	1 000	1 000	1 000	-75.00	0.00
Diam. (Gem)	(ct)	27 030	20 230	43 340	61 690	152 070	462.60	146.51
Diam. (Ind)	(ct)	6 760	5 060	10 835	20 560	50 690	649.85	146.55
Salt	(t)	300 000	330 000	300 000	300 000	150 000	-50.00	-50.00
Nat. Gas	(Mio m³)	1 550	2 660	3 020	3 300	3 220	107.74	-2.42
Petroleum	(t)	10 205 700	9 561 000	7 864 300	7 393 900	6 892 400	-32.47	-6.78
Total	(t)	14 413 288	13 878 880	12 393 293	12 082 622	11 496 942		

Greece

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	12 080	790	0	0	0	-100.00	.
Nickel	(t)	17 240	9 270	4 770	1 700	0	-100.00	-100.00
Aluminium	(t)	186 903	181 708	183 775	186 448	183 361	-1.90	-1.66
Bauxite	(t)	1 379 123	1 428 631	1 227 487	1 173 319	974 938	-29.31	-16.91
Lead	(t)	14 818	19 717	16 773	10 100	15 220	2.71	50.69
Zinc	(t)	22 322	28 090	22 621	10 502	16 600	-25.63	58.07
Gold	(kg)	2 333	2 177	3 315	1 752	2 088	-10.50	19.18
Silver	(kg)	37 790	51 111	44 086	32 870	42 988	13.75	30.78
Bentonite	(t)	1 393 958	979 329	1 253 789	1 106 201	1 166 920	-16.29	5.49
Gypsum	(t)	589 012	622 834	647 164	656 296	746 656	26.76	13.77
Magnesite	(t)	358 841	335 943	393 715	393 287	135 363	-62.28	-65.58
Perlite	(t)	718 077	821 233	1 053 019	839 108	842 376	17.31	0.39
Salt	(t)	201 107	201 000	210 000	220 000	220 000	9.39	0.00
Sulfur	(t)	260 000	210 000	250 000	250 000	230 000	-11.54	-8.00
Lignite	(t)	27 383 575	13 866 637	12 427 717	14 340 293	10 611 290	-61.25	-26.00
Nat. Gas	(Mio m³)	9	6	4	0	2	-77.78	.
Petroleum	(t)	164 905	89 715	57 570	0	50 110	-69.61	.
Total	(t)	32 709 201	18 799 750	17 751 647	19 187 289	15 194 479		

Abbreviations: see Definitions

Guatemala

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	30	0	0	0	0	-100.00	.
Nickel	(t)	44 600	57 600	61 400	52 600	20 300	-54.48	-61.41
Antimony	(t)	150	50	0	12	25	-83.33	108.33
Lead	(t)	377	0	0	0	0	-100.00	.
Baryte	(t)	50	50	100	20	0	-100.00	-100.00
Bentonite	(t)	12 700	6 000	7 378	7 400	7 400	-41.73	0.00
Feldspar	(t)	28 771	25 578	34 232	30 000	20 000	-30.49	-33.33
Gypsum	(t)	140 901	423 281	138 552	206 143	240 109	70.41	16.48
Kaolin	(t)	700	402	295	300	300	-57.14	0.00
Magnesite	(t)	4 500	6 000	14 100	10 000	10 000	122.22	0.00
Talc	(t)	10	3 151	2 111	1 450	1 370	13 600.00	-5.52
Nat. Gas	(Mio m ³)		0	72	72	68	.	-5.56
Petroleum	(t)	478 200	389 000	355 500	349 200	287 600	-39.86	-17.64
Total	(t)	710 989	911 112	671 268	714 725	641 504		

Guinea

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	0	418 800	1 140 800	197 900	0	.	-100.00
Bauxite	(t)	70 173 326	87 766 199	87 438 557	103 525 513	123 067 415	75.38	18.88
Gold	(kg)	27 708	91 798	102 046	86 236	75 599	172.84	-12.33
Diam. (Gem)	(ct)	171 880	96 430	204 990	160 000	90 040	-47.61	-43.73
Diam. (Ind)	(ct)	57 300	32 145	68 330	53 330	30 000	-47.64	-43.75
Total	(t)	70 173 354	88 185 091	88 579 459	103 723 499	123 067 491		

Guyana

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)				105 800	119 520	.	12.97
Bauxite	(t)	1 919 747	608 168	618 452	705 631	523 742	-72.72	-25.78
Gold	(kg)	19 963	18 209	15 522	15 129	13 440	-32.68	-11.16
Diam. (Gem)	(ct)	54 990	19 240	45 106	83 614	72 301	31.48	-13.53
Petroleum	(t)	58 280	3 709 780	5 820 870	13 832 300	19 478 600	33 322.44	40.82
Total	(t)	1 978 047	4 317 966	6 439 338	14 643 746	20 121 875		

Abbreviations: see Definitions

Honduras

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Antimony	(t)	15	10	120	0	0	-100.00	.
Lead	(t)	12 308	13 400	14 000	12 400	12 300	-0.06	-0.81
Zinc	(t)	29 454	30 200	32 300	28 200	30 000	1.85	6.38
Gold	(kg)	3 035	1 963	2 824	1 911	2 051	-32.42	7.33
Silver	(kg)	45 174	40 400	37 495	30 000	32 000	-29.16	6.67
Gypsum	(t)	34 964	45 254	45 000	75 000	75 000	114.51	0.00
Salt	(t)	49 900	61 200	63 500	60 000	65 000	30.26	8.33
Total	(t)	126 689	150 106	154 960	175 632	182 334		

Hungary

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Bentonite	(t)	41 500	42 000	42 000	38 501	38 000	-8.43	-1.30
Perlite	(t)	43 900	44 000	60 000	85 505	80 000	82.23	-6.44
Lignite	(t)	6 847 230	6 125 178	4 987 686	4 928 004	4 072 289	-40.53	-17.36
Nat. Gas	(Mio m³)	1 716	1 708	1 526	1 549	1 640	-4.43	5.87
Petroleum	(t)	1 160 000	1 030 000	1 087 000	1 080 000	1 129 000	-2.67	4.54
Total	(t)	9 465 430	8 607 578	7 397 486	7 371 210	6 631 289		

Iceland

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	682 616	691 989	695 857	730 394	752 904	10.30	3.08
Salt	(t)	5 000	5 000	5 000	5 000	5 000	0.00	0.00
Total	(t)	687 616	696 989	700 857	735 394	757 904		

India

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	151 827 100	126 231 200	152 055 800	154 020 500	170 340 800	12.19	10.60
Chromium	(t)	1 832 600	1 273 300	1 926 900	1 572 300	1 511 800	-17.51	-3.85
Manganese	(t)	919 640	838 800	910 700	879 900	1 035 700	12.62	17.71
Titanium	(t)	205 200	205 500	227 500	154 000	150 000	-26.90	-2.60
Vanadium	(t)	76	100	100	50	50	-34.21	0.00
Aluminium	(t)	3 635 089	3 619 237	3 994 500	4 043 800	4 126 500	13.52	2.05
Bauxite	(t)	21 825 227	20 380 548	22 135 961	23 844 406	23 360 795	7.04	-2.03
Copper	(t)	28 585	25 260	26 580	23 949	25 717	-10.03	7.38
Lead	(t)	197 080	216 280	224 140	218 610	226 400	14.88	3.56
Rare Earths	(t)	2 520	2 500	2 000	2 600	2 600	3.17	0.00

Abbreviations: see Definitions

Selenium	(t)	17	20	20	20	20	17.65	0.00
Tin	(t)	12	13	14	36	23	91.67	-36.11
Zinc	(t)	719 220	756 090	788 400	836 100	853 400	18.66	2.07
Gold	(kg)	1 742	1 127	1 375	1 359	1 428	-18.03	5.08
Silver	(kg)	609 340	705 795	697 412	684 184	738 664	21.22	7.96
Baryte	(t)	2 739 035	2 500 000	2 500 000	2 000 000	2 400 000	-12.38	20.00
Bentonite	(t)	3 605 000	3 740 000	3 550 000	3 500 000	3 500 000	-2.91	0.00
Diam. (Gem)	(ct)	10 301	5 010	0	0	0	-100.00	.
Diam. (Ind)	(ct)	18 515	8 910	277	421	55	-99.70	-86.94
Feldspar	(t)	6 172 997	4 820 000	6 430 000	6 000 000	6 000 000	-2.80	0.00
Fluorspar	(t)	1 315	1 052	1 422	987	6 296	378.78	537.89
Graphite	(t)	34 674	35 386	41 983	91 017	128 947	271.88	41.67
Gypsum	(t)	3 006 046	6 788 200	3 547 250	4 000 000	4 000 000	33.07	0.00
Kaolin	(t)	8 000 000	8 000 000	8 000 000	8 400 000	8 400 000	5.00	0.00
Magnesite	(t)	102 554	74 661	110 023	112 891	123 207	20.14	9.14
Phosphates	(t)	332 940	339 200	317 200	413 900	383 400	15.16	-7.37
Salt	(t)	28 058 400	26 564 400	26 600 100	39 114 000	34 000 000	21.18	-13.07
Sulfur	(t)	3 900 950	3 750 000	3 681 000	3 725 000	3 881 000	-0.51	4.19
Talc	(t)	1 748 963	1 720 000	1 575 000	1 630 000	1 450 000	-17.09	-11.04
Vermiculite	(t)	2 774	1 260	3 485	2 091	1 537	-44.59	-26.49
Zircon	(t)	15 600	16 000	16 000	16 000	15 000	-3.85	-6.25
Steam Coal	(t)	677 938 000	671 296 000	726 508 000	832 432 000	931 005 000	37.33	11.84
Coking Coal	(t)	52 936 000	44 787 000	51 702 000	60 759 000	66 821 000	26.23	9.98
Lignite	(t)	42 096 000	37 895 000	44 794 000	46 728 000	42 257 000	0.38	-9.57
Nat. Gas (Mio m³)		31 151	27 572	32 362	33 362	35 081	12.62	5.15
Petroleum	(t)	32 169 270	30 494 090	29 891 000	29 391 000	29 117 000	-9.49	-0.93
Uranium	(t)	363	472	708	708	708	95.04	0.00
Total	(t)	1 068 974 658	1 018 429 876	1 117 452 084	1 250 603 150	1 363 189 440		

Indonesia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	1 379 300	2 951 100	3 300 000	3 000 000	800 000	-42.00	-73.33
Cobalt	(t)	350	1 000	2 100	9 600	18 200	5 100.00	89.58
Manganese	(t)	24 000	23 500	40 000	0	0	-100.00	.
Nickel	(t)	1 036 200	816 700	1 173 200	1 593 400	2 028 800	95.79	27.33
Aluminium	(t)	233 457	220 089	200 577	223 774	214 930	-7.94	-3.95
Bauxite	(t)	16 592 740	25 859 895	25 781 187	28 808 674	9 889 569	-40.40	-65.67
Copper	(t)	351 220	505 650	731 060	940 770	907 210	158.30	-3.57
Lead	(t)	9 450	7 090	6 735	4 800	6 415	-32.12	33.65
Tin	(t)	76 390	52 617	34 466	56 093	50 669	-33.67	-9.67
Zinc	(t)	25 215	20 390	14 780	11 375	10 410	-58.72	-8.48
Gold	(kg)	108 900	66 190	72 660	97 140	94 610	-13.12	-2.60
Silver	(kg)	487 400	338 100	295 920	298 650	281 060	-42.33	-5.89
Feldspar	(t)	480 800	287 400	313 200	325 700	445 800	-7.28	36.87
Kaolin	(t)	2 754 600	1 636 000	1 568 000	975 300	1 609 600	-41.57	65.04
Salt	(t)	2 852 125	1 365 711	879 986	635 865	2 214 766	-22.35	248.31
Sulfur	(t)	500 000	500 000	500 000	500 000	500 000	0.00	0.00
Zircon	(t)	73 100	77 200	54 630	97 400	95 300	30.37	-2.16

Abbreviations: see Definitions

Steam Coal	(t)	594 796 500	561 979 800	564 815 600	682 102 100	769 103 900	29.31	12.75
Coking Coal	(t)	5 752 018	4 800 000	6 000 000	6 078 000	6 078 000	5.67	0.00
Nat. Gas	(Mio m³)	67 160	69 080	68 910	67 100	68 530	2.04	2.13
Petroleum	(t)	37 104 200	35 367 913	32 786 100	30 489 800	30 156 500	-18.72	-1.09
Total	(t)	717 770 261	691 736 459	693 329 990	809 533 047	878 954 445		

Iran

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	28 305 000	33 660 000	34 980 000	36 874 200	37 544 000	32.64	1.82
Chromium	(t)	104 400	103 340	85 620	130 440	85 420	-18.18	-34.51
Manganese	(t)	50 240	63 580	93 940	65 800	90 260	79.66	37.17
Molybdenum	(t)	4 160	3 536	4 150	5 980	7 900	89.90	32.11
Titanium	(t)	4 880	5 000	6 860	19 570	20 100	311.89	2.71
Aluminium	(t)	258 166	424 475	543 715	614 980	614 972	138.21	0.00
Antimony	(t)	330	1 065	1 960	3 890	1 555	371.21	-60.03
Bauxite	(t)	828 788	1 042 325	883 950	955 528	871 073	5.10	-8.84
Copper	(t)	314 143	313 323	313 612	314 995	315 280	0.36	0.09
Lead	(t)	72 500	81 800	74 100	105 500	103 100	42.21	-2.27
Zinc	(t)	209 900	215 200	195 100	228 700	215 900	2.86	-5.60
Gold	(kg)	8 140	6 919	6 990	7 472	8 674	6.56	16.09
Silver	(kg)	80 870	84 000	84 000	87 100	87 100	7.70	0.00
Baryte	(t)	247 207	285 756	297 469	224 626	389 429	57.53	73.37
Bentonite	(t)	761 079	714 684	1 153 283	1 341 023	1 960 421	157.58	46.19
Boron	(t)	2 026	1 495	2 000	2 735	13 250	554.00	384.46
Diatomite	(t)	600	170	5 550	0	1 800	200.00	.
Feldspar	(t)	2 415 368	1 910 505	2 803 515	3 094 356	3 860 951	59.85	24.77
Fluorspar	(t)	54 824	116 159	65 000	62 005	39 321	-28.28	-36.58
Gypsum	(t)	14 750 093	15 124 823	14 322 761	18 406 880	18 895 228	28.10	2.65
Kaolin	(t)	1 813 395	1 923 895	1 348 232	2 600 110	3 026 428	66.89	16.40
Magnesite	(t)	147 760	256 124	248 376	210 513	218 152	47.64	3.63
Perlite	(t)	31 828	52 750	77 024	6 709	69 670	118.90	938.46
Phosphates	(t)	102 230	105 000	83 900	95 430	80 790	-20.97	-15.34
Potash	(t)	37 200	37 000	40 000	40 000	50 000	34.41	25.00
Salt	(t)	2 639 192	3 200 232	3 083 719	3 877 712	4 177 958	58.30	7.74
Sulfur	(t)	2 200 000	2 200 000	2 000 000	2 000 000	864 275	-60.71	-56.79
Talc	(t)	49 650	61 665	74 537	93 535	132 673	167.22	41.84
Steam Coal	(t)	485 000	450 000	318 200	364 200	386 400	-20.33	6.10
Coking Coal	(t)	1 600 000	1 423 900	980 000	1 909 050	1 155 650	-27.77	-39.46
Nat. Gas	(Mio m³)	241 730	248 500	258 850	259 890	266 250	10.14	2.45
Petroleum	(t)	161 695 630	147 675 410	172 187 420	180 244 050	214 298 210	32.53	18.89
Total	(t)	412 569 678	410 253 303	443 354 084	461 804 611	502 490 262		

Abbreviations: see Definitions

Iraq

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	1 000 000	1 000 000	1 000 000	1 100 000	1 100 000	10.00	0.00
Phosphates	(t)	300 000	300 000	0	0	0	-100.00	.
Salt	(t)	270 000	300 000	57 602	60 000	200 000	-25.93	233.33
Sulfur	(t)	40 000	40 000	179 600	180 000	180 000	350.00	0.00
Nat. Gas	(Mio m³)	10 967	7 005	9 107	9 289	9 930	-9.46	6.90
Petroleum	(t)	234 220 100	202 037 850	200 829 370	221 310 150	213 040 760	-9.04	-3.74
Total	(t)	244 603 700	209 281 850	209 352 172	230 081 350	222 464 760		

Ireland

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Lead	(t)	16 053	14 401	13 192	14 181	7 019	-56.28	-50.50
Zinc	(t)	122 463	127 008	112 249	103 264	53 327	-56.45	-48.36
Silver	(kg)	1 578	918	1 342	2 750	998	-36.76	-63.71
Gypsum	(t)	200 000	150 000	110 000	110 000	110 000	-45.00	0.00
Nat. Gas	(Mio m³)	2 390	1 840	1 400	1 290	1 040	-56.49	-19.38
Total	(t)	2 250 518	1 763 410	1 355 442	1 259 448	1 002 347		

Israel

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	72 000	0	35 740	49 062	88 124	22.39	79.62
Phosphates	(t)	898 200	988 800	777 900	694 400	738 900	-17.74	6.41
Potash	(t)	2 043 500	2 415 600	2 379 000	2 446 710	2 341 050	14.56	-4.32
Salt	(t)	301 000	275 200	262 350	297 860	264 691	-12.06	-11.14
Nat. Gas	(Mio m³)	9 035	13 305	16 623	18 910	21 285	135.58	12.56
Oil Shales	(t)	402 882	392 990	430 840	254 425	0	-100.00	-100.00
Petroleum	(t)	84 020	130 427	164 765	187 443	459 211	446.55	144.99
Total	(t)	11 029 602	14 847 017	17 348 995	19 057 900	20 919 976		

Italy

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Bentonite	(t)	82 720	65 989	32 252	102 264	394 391	376.78	285.66
Feldspar	(t)	2 200 000	2 200 000	2 200 000	2 200 000	2 200 000	0.00	0.00
Gypsum	(t)	298 242	163 749	0	847 447	418 061	40.18	-50.67
Kaolin	(t)	250 000	200 000	180 000	200 000	177 221	-29.11	-11.39

Abbreviations: see Definitions

Salt	(t)	1 538 072	1 192 956	1 500 458	1 460 833	1 044 156	-32.11	-28.52
Sulfur	(t)	1 261 100	458 700	613 100	745 200	303 600	-75.93	-59.26
Talc	(t)	160 000	165 000	165 000	180 000	164 000	2.50	-8.89
Nat. Gas	(Mio m³)	4 852	4 117	3 343	3 316	2 988	-38.42	-9.89
Petroleum	(t)	4 279 000	5 393 780	4 840 300	4 459 045	4 241 523	-0.88	-4.88
Total	(t)	13 950 734	13 133 774	12 205 510	12 847 589	11 333 352		

Jamaica

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Bauxite	(t)	9 022 286	7 546 139	5 949 600	4 364 700	5 988 100	-33.63	37.19
Gypsum	(t)	55 000	65 800	65 600	84 500	70 500	28.18	-16.57
Salt	(t)	10 000	10 000	10 000	10 000	10 000	0.00	0.00
Total	(t)	9 087 286	7 621 939	6 025 200	4 459 200	6 068 600		

Japan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Arsenic	(t)	45	40	40	40	40	-11.11	0.00
Bismuth	(t)	540	570	478	480	500	-7.41	4.17
Cadmium	(t)	1 783	1 880	1 900	1 800	1 750	-1.85	-2.78
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	66	66	66	65	-7.14	-1.52
Selenium	(t)	740	740	720	710	680	-8.11	-4.23
Tellurium	(t)	50	70	68	68	65	30.00	-4.41
Gold	(kg)	6 313	7 590	6 225	4 886	4 139	-34.44	-15.29
Silver	(kg)	3 467	4 192	3 339	2 923	2 604	-24.89	-10.91
Bentonite	(t)	250 000	250 000	250 000	176 628	180 000	-28.00	1.91
Kaolin	(t)	12 000	12 000	12 000	12 000	12 000	0.00	0.00
Salt	(t)	903 000	874 000	855 000	897 000	792 000	-12.29	-11.71
Sulfur	(t)	3 259 000	3 140 500	2 995 100	3 197 900	3 017 400	-7.41	-5.64
Talc	(t)	160 000	116 000	135 000	140 000	140 000	-12.50	0.00
Nat. Gas	(Mio m³)	2 524	2 295	2 305	2 148	2 019	-20.01	-6.01
Petroleum	(t)	470 200	461 000	441 200	378 700	355 600	-24.37	-6.10
Total	(t)	7 076 642	6 692 883	6 535 586	6 523 805	6 115 312		

Jordan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	264 724	184 917	399 968	400 000	400 000	51.10	0.00
Kaolin	(t)	11 000	11 000	11 000	11 000	11 000	0.00	0.00
Phosphates	(t)	2 951 470	2 860 140	3 204 880	3 602 500	3 665 250	24.18	1.74
Potash	(t)	1 516 460	1 598 200	1 563 430	1 637 240	1 695 800	11.83	3.58

Abbreviations: see Definitions

Salt	(t)	36 850	39 088	42 359	40 000	40 000	8.55	0.00
Sulfur	(t)	255 060	282 200	316 540	321 440	300 840	17.95	-6.41
Nat. Gas	(Mio m³)	99	150	184	152	174	75.76	14.47
Oil Shales	(t)			0	1 180 000	8 450 000	.	616.10
Petroleum	(t)	1 600	2 500	14 300	12 900	6 000	275.00	-53.49
Total	(t)	5 116 364	5 098 045	5 699 677	7 326 680	14 708 090		

Kazakhstan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	14 278 750	15 105 100	15 966 300	12 567 100	11 893 635	-16.70	-5.36
Chromium	(t)	2 458 800	1 977 900	1 901 500	1 833 900	1 803 200	-26.66	-1.67
Manganese	(t)	230 700	164 300	129 800	136 600	138 500	-39.97	1.39
Molybdenum	(t)	258	384	880	2 089	3 727	1 344.57	78.41
Titanium	(t)	60 000	28 000	20 000	22 000	13 000	-78.33	-40.91
Aluminium	(t)	264 895	265 665	262 361	249 141	260 877	-1.52	4.71
Antimony	(t)	0	400	450	467	400	.	-14.35
Bauxite	(t)	4 118 400	4 057 800	4 370 100	4 175 900	4 559 900	10.72	9.20
Bismuth	(t)	200	270	250	101	100	-50.00	-0.99
Cadmium	(t)	1 200	1 500	1 500	1 000	1 200	0.00	20.00
Copper	(t)	604 970	548 760	511 940	594 050	614 416	1.56	3.43
Lead	(t)	55 700	30 200	29 900	30 000	45 900	-17.59	53.00
Rhenium	(kg)	1 000	1 000	1 000	800	800	-20.00	0.00
Selenium	(t)	10	0	0	0	60	500.00	.
Zinc	(t)	321 900	341 400	318 400	315 100	352 900	9.63	12.00
Gold	(kg)	106 559	116 964	114 843	129 794	131 204	23.13	1.09
Silver	(kg)	1 022 068	1 035 181	1 004 789	1 013 070	894 807	-12.45	-11.67
Asbestos	(t)	210 700	227 400	250 100	250 200	255 300	21.17	2.04
Baryte	(t)	530 600	445 300	1 016 500	650 000	650 000	22.50	0.00
Bentonite	(t)	52 000	59 200	60 000	60 000	65 000	25.00	8.33
Boron	(t)	30 000	30 000	30 000	30 000	0	-100.00	-100.00
Gypsum	(t)	78 200	94 500	184 700	233 100	149 600	91.30	-35.82
Phosphates	(t)	388 540	456 010	426 330	428 040	511 120	31.55	19.41
Salt	(t)	1 094 659	1 237 455	1 231 996	1 678 469	1 859 206	69.84	10.77
Sulfur	(t)	3 834 100	4 378 900	4 587 200	4 310 200	4 742 700	23.70	10.03
Steam Coal	(t)	98 593 000	97 924 100	102 638 500	104 500 100	104 621 500	6.11	0.12
Coking Coal	(t)	10 478 500	10 052 900	8 752 200	7 627 000	6 819 900	-34.92	-10.58
Lignite	(t)	5 929 100	5 422 100	4 827 800	5 664 100	4 982 500	-15.97	-12.03
Nat. Gas	(Mio m³)	33 100	32 810	26 747	27 011	28 769	-13.08	6.51
Petroleum	(t)	90 555 500	85 656 100	85 879 400	84 236 900	89 979 600	-0.64	6.82
Uranium	(t)	26 895	22 967	25 729	25 031	24 895	-7.44	-0.54
Total	(t)	260 678 707	254 777 764	254 822 557	251 230 532	257 365 363		

Abbreviations: see Definitions

Kenya

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)	16 600	13 600	28 500	61 200	44 100	165.66	-27.94
Titanium	(t)	262 660	256 410	254 210	275 290	169 980	-35.29	-38.25
Gold	(kg)	395	150	292	564	410	3.80	-27.30
Diatomite	(t)	921	928	763	1 401	770	-16.40	-45.04
Gypsum	(t)	5 700	5 700	6 000	6 000	6 000	5.26	0.00
Kaolin	(t)	1 000	800	900	1 900	500	-50.00	-73.68
Salt	(t)	13 728	4 703	7 099	23 215	55 091	301.30	137.31
Talc	(t)				0	949	.	.
Vermiculite	(t)	100	0	700	300	600	500.00	100.00
Zircon	(t)	30 440	31 730	28 933	29 715	21 153	-30.51	-28.81
Petroleum	(t)	32 400	41 000	0	0	0	-100.00	.
Total	(t)	363 549	354 871	327 105	399 022	299 143		

Korea, North

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	1 796 400	1 640 800	1 684 000	1 647 800	1 733 600	-3.50	5.21
Molybdenum	(t)	530	100	100	620	350	-33.96	-43.55
Tungsten	(t)	1 130	410	50	1 520	1 600	41.59	5.26
Cadmium	(t)	150	150	150	150	150	0.00	0.00
Copper	(t)	2 000	2 000	2 000	2 000	2 000	0.00	0.00
Lead	(t)	25 000	24 000	25 000	25 000	25 000	0.00	0.00
Zinc	(t)	25 700	25 000	28 000	28 000	28 000	8.95	0.00
Gold	(kg)	10 000	10 000	10 000	10 000	10 000	0.00	0.00
Silver	(kg)	50 000	50 000	50 000	50 000	50 000	0.00	0.00
Baryte	(t)	4 000	4 000	4 000	4 000	4 000	0.00	0.00
Fluorspar	(t)	6 900	6 900	6 000	6 000	6 000	-13.04	0.00
Graphite	(t)	45 000	45 000	30 000	20 000	20 000	-55.56	0.00
Magnesite	(t)	100 000	100 000	80 000	80 000	80 000	-20.00	0.00
Salt	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Sulfur	(t)	10 000	10 000	10 000	10 000	10 000	0.00	0.00
Steam Coal	(t)	20 210 000	19 000 000	15 600 000	16 300 000	17 100 000	-15.39	4.91
Total	(t)	22 326 870	20 958 420	17 569 360	18 225 150	19 110 760		

Korea, South

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	205 410	345 140	323 140	260 400	302 190	47.12	16.05
Molybdenum	(t)	266	411	408	366	339	27.44	-7.38
Titanium	(t)	162 790	158 340	177 420	152 250	110 120	-32.35	-27.67

Abbreviations: see Definitions

Cadmium	(t)	3 950	4 100	4 000	4 000	4 500	13.92	12.50
Gallium	(t)	2	2	2	2	3	50.00	50.00
Indium	(t)	225	210	190	180	180	-20.00	0.00
Lead	(t)	1 930	1 680	1 530	970	240	-87.56	-75.26
Zinc	(t)	4 110	4 250	4 370	3 960	810	-80.29	-79.55
Gold	(kg)	181	170	162	128	43	-76.24	-66.41
Silver	(kg)	5 245	7 203	10 001	7 100	2 322	-55.73	-67.30
Bentonite	(t)	43 886	5 314	34 243	341 335	8 000	-81.77	-97.66
Diatomite	(t)	40 910	65 240	49 616	49 097	120 941	195.63	146.33
Feldspar	(t)	396 898	415 426	987 309	851 046	990 546	149.57	16.39
Graphite	(t)	302	3 052	18 297	23 798	9 615	3 083.77	-59.60
Kaolin	(t)	317 626	393 236	352 003	426 960	332 179	4.58	-22.20
Salt	(t)	261 970	176 247	280 876	260 616	242 050	-7.60	-7.12
Sulfur	(t)	2 000 000	2 000 000	2 000 000	2 000 000	2 000 000	0.00	0.00
Talc	(t)	330 250	315 446	355 104	322 830	306 929	-7.06	-4.93
Steam Coal	(t)	1 084 000	1 019 000	897 900	820 181	645 949	-40.41	-21.24
Nat. Gas	(Mio m³)	248	177	53	0	0	-100.00	.
Petroleum	(t)	21 130	13 990	4 800	2 320	0	-100.00	-100.00
Total	(t)	5 074 060	5 062 691	5 533 618	5 520 318	5 074 593		

Kosovo

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nickel	(t)	3 360	4 150	4 735	300	10	-99.70	-96.67
Lead	(t)	3 960	3 870	5 250	4 734	3 850	-2.78	-18.67
Zinc	(t)	3 050	3 890	3 620	4 108	2 810	-7.87	-31.60
Lignite	(t)	8 063 051	8 537 948	8 535 436	8 253 435	6 923 659	-14.13	-16.11
Total	(t)	8 073 421	8 549 858	8 549 041	8 262 577	6 930 329		

Kuwait

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Salt	(t)	58 600	59 000	60 000	60 000	60 000	2.39	0.00
Sulfur	(t)	623 300	649 800	959 000	1 268 500	1 138 900	82.72	-10.22
Nat. Gas	(Mio m³)	17 516	16 531	15 934	16 818	18 735	6.96	11.40
Petroleum	(t)	147 756 600	134 310 600	134 410 200	148 702 800	144 868 200	-1.95	-2.58
Total	(t)	162 451 300	148 244 200	148 176 400	163 485 700	161 055 100		

Abbreviations: see Definitions

Kyrgyzstan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Antimony	(t)	20	20	0	23	85	325.00	269.57
Copper	(t)	8 640	6 500	8 100	7 500	6 950	-19.56	-7.33
Mercury	(t)	20	20	12	5	6	-70.00	20.00
Gold	(kg)	26 127	24 150	24 870	27 800	24 600	-5.84	-11.51
Silver	(kg)	19 010	16 127	16 549	17 400	15 400	-18.99	-11.49
Gypsum	(t)	150 000	23 019	31 680	120 000	120 000	-20.00	0.00
Kaolin	(t)	15 000	15 000	15 000	4 000	5 000	-66.67	25.00
Salt	(t)	5 605	6 000	6 000	11 000	11 000	96.25	0.00
Steam Coal	(t)	346 500	522 200	570 300	538 500	863 500	149.21	60.35
Lignite	(t)	2 259 500	1 997 500	2 483 600	3 217 200	3 262 300	44.38	1.40
Nat. Gas	(Mio m³)	24	22	22	30	27	12.50	-10.00
Petroleum	(t)	233 100	239 200	275 700	295 100	302 700	29.86	2.58
Total	(t)	3 037 630	2 827 099	3 408 034	4 217 373	4 593 181		

Laos

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	282 180	607 830	2 113 560	1 076 900	2 029 200	619.12	88.43
Antimony	(t)	70	0	240	250	480	585.71	92.00
Bauxite	(t)				0	275 142	.	.
Copper	(t)	140 935	88 163	38 349	43 766	56 309	-60.05	28.66
Lead	(t)	250	90	170	1 800	1 000	300.00	-44.44
Tin	(t)	530	600	890	1 130	790	49.06	-30.09
Zinc	(t)	1 250	860	5 400	18 750	7 100	468.00	-62.13
Gold	(kg)	5 207	5 097	8 742	9 383	8 312	59.63	-11.41
Silver	(kg)	34 443	29 075	26 998	22 685	19 526	-43.31	-13.93
Baryte	(t)	48 600	96 278	37 403	302 709	725 207	1 392.20	139.57
Fluorspar	(t)			0	315	2 716	.	762.22
Gypsum	(t)	606 387	737 749	1 221 959	1 589 771	1 252 577	106.56	-21.21
Potash	(t)	286 900	442 500	507 600	920 000	2 050 800	614.81	122.91
Salt	(t)	10 079	3 951	6 846	188	3 538	-64.90	1 781.91
Steam Coal	(t)	161 494	320 231	698 521	1 270 812	3 644 064	2 156.47	186.75
Lignite	(t)	15 263 562	14 366 628	13 618 072	15 358 322	15 255 113	-0.06	-0.67
Total	(t)	16 802 276	16 664 914	18 249 046	20 584 745	25 304 064		

Latvia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	318 450	359 190	383 990	0	348 070	9.30	.
Total	(t)	318 450	359 190	383 990	0	348 070		

Abbreviations: see Definitions

Lebanon

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
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		

Lesotho

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Diam. (Gem)	(ct)	1 113 526	481 243	339 452	548 150	471 745	-57.64	-13.94
Total	(t)	0	0	0	0	0		

Liberia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	2 657 200	2 924 600	2 520 000	2 640 000	2 160 000	-18.71	-18.18
Gold	(kg)	5 068	4 396	7 860	11 718	13 639	169.12	16.39
Diam. (Gem)	(ct)	33 560	32 760	37 820	26 590	27 290	-18.68	2.63
Diam. (Ind)	(ct)	22 370	21 840	25 210	28 800	29 560	32.14	2.64
Total	(t)	2 657 205	2 924 604	2 520 008	2 640 012	2 160 014		

Libya

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	200 000	200 000	200 000	300 000	300 000	50.00	0.00
Salt	(t)	30 000	30 000	40 000	40 000	50 000	66.67	25.00
Sulfur	(t)	169 500	133 300	139 000	139 500	138 200	-18.47	-0.93
Nat. Gas	(Mio m³)	26 830	20 930	13 010	12 570	12 270	-54.27	-2.39
Petroleum	(t)	57 738 100	19 437 000	60 084 200	52 759 520	59 129 400	2.41	12.07
Total	(t)	79 601 600	36 544 300	70 871 200	63 295 020	69 433 600		

Lithuania

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Sulfur	(t)	86 040	71 250	72 990	64 497	54 538	-36.61	-15.44
Petroleum	(t)	39 570	31 630	28 920	27 040	24 775	-37.39	-8.38
Total	(t)	125 610	102 880	101 910	91 537	79 313		

Abbreviations: see Definitions

Madagascar

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	37 300	6 100	6 600	10 800	33 700	-9.65	212.04
Cobalt	(t)	2 897	833	2 111	3 428	3 387	16.91	-1.20
Nickel	(t)	33 736	9 908	29 285	35 737	36 085	6.96	0.97
Titanium	(t)	252 200	280 600	354 800	296 300	308 800	22.44	4.22
Beryllium	(t)	30	30	30	20	20	-33.33	0.00
Rare Earths	(t)	3 200	4 300	3 900	3 500	4 000	25.00	14.29
Gold	(kg)	2 423	1 779	2 000	2 000	2 000	-17.46	0.00
Graphite	(t)	45 106	61 405	127 562	114 634	60 720	34.62	-47.03
Salt	(t)	110 000	110 000	110 000	120 000	100 000	-9.09	-16.67
Zircon	(t)	29 473	26 029	23 109	30 701	34 376	16.64	11.97
Total	(t)	513 944	499 207	657 399	615 122	581 090		

Malawi

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	1 800	3 010	2 990	590	380	-78.89	-35.59
Gold	(kg)		0	55	70	60	.	-14.29
Phosphates	(t)	300	0	0	0	0	-100.00	.
Steam Coal	(t)	54 728	54 876	30 251	62 166	64 251	17.40	3.35
Total	(t)	56 828	57 886	33 241	62 756	64 631		

Malaysia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	2 621 100	3 383 990	3 070 930	3 094 320	3 046 990	16.25	-1.53
Manganese	(t)	474 910	365 340	280 790	312 720	151 000	-68.20	-51.71
Tantalum	(t)	2	1	1	4	4	100.00	0.00
Titanium	(t)	6 930	6 280	13 470	21 180	15 600	125.11	-26.35
Aluminium	(t)	760 000	980 700	901 000	960 000	950 000	25.00	-1.04
Bauxite	(t)	900 561	594 715	47 577	129 825	576 770	-35.95	344.27
Lead	(t)			0	332	1 950	.	487.35
Rare Earths	(t)	70	10	30	310	300	328.57	-3.23
Tin	(t)	3 611	2 963	3 013	3 521	3 767	4.32	6.99
Zinc	(t)			0	412	1 981	.	380.83
Gold	(kg)	3 151	1 716	1 781	1 828	1 584	-49.73	-13.35
Silver	(kg)	686	423	672	414	6 726	880.47	1 524.64
Feldspar	(t)	241 189	144 487	168 570	216 394	220 000	-8.79	1.67
Kaolin	(t)	400 722	336 565	228 605	236 840	290 366	-27.54	22.60
Zircon	(t)	449	157	1 518	768	800	78.17	4.17

Abbreviations: see Definitions

Steam Coal	(t)	3 459 122	2 978 248	3 110 605	3 405 847	4 052 344	17.15	18.98
Nat. Gas	(Mio m ³)	68 700	63 370	67 520	71 850	72 140	5.01	0.40
Petroleum	(t)	30 384 800	27 679 100	25 169 300	26 261 170	25 752 770	-15.24	-1.94
Total	(t)	94 213 470	87 168 558	87 011 412	92 123 645	92 776 651		

Mali

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	66 739	71 200	69 400	72 200	72 600	8.78	0.55
Silver	(kg)	3 000	3 000	3 000	3 000	3 000	0.00	0.00
Total	(t)	70	74	72	75	76		

Malta

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Salt	(t)	2 000	2 000	2 000	2 000	2 000	0.00	0.00
Total	(t)	2 000	2 000	2 000	2 000	2 000		

Mauritania

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	8 013 100	8 243 500	8 185 200	8 465 400	9 155 700	14.26	8.15
Copper	(t)	29 620	28 491	18 846	13 313	13 014	-56.06	-2.25
Gold	(kg)	13 554	14 125	6 499	17 711	20 129	48.51	13.65
Gypsum	(t)	130 000	120 000	70 000	120 000	120 000	-7.69	0.00
Total	(t)	8 172 734	8 392 005	8 274 052	8 598 731	9 288 734		

Mauritius

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Salt	(t)	570	556	793	674	249	-56.32	-63.06
Total	(t)	570	556	793	674	249		

Abbreviations: see Definitions

Mexico

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	10 331 270	10 774 600	13 430 600	10 963 300	14 183 500	37.29	29.37
Manganese	(t)	232 957	258 045	225 703	220 745	225 211	-3.33	2.02
Molybdenum	(t)	21 694	20 577	19 894	19 329	28 313	30.51	46.48
Tungsten	(t)	15	32	50	50	50	233.33	0.00
Antimony	(t)	289	136	413	632	576	99.31	-8.86
Bismuth	(t)	251	0	0	0	0	-100.00	.
Cadmium	(t)	952	978	1 051	1 174	1 021	7.25	-13.03
Copper	(t)	713 704	800 316	782 136	828 189	778 839	9.13	-5.96
Lead	(t)	372 106	468 486	272 231	428 971	373 609	0.40	-12.91
Mercury	(t)	50	70	40	20	10	-80.00	-50.00
Selenium	(t)	127	106	135	141	139	9.45	-1.42
Zinc	(t)	859 194	1 008 252	742 926	876 985	744 285	-13.37	-15.13
Gold	(kg)	133 893	142 787	133 340	147 700	131 842	-1.53	-10.74
Silver	(kg)	7 485 602	7 424 554	6 492 180	7 067 580	7 277 840	-2.78	2.97
Baryte	(t)	415 180	480 954	320 642	498 225	482 302	16.17	-3.20
Bentonite	(t)	24 321	79 219	0	0	0	-100.00	.
Diatomite	(t)	129 274	144 105	140 928	107 062	102 906	-20.40	-3.88
Feldspar	(t)	516 196	903 385	390 076	425 240	383 444	-25.72	-9.83
Fluorspar	(t)	1 231 465	914 597	1 007 118	1 000 626	1 162 591	-5.59	16.19
Graphite	(t)	2 342	2 033	1 509	3 420	3 124	33.39	-8.65
Gypsum	(t)	7 759 139	7 977 953	9 157 381	8 283 113	9 786 105	26.12	18.15
Kaolin	(t)	246 645	236 033	223 332	227 798	159 570	-35.30	-29.95
Magnesite	(t)	800	0	0	0	0	-100.00	.
Perlite	(t)	24 497	0	28 800	0	0	-100.00	.
Phosphates	(t)	249 520	91 240	145 050	132 510	125 700	-49.62	-5.14
Salt	(t)	8 845 239	9 084 859	7 001 505	7 914 780	7 686 773	-13.10	-2.88
Sulfur	(t)	364 967	315 935	219 439	290 121	216 900	-40.57	-25.24
Talc	(t)	7 202	29 122	36 465	34 630	20 534	185.12	-40.70
Vermiculite	(t)	148	104	0	0	76	-48.65	.
Steam Coal	(t)	5 316 000	3 357 000	4 312 000	4 300 000	531 904	-89.99	-87.63
Coking Coal	(t)	3 275 000	3 897 000	1 319 000	1 300 000	1 000 000	-69.47	-23.08
Nat. Gas (Mio m³)		29 370	28 580	27 160	28 630	27 210	-7.35	-4.96
Petroleum	(t)	94 161 830	93 860 550	94 785 920	95 765 300	100 526 200	6.76	4.97
Total	(t)	158 605 994	157 577 255	156 298 969	156 533 577	160 299 092		

Moldova

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	276 400	292 600	307 900	270 200	180 800	-34.59	-33.09
Petroleum	(t)	5 032	5 032	4 972	4 652	4 316	-14.23	-7.22
Total	(t)	281 432	297 632	312 872	274 852	185 116		

Abbreviations: see Definitions

Mongolia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	4 800 430	5 165 660	5 136 260	4 289 540	2 987 500	-37.77	-30.35
Molybdenum	(t)	2 490	2 890	2 975	2 780	2 650	6.43	-4.68
Tungsten	(t)	370	35	120	236	324	-12.43	37.29
Copper	(t)	290 980	291 010	303 030	268 930	313 270	7.66	16.49
Lead	(t)	13 500	14 273	10 940	9 500	8 500	-37.04	-10.53
Tin	(t)	20	0	11	46	16	-20.00	-65.22
Zinc	(t)	41 550	61 564	55 344	61 900	60 300	45.13	-2.58
Gold	(kg)	16 235	20 226	19 054	19 383	14 855	-8.50	-23.36
Silver	(kg)	79 864	77 762	79 035	73 476	73 000	-8.59	-0.65
Fluorspar	(t)	699 400	678 900	644 270	387 740	492 500	-29.58	27.02
Gypsum	(t)	107 100	97 900	111 400	111 500	112 000	4.58	0.45
Salt	(t)	533	2 624	1 796	1 343	1 780	233.96	32.54
Steam Coal	(t)	6 683 100	5 394 200	4 638 214	5 844 344	13 440 980	101.12	129.98
Coking Coal	(t)	28 962 970	25 821 930	23 140 390	25 352 470	51 319 850	77.19	102.43
Lignite	(t)	8 053 080	6 657 650	4 905 426	5 595 828	11 283 860	40.12	101.65
Petroleum	(t)	937 900	560 000	636 600	349 900	666 800	-28.91	90.57
Uranium	(t)	0	1	4	0	0	.	.
Total	(t)	50 593 519	44 748 735	39 586 878	42 276 149	80 690 418		

Montenegro

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	36 522	37 208	45 214	43 196	21 778	-40.37	-49.58
Bauxite	(t)	774 725	791 813	526 760	438 205	526 523	-32.04	20.15
Lead	(t)	3 480	640	0	1 350	3 710	6.61	174.81
Zinc	(t)	9 520	10 130	9 360	8 070	7 640	-19.75	-5.33
Lignite	(t)	1 605 200	1 665 449	1 548 612	1 722 535	1 862 150	16.01	8.11
Total	(t)	2 429 447	2 505 240	2 129 946	2 213 356	2 421 801		

Morocco

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	7 150	14 090	8 870	4 820	5 220	-26.99	8.30
Cobalt	(t)	2 397	2 416	1 796	1 690	1 506	-37.17	-10.89
Manganese	(t)	35 600	42 050	41 250	44 640	41 850	17.56	-6.25
Nickel	(t)	131	142	147	157	130	-0.76	-17.20
Arsenic	(t)	5 055	7 694	6 883	5 450	7 700	52.32	41.28
Copper	(t)	30 720	31 750	50 340	31 030	31 590	2.83	1.80
Lead	(t)	32 770	38 190	31 340	36 050	26 310	-19.71	-27.02
Mercury	(t)	2	2	2	2	2	0.00	0.00
Zinc	(t)	43 570	35 810	40 230	34 870	36 320	-16.64	4.16

Abbreviations: see Definitions

Gold	(kg)	221	143	147	167	104	-52.94	-37.72
Silver	(kg)	216 580	189 220	194 360	203 240	231 700	6.98	14.00
Baryte	(t)	1 119 811	501 939	840 486	925 905	931 332	-16.83	0.59
Bentonite	(t)	188 081	92 387	134 340	135 600	89 274	-52.53	-34.16
Feldspar	(t)	101 947	185 772	427 387	587 289	773 761	658.98	31.75
Fluorspar	(t)	73 244	83 833	189 012	77 035	101 369	38.40	31.59
Gypsum	(t)	120 000	120 000	120 000	120 000	116 471	-2.94	-2.94
Phosphates	(t)	11 267 500	11 959 000	12 176 200	9 728 000	9 158 800	-18.71	-5.85
Salt	(t)	854 397	490 896	295 741	652 578	559 149	-34.56	-14.32
Nat. Gas	(Mio m ³)	99	98	110	77	51	-48.48	-33.77
Petroleum	(t)	4 335	4 098	3 246	2 394	2 102	-51.51	-12.20
Total	(t)	13 966 127	13 688 658	14 455 464	12 449 313	11 923 918		

Mozambique

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Niobium	(t)	11	17	14	17	16	45.45	-5.88
Tantalum	(t)	59	94	75	84	82	38.98	-2.38
Titanium	(t)	786 900	874 000	1 126 800	1 387 200	1 829 500	132.49	31.88
Aluminium	(t)	564 756	571 125	564 756	587 200	516 484	-8.55	-12.04
Bauxite	(t)	8 024	6 491	7 852	14 583	5 481	-31.69	-62.42
Beryllium	(t)	45	80	330	531	882	1 860.00	66.10
Gold	(kg)	430	488	764	1 264	1 666	287.44	31.80
Bentonite	(t)	77 734	80 189	118 692	113 985	71 593	-7.90	-37.19
Diatomite	(t)	72 439	35 257	72 914	51 449	29 633	-59.09	-42.40
Graphite	(t)	153 000	18 159	77 116	165 932	97 346	-36.38	-41.33
Salt	(t)	50 740	38 377	34 453	13 482	10 406	-79.49	-22.82
Zircon	(t)	121 768	104 076	123 011	134 082	143 505	17.85	7.03
Steam Coal	(t)	4 983 146	3 370 585	5 346 781	8 420 436	7 763 290	55.79	-7.80
Coking Coal	(t)	5 356 390	4 670 626	5 732 902	6 385 797	7 212 589	34.65	12.95
Nat. Gas	(Mio m ³)	4 597	4 541	4 600	4 766	11 751	155.62	146.56
Petroleum	(t)	41 250	38 350	36 330	45 930	219 770	432.78	378.49
Total	(t)	15 893 862	13 440 226	16 922 027	21 133 509	27 301 379		

Myanmar

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)	429 000	254 000	206 100	207 100	234 000	-45.45	12.99
Nickel	(t)	14 200	22 000	18 100	9 600	5 100	-64.08	-46.88
Tungsten	(t)	130	80	40	30	30	-76.92	0.00
Antimony	(t)	4 800	6 600	2 870	3 230	2 360	-50.83	-26.93
Copper	(t)	219 200	196 500	98 000	1 500	2 170	-99.01	44.67
Lead	(t)	35 090	27 000	12 900	16 000	21 650	-38.30	35.31
Rare Earths	(t)	17 100	21 000	27 100	17 550	56 850	232.46	223.93
Tin	(t)	38 900	33 440	33 950	40 500	41 950	7.84	3.58
Zinc	(t)	13 680	11 310	6 200	10 600	8 980	-34.36	-15.28

Abbreviations: see Definitions

Gold	(kg)	267	871	773	506	510	91.01	0.79
Baryte	(t)	12 439	2 642	2 220	32 089	29 300	135.55	-8.69
Bentonite	(t)	0	500	500	0	0	.	.
Gypsum	(t)	299 316	258 620	51 240	96 246	360 000	20.27	274.04
Salt	(t)	213 319	229 755	161 774	138 413	200 000	-6.24	44.50
Steam Coal	(t)	1 325 586	1 283 428	992 159	1 179 400	1 880 000	41.82	59.40
Lignite	(t)	785 480	760 498	587 906	698 900	1 120 000	42.59	60.25
Nat. Gas (Mio m³)		18 810	18 270	17 680	17 150	14 700	-21.85	-14.29
Petroleum	(t)	429 000	572 200	309 800	295 500	298 900	-30.33	1.15
Total	(t)	18 885 240	18 295 574	16 654 860	16 466 659	16 021 291		

Namibia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	8 400	27 570	51 490	0	5 400	-35.71	.
Manganese	(t)	14 660	11 860	10 250	10 600	13 800	-5.87	30.19
Copper	(t)	14 940	15 741	950	0	752	-94.97	.
Lead	(t)	6 320	8 890	10 130	12 240	10 990	73.89	-10.21
Tin	(t)	7	242	492	533	876	12 414.29	64.35
Zinc	(t)	124 630	62 260	41 180	38 400	35 621	-71.42	-7.24
Gold	(kg)	7 016	6 718	7 648	7 438	9 800	39.68	31.76
Silver	(kg)	7 765	7 520	5 847	5 200	5 000	-35.61	-3.85
Diam. (Gem)	(ct)	1 722 830	1 428 445	1 446 964	2 078 670	2 266 020	31.53	9.01
Diam. (Ind)	(ct)	90 675	75 180	76 156	109 405	119 265	31.53	9.01
Salt	(t)	983 354	987 872	926 677	1 022 448	1 154 116	17.37	12.88
Sulfur	(t)	72 920	81 500	118 150	161 120	120 250	64.91	-25.37
Uranium	(t)	6 459	6 382	6 784	6 617	8 238	27.54	24.50
Total	(t)	1 231 705	1 202 332	1 166 117	1 251 970	1 350 058		

Nauru

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Phosphates	(t)	30 600	39 400	102 500	97 500	54 400	77.78	-44.21
Total	(t)	30 600	39 400	102 500	97 500	54 400		

Nepal

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	120	770	0	0	0	-100.00	.
Lead	(t)	0	1 800	5 550	0	0	.	.
Talc	(t)	7 813	4 931	4 450	2 088	4 123	-47.23	97.46

Abbreviations: see Definitions

Steam Coal	(t)	7 184	7 250	10 714	6 803	2 805	-60.95	-58.77
Total	(t)	15 117	14 751	20 714	8 891	6 928		

Netherlands

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	81 100	70 600	46 700	0	0	-100.00	.
Cadmium	(t)	860	880	854	574	726	-15.58	26.48
Salt	(t)	5 913 782	5 712 038	6 201 542	5 893 118	4 883 185	-17.43	-17.14
Nat. Gas	(Mio m³)	31 534	22 835	20 413	16 968	11 186	-64.53	-34.08
Petroleum	(t)	892 600	862 200	864 000	482 704	404 894	-54.64	-16.12
Total	(t)	32 115 542	24 913 718	23 443 496	19 950 796	14 237 605		

New Caledonia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Cobalt	(t)	1 703	2 197	1 500	1 770	2 300	35.06	29.94
Nickel	(t)	208 185	199 375	186 284	199 951	233 375	12.10	16.72
Total	(t)	209 888	201 572	187 784	201 721	235 675		

New Zealand

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	1 915 000	2 260 000	2 200 000	2 280 000	1 480 000	-22.72	-35.09
Aluminium	(t)	351 481	333 314	333 135	335 871	333 869	-5.01	-0.60
Gold	(kg)	8 217	5 860	5 815	6 674	6 844	-16.71	2.55
Silver	(kg)	4 060	1 393	3 055	3 922	5 554	36.80	41.61
Bentonite	(t)	500	500	500	500	500	0.00	0.00
Kaolin	(t)	50 569	50 000	55 000	55 000	50 000	-1.13	-9.09
Salt	(t)	76 000	66 000	30 000	0	70 000	-7.89	.
Steam Coal	(t)	1 545 230	1 482 000	1 448 565	1 292 541	1 213 841	-21.45	-6.09
Coking Coal	(t)	1 200 900	1 038 970	1 134 310	1 068 687	1 110 810	-7.50	3.94
Lignite	(t)	287 830	297 690	284 735	276 248	275 433	-4.31	-0.30
Nat. Gas	(Mio m³)	4 608	4 508	3 945	3 694	3 804	-17.45	2.98
Petroleum	(t)	1 128 870	964 420	840 780	736 140	811 520	-28.11	10.24
Total	(t)	10 242 792	10 099 301	9 483 034	9 000 198	8 389 186		

Abbreviations: see Definitions

Nicaragua

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	9 190	8 087	11 144	11 549	13 330	45.05	15.42
Silver	(kg)	17 362	20 411	21 460	21 697	36 500	110.23	68.23
Gypsum	(t)	39 925	64 573	19 999	39 865	53 110	33.02	33.22
Salt	(t)	55 000	55 000	55 000	55 000	50 000	-9.09	-9.09
Total	(t)	94 951	119 601	75 031	94 899	103 159		

Niger

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	5 224	2 361	4 010	4 605	2 534	-51.49	-44.97
Silver	(kg)	100	120	87	100	100	0.00	0.00
Steam Coal	(t)	225 920	246 880	105 760	235 328	193 632	-14.29	-17.72
Petroleum	(t)	903 400	855 500	873 100	778 100	897 300	-0.68	15.32
Uranium	(t)	3 516	3 527	2 691	2 382	1 332	-62.12	-44.08
Total	(t)	1 132 841	1 105 909	981 555	1 015 815	1 092 267		

Nigeria

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	18 300	2 400	1 300	6 700	15 900	-13.11	137.31
Manganese	(t)	1 000	5 850	22 380	21 850	16 300	1 530.00	-25.40
Niobium	(t)	170	80	140	145	185	8.82	27.59
Tantalum	(t)	120	80	160	150	190	58.33	26.67
Titanium	(t)			0	1 700	14 100	.	729.41
Tungsten	(t)	15	18	24	52	26	73.33	-50.00
Beryllium	(t)	1	2	0	172	189	18 800.00	9.88
Lead	(t)	23 550	20 100	45 500	52 400	41 500	76.22	-20.80
Lithium	(t)	10	0	20	190	930	9 200.00	389.47
Rare Earths	(t)		30	100	380	390	.	2.63
Tin	(t)	6 900	5 970	6 890	8 340	7 680	11.30	-7.91
Zinc	(t)	23 220	26 620	32 220	55 650	33 270	43.28	-40.22
Gold	(kg)	9 000	1 520	2 000	3 048	2 632	-70.76	-13.65
Silver	(kg)			0	166	277	.	66.87
Baryte	(t)	370	544	1 560	1 170	30	-91.89	-97.44
Feldspar	(t)	33 702	19 453	43 997	37 250	76 575	127.21	105.57
Fluorspar	(t)	4 730	17 557	39 087	25 900	23 960	406.55	-7.49
Gypsum	(t)	22 142	30 706	21 346	183 628	45 235	104.30	-75.37
Kaolin	(t)	8 649	7 033	41 020	70 396	29 843	245.05	-57.61
Talc	(t)	6 630	8 404	65 061	2 777	64 400	871.34	2 219.05
Zircon	(t)	1 000	242	3 033	4 705	4 980	398.00	5.84

Abbreviations: see Definitions

Steam Coal	(t)	543 424	747 979	1 444 139	1 505 197	481 692	-11.36	-68.00
Nat. Gas	(Mio m³)	49 280	49 950	48 570	44 300	42 930	-12.89	-3.09
Petroleum	(t)	100 287 000	91 504 570	77 220 000	68 607 900	73 213 100	-27.00	6.71
Total	(t)	140 404 942	132 357 640	117 843 979	106 026 655	108 414 478		

North Macedonia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Copper	(t)	7 231	6 625	6 810	7 595	7 940	9.81	4.54
Lead	(t)	43 490	44 930	42 870	41 600	43 930	1.01	5.60
Zinc	(t)	31 040	31 750	30 070	29 730	27 880	-10.18	-6.22
Gold	(kg)	593	448	470	600	600	1.18	0.00
Silver	(kg)	15 620	16 090	15 470	15 260	16 120	3.20	5.64
Bentonite	(t)	682	2 196	1 277	0	0	-100.00	.
Feldspar	(t)	29 519	13 115	26 625	35 815	34 591	17.18	-3.42
Gypsum	(t)	267 181	229 322	273 497	190 902	274 403	2.70	43.74
Lignite	(t)	5 066 083	4 532 745	4 758 504	5 592 335	4 091 133	-19.24	-26.84
Total	(t)	5 445 243	4 860 699	5 139 668	5 897 993	4 479 894		

Norway

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	1 069 700	1 014 700	1 057 500	1 109 400	1 166 600	9.06	5.16
Molybdenum	(t)	1	1	1	1	0	-100.00	-100.00
Nickel	(t)	135	120	350	190	220	62.96	15.79
Titanium	(t)	211 280	229 780	295 610	252 990	290 660	37.57	14.89
Aluminium	(t)	1 312 000	1 339 330	1 430 183	1 424 571	1 321 229	0.70	-7.25
Cadmium	(t)	370	344	390	420	420	13.51	0.00
Bentonite	(t)	0	0	12 803	0	0	.	.
Feldspar	(t)	80 000	69 000	60 000	60 000	45 020	-43.73	-24.97
Graphite	(t)	9 780	5 549	6 293	10 380	6 483	-33.71	-37.54
Gypsum	(t)	102 100	93 602	92 794	86 317	0	-100.00	-100.00
Salt	(t)	10 000	5 300	13 000	13 000	0	-100.00	-100.00
Sulfur	(t)	90 000	86 000	89 000	81 000	82 000	-8.89	1.23
Steam Coal	(t)	117 000	63 000	121 000	118 000	119 745	2.35	1.48
Nat. Gas	(Mio m³)	115 162	112 326	115 201	124 210	117 322	1.88	-5.55
Petroleum	(t)	79 521 500	93 181 400	95 000 900	89 964 300	95 700 400	20.35	6.38
Total	(t)	174 653 466	185 948 926	190 340 624	192 488 569	192 590 377		

Abbreviations: see Definitions

Oman

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	293 040	182 720	195 540	175 050	150 800	-48.54	-13.85
Manganese	(t)	12 500	3 200	3 300	3 000	3 300	-73.60	10.00
Aluminium	(t)	390 515	396 929	395 360	394 780	397 530	1.80	0.70
Gypsum	(t)	10 982 900	11 120 200	13 538 800	10 591 600	13 253 100	20.67	25.13
Kaolin	(t)	34 100	58 300	35 350	0	0	-100.00	.
Salt	(t)	15 003	11 700	10 142	11 500	7 300	-51.34	-36.52
Sulfur	(t)	79 140	80 830	87 765	87 160	80 060	1.16	-8.15
Nat. Gas	(Mio m ³)	37 460	37 020	39 750	41 740	43 160	15.22	3.40
Petroleum	(t)	48 339 100	47 374 500	48 353 500	52 982 500	52 209 900	8.01	-1.46
Total	(t)	90 114 298	88 844 379	94 419 757	97 637 590	100 629 990		

Pakistan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	238 440	218 000	306 160	272 570	143 250	-39.92	-47.44
Chromium	(t)	55 300	48 570	56 050	78 000	62 250	12.57	-20.19
Manganese	(t)	190	180	50	200	210	10.53	5.00
Antimony	(t)	0	17	33	0	40	.	.
Bauxite	(t)	92 936	101 047	97 495	56 300	60 000	-35.44	6.57
Copper	(t)	13 049	13 200	18 806	16 346	17 042	30.60	4.26
Lead	(t)	8 090	7 094	7 277	8 886	7 838	-3.11	-11.79
Zinc	(t)	37 365	35 054	35 391	42 349	41 295	10.52	-2.49
Baryte	(t)	116 480	55 341	51 553	127 600	140 970	21.03	10.48
Bentonite	(t)	48 332	107 742	59 744	45 000	45 000	-6.89	0.00
Feldspar	(t)	295 381	343 075	451 985	413 000	415 000	40.50	0.48
Fluorspar	(t)	4 186	5 981	7 841	9 200	9 200	119.78	0.00
Gypsum	(t)	2 517 825	2 149 873	2 527 215	2 325 400	1 639 730	-34.88	-29.49
Kaolin	(t)	20 756	14 919	12 309	17 000	14 130	-31.92	-16.88
Magnesite	(t)	42 996	16 165	15 120	5 886	4 954	-88.48	-15.83
Phosphates	(t)	17 320	15 790	21 640	32 000	27 000	55.89	-15.63
Salt	(t)	4 012 304	3 483 732	3 592 205	2 896 000	3 107 500	-22.55	7.30
Sulfur	(t)	20 715	19 948	19 398	16 288	11 692	-43.56	-28.22
Talc	(t)	158 109	150 009	289 423	301 400	164 200	3.85	-45.52
Steam Coal	(t)	5 406 878	8 599 166	9 229 377	9 678 000	15 069 760	178.71	55.71
Nat. Gas	(Mio m ³)	40 679	37 283	36 224	35 035	33 683	-17.20	-3.86
Petroleum	(t)	4 433 150	3 832 330	3 760 980	3 656 900	3 459 800	-21.96	-5.39
Uranium	(t)	53	53	53	53	53	0.00	0.00
Total	(t)	50 083 055	49 043 686	49 539 305	48 026 378	51 387 314		

Abbreviations: see Definitions

Panama

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Copper	(t)	147 480	205 548	331 000	350 438	330 863	124.34	-5.59
Gold	(kg)	1 869	2 633	4 405	4 347	4 039	116.10	-7.09
Silver	(kg)	35 217	49 628	78 419	87 498	84 737	140.61	-3.16
Salt	(t)	27 389	24 958	23 593	22 742	30 004	9.55	31.93
Total	(t)	174 906	230 559	354 675	373 271	360 956		

Papua New Guinea

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	52 010	51 560	53 830	78 340	67 500	29.78	-13.84
Cobalt	(t)	2 915	2 941	2 955	2 987	3 072	5.39	2.85
Nickel	(t)	33 091	33 659	31 594	34 302	33 604	1.55	-2.03
Copper	(t)	99 432	82 403	66 958	76 135	90 490	-8.99	18.85
Gold	(kg)	71 050	52 265	39 135	42 310	41 540	-41.53	-1.82
Silver	(kg)	162 630	129 695	103 210	88 170	136 530	-16.05	54.85
Nat. Gas	(Mio m³)	3 339	3 325	3 400	5 736	5 616	68.19	-2.09
Petroleum	(t)	1 889 900	1 960 100	1 842 600	1 669 400	1 458 200	-22.84	-12.65
Total	(t)	4 748 782	4 790 845	4 718 079	6 450 094	6 145 845		

Paraguay

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
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

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	9 666 412	8 893 972	12 149 274	12 936 826	12 986 023	34.34	0.38
Manganese	(t)	18 814	10 120	11 391	1 169	1 327	-92.95	13.52
Molybdenum	(t)	30 441	32 185	34 148	31 588	33 476	9.97	5.98
Arsenic	(t)	24 915	19 014	21 877	25 379	31 162	25.07	22.79
Bismuth	(t)	73	74	247	251	304	316.44	21.12
Cadmium	(t)	772	451	636	460	494	-36.01	7.39
Copper	(t)	2 437 925	2 150 126	2 326 035	2 445 271	2 755 244	13.02	12.68
Indium	(t)	7	7	7	0	0	-100.00	.
Lead	(t)	307 021	241 548	264 427	255 443	273 335	-10.97	7.00

Abbreviations: see Definitions

Selenium	(t)	56	53	48	57	50	-10.71	-12.28
Tin	(t)	19 853	20 647	26 995	28 231	26 230	32.12	-7.09
Zinc	(t)	1 382 753	1 334 570	1 533 135	1 369 649	1 469 127	6.25	7.26
Gold	(kg)	113 586	85 368	97 493	96 966	100 986	-11.09	4.15
Silver	(kg)	3 706 760	2 721 461	3 333 632	3 084 039	3 041 394	-17.95	-1.38
Baryte	(t)	16 373	5 242	10 361	29 293	11 824	-27.78	-59.64
Bentonite	(t)	46 887	25 532	56 199	22 931	24 783	-47.14	8.08
Boron	(t)	111 108	43 645	246 362	292 986	259 424	133.49	-11.46
Diatomite	(t)	91 103	85 406	94 860	104 660	98 872	8.53	-5.53
Feldspar	(t)	29 134	24 132	27 274	24 358	14 111	-51.57	-42.07
Gypsum	(t)	254 382	171 093	435 459	315 292	338 598	33.11	7.39
Kaolin	(t)	9 208	12 536	13 142	14 300	11 876	28.97	-16.95
Phosphates	(t)	1 331 000	1 031 300	1 293 100	1 314 600	1 430 400	7.47	8.81
Salt	(t)	1 266 347	1 030 598	1 175 828	1 093 559	1 008 624	-20.35	-7.77
Sulfur	(t)	511 500	474 500	529 900	588 300	603 600	18.01	2.60
Talc	(t)	43 974	37 938	50 355	49 869	53 894	22.56	8.07
Steam Coal	(t)	181 023	131 516	144 579	192 094	233 364	28.91	21.48
Nat. Gas (Mio m³)		13 429	12 030	11 375	13 705	14 632	8.96	6.76
Petroleum	(t)	6 956 200	6 221 400	5 949 800	5 835 100	5 757 700	-17.23	-1.33
Total	(t)	35 484 302	31 624 411	35 498 870	37 938 847	39 132 584		

Philippines

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	0	25 700	40 900	45 500	84 700	.	86.15
Chromium	(t)	14 570	14 040	12 290	34 870	40 780	179.89	16.95
Cobalt	(t)	3 750	3 600	3 200	3 400	3 300	-12.00	-2.94
Nickel	(t)	323 325	328 911	386 359	345 200	389 000	20.31	12.69
Copper	(t)	71 892	60 856	51 589	59 511	61 981	-13.79	4.15
Selenium	(t)	100	100	200	200	300	200.00	50.00
Gold	(kg)	20 687	21 030	25 297	29 036	31 046	50.07	6.92
Silver	(kg)	31 267	24 024	30 856	56 227	46 160	47.63	-17.90
Bentonite	(t)	13 050	4 720	6 059	22 603	26 556	103.49	17.49
Feldspar	(t)	47 000	47 000	47 000	47 000	47 000	0.00	0.00
Kaolin	(t)	15 000	40 200	27 700	18 612	21 780	45.20	17.02
Magnesite	(t)	40	0	0	0	0	-100.00	.
Perlite	(t)	6 608	0	4 631	24 878	18 384	178.21	-26.10
Phosphates	(t)	200	200	0	0	570	185.00	.
Salt	(t)	200 000	200 000	100 000	60 000	100 000	-50.00	66.67
Sulfur	(t)	716 100	575 900	625 500	88 200	100 000	-86.04	13.38
Steam Coal	(t)	15 273 525	13 190 000	14 293 000	16 094 000	16 560 000	8.42	2.90
Nat. Gas (Mio m³)		4 409	4 013	3 429	3 217	2 526	-42.71	-21.48
Petroleum	(t)	652 300	572 100	486 800	445 300	328 100	-49.70	-26.32
Total	(t)	20 864 712	18 273 772	18 828 484	19 862 959	19 803 328		

Abbreviations: see Definitions

Poland

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nickel	(t)	755	710	740	830	750	-0.66	-9.64
Cadmium	(t)	199	485	292	0	0	-100.00	.
Copper	(t)	398 900	392 700	391 300	392 500	395 400	-0.88	0.74
Lead	(t)	48 510	46 790	29 430	28 770	29 510	-39.17	2.57
Rhenium	(kg)	5 770	6 580	6 401	4 367	6 491	12.50	48.64
Selenium	(t)	76	74	66	82	74	-2.63	-9.76
Zinc	(t)	40 000	43 000	0	0	0	-100.00	.
Gold	(kg)	674	878	768	769	442	-34.42	-42.52
Palladium	(kg)	5	4	4	4	5	0.00	25.00
Platinum	(kg)	8	6	5	5	6	-25.00	20.00
Silver	(kg)	1 249 000	1 218 200	1 302 900	1 315 800	1 319 900	5.68	0.31
Bentonite	(t)	500	920	500	0	1 110	122.00	.
Diatomite	(t)	680	810	980	1 170	1 620	138.24	38.46
Feldspar	(t)	42 160	29 440	11 110	15 030	46 930	11.31	212.24
Gypsum	(t)	1 065 000	1 057 000	1 123 000	1 034 000	892 000	-16.24	-13.73
Kaolin	(t)	317 190	292 940	315 040	317 570	276 120	-12.95	-13.05
Magnesite	(t)	91 490	65 250	65 820	66 380	28 630	-68.71	-56.87
Salt	(t)	3 800 000	3 460 000	3 950 000	3 883 000	3 275 000	-13.82	-15.66
Sulfur	(t)	1 210 240	1 011 080	1 058 800	1 046 970	946 350	-21.80	-9.61
Steam Coal	(t)	49 552 170	42 111 970	42 421 560	40 464 610	36 428 460	-26.48	-9.97
Coking Coal	(t)	12 071 220	12 273 960	12 584 820	12 364 750	11 924 180	-1.22	-3.56
Lignite	(t)	50 328 580	45 983 410	52 355 510	54 621 410	40 100 590	-20.32	-26.58
Nat. Gas (Mio m ³)		4 976	4 934	4 860	4 720	4 600	-7.56	-2.54
Petroleum	(t)	936 760	911 430	858 030	816 540	793 880	-15.25	-2.78
Total	(t)	123 886 486	111 630 395	119 056 308	118 830 933	98 821 930		

Portugal

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Tungsten	(t)	518	553	542	448	400	-22.78	-10.71
Copper	(t)	41 553	32 230	39 443	32 098	43 600	4.93	35.83
Lead	(t)	27 852	28 178	29 526	23 347	22 520	-19.14	-3.54
Lithium	(t)	710	280	225	210	380	-46.48	80.95
Tin	(t)	108	104	60	60	48	-55.56	-20.00
Zinc	(t)	161 569	176 849	188 395	182 262	185 670	14.92	1.87
Silver	(kg)	95 270	95 954	97 945	78 412	88 676	-6.92	13.09
Feldspar	(t)	106 754	122 969	145 362	167 673	159 047	48.98	-5.14
Gypsum	(t)	209 076	210 231	254 913	191 753	101 322	-51.54	-47.16
Kaolin	(t)	311 677	320 655	386 623	426 848	427 187	37.06	0.08
Salt	(t)	112 215	97 104	94 778	125 853	139 190	24.04	10.60
Talc	(t)	12 901	9 751	8 277	4 273	5 673	-56.03	32.76
Total	(t)	985 028	999 000	1 148 242	1 154 903	1 085 126		

Abbreviations: see Definitions

Qatar

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	627 400	631 400	634 270	637 975	644 000	2.65	0.94
Sulfur	(t)	2 050 000	1 650 000	2 100 000	3 150 000	3 050 000	48.78	-3.17
Nat. Gas	(Mio m ³)	167 610	166 740	168 240	169 600	171 974	2.60	1.40
Petroleum	(t)	71 536 810	72 698 440	72 435 760	72 664 390	73 753 160	3.10	1.50
Total	(t)	208 302 210	208 371 840	209 762 030	212 132 365	215 026 360		

Romania

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)	9 290	8 450	6 600	5 900	3 250	-65.02	-44.92
Aluminium	(t)	280 326	271 307	293 399	191 454	196 438	-29.93	2.60
Copper	(t)	9 180	9 130	9 240	11 550	9 250	0.76	-19.91
Lead	(t)	520	510	690	300	700	34.62	133.33
Zinc	(t)	1 260	100	2 500	6 970	500	-60.32	-92.83
Gold	(kg)	500	500	500	500	500	0.00	0.00
Silver	(kg)	18 000	18 000	18 000	18 000	18 000	0.00	0.00
Bentonite	(t)	41 964	45 495	54 648	61 165	62 026	47.81	1.41
Feldspar	(t)	20 000	20 000	20 000	20 000	20 000	0.00	0.00
Gypsum	(t)	878 546	925 782	952 617	897 176	841 964	-4.16	-6.15
Kaolin	(t)	6 089	0	0	0	0	-100.00	.
Salt	(t)	2 015 579	1 175 979	1 328 738	1 461 264	1 244 111	-38.28	-14.86
Lignite	(t)	21 652 320	15 030 906	17 733 034	18 200 623	14 745 137	-31.90	-18.99
Nat. Gas	(Mio m ³)	9 959	8 914	8 938	9 060	9 207	-7.55	1.62
Petroleum	(t)	3 568 000	3 457 000	3 319 000	3 131 000	2 986 000	-16.31	-4.63
Total	(t)	36 450 293	28 075 878	30 870 885	31 235 421	27 474 995		

Russia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	65 726 000	65 372 000	59 375 800	56 109 000	53 572 000	-18.49	-4.52
Chromium	(t)	175 000	187 000	167 360	203 200	149 120	-14.79	-26.61
Cobalt	(t)	9 400	9 700	8 000	9 200	8 800	-6.38	-4.35
Manganese	(t)	5 900	28 200	10 700	16 500	21 800	269.49	32.12
Molybdenum	(t)	1 989	1 707	1 691	1 400	1 200	-39.67	-14.29
Nickel	(t)	233 800	237 000	202 100	225 900	211 300	-9.62	-6.46
Niobium	(t)	659	617	648	549	505	-23.37	-8.01
Tantalum	(t)	32	60	39	24	34	6.25	41.67
Titanium	(t)	3 600	3 300	2 900	3 900	3 990	10.83	2.31
Tungsten	(t)	2 433	2 274	2 143	1 846	1 750	-28.07	-5.20
Vanadium	(t)	18 380	19 533	20 058	21 000	20 000	8.81	-4.76

Abbreviations: see Definitions

Aluminium	(t)	3 894 400	3 928 800	3 931 000	4 014 000	4 028 000	3.43	0.35
Antimony	(t)	21 671	17 532	9 750	4 391	32 475	49.85	639.58
Arsenic	(t)	102	500	800	500	500	390.20	0.00
Bauxite	(t)	6 641 000	6 647 000	6 565 000	6 712 000	6 867 700	3.41	2.32
Bismuth	(t)	46	45	45	0	0	-100.00	.
Cadmium	(t)	1 000	976	999	905	902	-9.80	-0.33
Copper	(t)	812 400	924 100	938 800	917 900	916 000	12.75	-0.21
Gallium	(t)	8	5	5	5	6	-25.00	20.00
Germanium	(t)	5	5	5	5	5	0.00	0.00
Indium	(t)	6	11	11	6	6	0.00	0.00
Lead	(t)	207 900	200 700	212 300	229 300	220 000	5.82	-4.06
Lithium	(t)	43	45	46	32	30	-30.23	-6.25
Mercury	(t)	50	30	30	10	30	-40.00	200.00
Rare Earths	(t)	2 620	2 663	2 276	2 038	1 964	-25.04	-3.63
Rhenium	(kg)	1 000	2 000	2 000	2 000	2 000	100.00	0.00
Selenium	(t)	193	195	230	200	250	29.53	25.00
Tellurium	(t)	38	55	60	40	50	31.58	25.00
Tin	(t)	2 471	2 559	3 317	3 507	3 570	44.48	1.80
Zinc	(t)	275 400	260 700	287 900	304 250	320 000	16.19	5.18
Gold	(kg)	305 050	308 560	313 830	302 000	312 800	2.54	3.58
Palladium	(kg)	92 910	81 990	83 640	80 870	83 980	-9.61	3.85
Platinum	(kg)	22 430	21 740	19 840	18 660	20 650	-7.94	10.66
Rhodium	(kg)	2 115	1 800	1 650	1 805	2 180	3.07	20.78
Silver	(kg)	1 533 000	1 457 000	1 517 000	1 567 000	1 550 000	1.11	-1.08
Asbestos	(t)	789 600	707 811	750 000	629 000	598 000	-24.27	-4.93
Baryte	(t)	163 000	265 000	252 000	260 000	220 000	34.97	-15.38
Bentonite	(t)	720 000	720 000	500 000	535 000	537 000	-25.42	0.37
Boron	(t)	81 800	85 500	89 600	88 800	91 500	11.86	3.04
Diam. (Gem)	(ct)	25 804 591	18 711 931	23 470 180	25 154 350	22 390 050	-13.23	-10.99
Diam. (Ind)	(ct)	19 466 621	12 474 620	15 646 790	16 769 560	14 926 700	-23.32	-10.99
Diatomite	(t)	51 000	51 000	176 800	180 000	200 000	292.16	11.11
Feldspar	(t)	281 300	290 000	290 000	300 000	400 000	42.20	33.33
Fluorspar	(t)	4 000	32 000	76 000	76 000	56 000	1 300.00	-26.32
Graphite	(t)	17 500	12 900	17 300	18 800	14 500	-17.14	-22.87
Gypsum	(t)	4 179 300	4 060 000	4 629 000	4 630 000	4 800 000	14.85	3.67
Kaolin	(t)	1 530 800	2 478 000	2 193 800	3 000 000	5 100 000	233.16	70.00
Magnesite	(t)	1 013 800	1 281 400	1 108 700	1 327 100	1 058 400	4.40	-20.25
Perlite	(t)	45 000	45 000	45 000	45 000	65 000	44.44	44.44
Phosphates	(t)	5 382 000	5 382 000	5 517 800	5 597 100	5 632 300	4.65	0.63
Potash	(t)	7 368 000	8 194 200	8 890 000	5 878 000	7 864 000	6.73	33.79
Salt	(t)	8 175 000	6 026 000	8 242 000	8 186 000	7 658 000	-6.32	-6.45
Sulfur	(t)	7 175 000	6 850 000	4 690 900	5 989 439	5 960 000	-16.93	-0.49
Talc	(t)	48 000	104 000	50 000	100 000	0	-100.00	-100.00
Vermiculite	(t)	29 237	28 442	39 804	35 619	35 607	21.79	-0.03
Zircon	(t)	6 300	6 000	6 650	5 600	6 000	-4.76	7.14
Steam Coal	(t)	266 700 000	240 900 000	262 226 600	242 600 000	232 000 000	-13.01	-4.37
Coking Coal	(t)	93 900 000	88 600 000	100 800 000	105 000 000	106 000 000	12.89	0.95
Lignite	(t)	80 800 000	72 600 000	73 620 000	89 400 000	92 000 000	13.86	2.91
Nat. Gas (Mio m³)		718 960	672 400	727 600	648 300	616 200	-14.29	-4.95
Petroleum	(t)	560 256 690	512 761 000	524 050 000	535 000 000	530 600 000	-5.29	-0.82
Uranium	(t)	3 433	3 356	3 107	2 957	3 196	-6.90	8.08
Total	(t)	1 691 927 271	1 567 252 801	1 652 091 021	1 596 308 004	1 560 243 470		

Abbreviations: see Definitions

Russia, Asia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	18 403 300	18 957 900	17 219 000	15 710 500	16 071 600	-12.67	2.30
Cobalt	(t)	8 450	8 700	7 000	7 900	7 800	-7.69	-1.27
Molybdenum	(t)	1 989	1 707	1 691	1 400	1 200	-39.67	-14.29
Nickel	(t)	205 700	210 900	175 800	203 300	190 200	-7.54	-6.44
Tungsten	(t)	2 433	2 274	2 143	1 846	1 750	-28.07	-5.20
Aluminium	(t)	3 752 900	3 788 900	3 797 800	3 880 000	3 902 000	3.97	0.57
Antimony	(t)	21 671	17 532	9 750	4 391	32 475	49.85	639.58
Arsenic	(t)	102	500	800	500	500	390.20	0.00
Bismuth	(t)	46	45	45	0	0	-100.00	.
Cadmium	(t)	1 000	976	999	905	902	-9.80	-0.33
Copper	(t)	649 920	739 280	798 000	789 400	787 800	21.21	-0.20
Germanium	(t)	5	5	5	5	5	0.00	0.00
Indium	(t)	6	11	11	6	6	0.00	0.00
Lead	(t)	207 900	200 700	212 300	229 300	220 000	5.82	-4.06
Lithium	(t)	43	45	46	32	30	-30.23	-6.25
Mercury	(t)	50	30	30	10	30	-40.00	200.00
Selenium	(t)	193	195	230	200	250	29.53	25.00
Tellurium	(t)	38	55	60	40	50	31.58	25.00
Tin	(t)	2 471	2 559	3 317	3 507	3 570	44.48	1.80
Zinc	(t)	242 350	221 600	201 500	258 600	272 000	12.23	5.18
Gold	(kg)	300 750	301 660	306 830	287 000	297 800	-0.98	3.76
Palladium	(kg)	92 910	81 990	83 640	80 870	83 980	-9.61	3.85
Platinum	(kg)	22 430	21 740	19 840	18 660	20 650	-7.94	10.66
Rhodium	(kg)	2 115	1 800	1 650	1 805	2 180	3.07	20.78
Silver	(kg)	1 480 000	1 374 800	1 425 900	1 472 900	1 457 000	-1.55	-1.08
Asbestos	(t)	315 300	287 371	321 000	281 900	234 900	-25.50	-16.67
Baryte	(t)	163 000	265 000	252 000	260 000	220 000	34.97	-15.38
Bentonite	(t)	492 900	500 000	470 000	500 000	502 000	1.85	0.40
Boron	(t)	81 800	85 500	89 600	88 800	91 500	11.86	3.04
Diam. (Gem)	(ct)	19 525 587	16 339 353	17 278 180	19 560 000	19 260 000	-1.36	-1.53
Diam. (Ind)	(ct)	14 729 829	10 892 902	11 518 790	13 040 000	12 840 000	-12.83	-1.53
Feldspar	(t)	281 300	290 000	290 000	300 000	400 000	42.20	33.33
Fluorspar	(t)	4 000	32 000	76 000	76 000	56 000	1 300.00	-26.32
Graphite	(t)	17 500	12 900	17 300	18 800	14 500	-17.14	-22.87
Talc	(t)	38 000	42 000	40 000	57 000	0	-100.00	-100.00
Vermiculite	(t)	29 237	28 442	39 804	35 619	35 607	21.79	-0.03
Steam Coal	(t)	266 700 000	240 900 000	262 226 600	242 600 000	232 000 000	-13.01	-4.37
Coking Coal	(t)	93 900 000	88 600 000	100 800 000	105 000 000	106 000 000	12.89	0.95
Lignite	(t)	72 720 000	65 340 000	66 258 000	80 460 000	82 800 000	13.86	2.91
Nat. Gas (Mio m ³)		683 010	638 800	691 200	622 400	591 600	-13.38	-4.95
Petroleum	(t)	448 205 350	410 208 800	419 240 000	449 400 000	429 786 000	-4.11	-4.36
Uranium	(t)	3 433	3 356	3 107	2 957	3 196	-6.90	8.08
Total	(t)	1 452 862 292	1 341 791 071	1 425 515 782	1 398 094 786	1 346 917 740		

Russia, Europe

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	47 322 700	46 414 100	42 156 800	40 398 500	37 500 400	-20.76	-7.17
Chromium	(t)	175 000	187 000	167 360	203 200	149 120	-14.79	-26.61

Abbreviations: see Definitions

Cobalt	(t)	950	1 000	1 000	1 300	1 000	5.26	-23.08
Manganese	(t)	5 900	28 200	10 700	16 500	21 800	269.49	32.12
Nickel	(t)	28 100	26 100	26 300	22 600	21 100	-24.91	-6.64
Niobium	(t)	659	617	648	549	505	-23.37	-8.01
Tantalum	(t)	32	60	39	24	34	6.25	41.67
Titanium	(t)	3 600	3 300	2 900	3 900	3 990	10.83	2.31
Vanadium	(t)	18 380	19 533	20 058	21 000	20 000	8.81	-4.76
Aluminium	(t)	141 500	139 900	133 200	134 000	126 000	-10.95	-5.97
Bauxite	(t)	6 641 000	6 647 000	6 565 000	6 712 000	6 867 700	3.41	2.32
Copper	(t)	162 480	184 820	140 800	128 500	128 200	-21.10	-0.23
Gallium	(t)	8	5	5	5	6	-25.00	20.00
Rare Earths	(t)	2 620	2 663	2 276	2 038	1 964	-25.04	-3.63
Rhenium	(kg)	1 000	2 000	2 000	2 000	2 000	100.00	0.00
Zinc	(t)	33 050	39 100	86 400	45 650	48 000	45.23	5.15
Gold	(kg)	4 300	6 900	7 000	15 000	15 000	248.84	0.00
Silver	(kg)	53 000	82 200	91 100	94 100	93 000	75.47	-1.17
Asbestos	(t)	474 300	420 440	429 000	347 100	363 100	-23.45	4.61
Bentonite	(t)	227 100	220 000	30 000	35 000	35 000	-84.59	0.00
Diam. (Gem)	(ct)	6 279 004	2 372 578	6 192 000	5 594 350	3 130 050	-50.15	-44.05
Diam. (Ind)	(ct)	4 736 792	1 581 718	4 128 000	3 729 560	2 086 700	-55.95	-44.05
Diatomite	(t)	51 000	51 000	176 800	180 000	200 000	292.16	11.11
Gypsum	(t)	4 179 300	4 060 000	4 629 000	4 630 000	4 800 000	14.85	3.67
Kaolin	(t)	1 530 800	2 478 000	2 193 800	3 000 000	5 100 000	233.16	70.00
Magnesite	(t)	1 013 800	1 281 400	1 108 700	1 327 100	1 058 400	4.40	-20.25
Perlite	(t)	45 000	45 000	45 000	45 000	65 000	44.44	44.44
Phosphates	(t)	5 382 000	5 382 000	5 517 800	5 597 100	5 632 300	4.65	0.63
Potash	(t)	7 368 000	8 194 200	8 890 000	5 878 000	7 864 000	6.73	33.79
Salt	(t)	8 175 000	6 026 000	8 242 000	8 186 000	7 658 000	-6.32	-6.45
Sulfur	(t)	7 175 000	6 850 000	4 690 900	5 989 439	5 960 000	-16.93	-0.49
Talc	(t)	10 000	62 000	10 000	43 000	0	-100.00	-100.00
Zircon	(t)	6 300	6 000	6 650	5 600	6 000	-4.76	7.14
Lignite	(t)	8 080 000	7 260 000	7 362 000	8 940 000	9 200 000	13.86	2.91
Nat. Gas (Mio m³)		35 950	33 600	36 400	25 900	24 600	-31.57	-5.02
Petroleum	(t)	112 051 340	102 552 200	104 810 000	85 600 000	100 814 000	-10.03	17.77
Total	(t)	239 064 979	225 461 730	226 575 238	198 213 218	213 325 730		

Rwanda

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Niobium	(t)	205	160	160	195	310	51.22	58.97
Tantalum	(t)	315	240	245	300	475	50.79	58.33
Tungsten	(t)	1 120	990	1 545	1 610	1 370	22.32	-14.91
Beryllium	(t)	20	20	20	20	20	0.00	0.00
Tin	(t)	2 780	2 030	2 260	3 115	3 210	15.47	3.05
Gold	(kg)	2 000	2 000	2 000	2 000	2 000	0.00	0.00
Total	(t)	4 442	3 442	4 232	5 242	5 387		

Abbreviations: see Definitions

Saudi Arabia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	294 100	275 000	335 200	351 700	350 000	19.01	-0.48
Aluminium	(t)	775 561	796 004	805 057	775 012	701 357	-9.57	-9.50
Bauxite	(t)	5 127 000	5 227 927	5 649 000	5 930 000	5 900 000	15.08	-0.51
Copper	(t)	66 610	75 370	75 180	74 690	70 090	5.22	-6.16
Zinc	(t)	27 270	26 790	22 710	24 660	23 510	-13.79	-4.66
Gold	(kg)	12 418	13 222	11 153	12 268	13 476	8.52	9.85
Silver	(kg)	7 123	7 479	8 604	9 464	9 000	26.35	-4.90
Feldspar	(t)	216 000	523 000	621 000	652 000	650 000	200.93	-0.31
Gypsum	(t)	3 472 000	3 803 000	3 640 000	3 822 000	3 800 000	9.45	-0.58
Kaolin	(t)	227 000	213 000	266 000	279 000	280 000	23.35	0.36
Magnesite	(t)	200 000	250 000	250 000	176 049	90 000	-55.00	-48.88
Phosphates	(t)	2 275 000	2 600 000	2 730 000	2 950 000	3 250 000	42.86	10.17
Salt	(t)	2 778 000	2 220 000	2 231 000	2 342 000	2 400 000	-13.61	2.48
Sulfur	(t)	6 600 000	6 600 000	6 600 000	7 000 000	7 000 000	6.06	0.00
Talc	(t)	48 000	61 000	167 000	175 000	180 000	275.00	2.86
Nat. Gas	(Mio m³)	117 000	119 000	120 485	122 895	123 531	5.58	0.52
Petroleum	(t)	556 564 010	519 613 000	515 878 200	574 692 000	531 963 600	-4.42	-7.44
Total	(t)	672 270 570	637 484 111	635 658 367	697 560 132	655 483 379		

Senegal

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Manganese	(t)	1 880	6 580	4 040	13 370	11 950	535.64	-10.62
Titanium	(t)	281 030	291 740	310 310	284 998	239 960	-14.61	-15.80
Gold	(kg)	14 550	12 408	14 678	15 220	12 864	-11.59	-15.48
Silver	(kg)	898	1 090	1 310	1 325	982	9.35	-25.89
Phosphates	(t)	855 850	684 300	792 800	859 970	940 110	9.85	9.32
Salt	(t)	286 100	290 873	306 347	320 628	272 615	-4.71	-14.97
Zircon	(t)	80 747	83 257	90 760	84 062	73 325	-9.19	-12.77
Nat. Gas	(Mio m³)	15	14	6	4	0	-100.00	-100.00
Petroleum	(t)	28 500	25 280	0	0	0	-100.00	.
Total	(t)	1 546 123	1 393 243	1 509 073	1 566 244	1 537 974		

Serbia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Copper	(t)	43 550	52 207	121 150	203 998	238 909	448.59	17.11
Lead	(t)	9 970	8 420	6 330	6 660	7 220	-27.58	8.41
Selenium	(t)	20	10	4	10	10	-50.00	0.00
Zinc	(t)	7 510	11 480	11 310	9 960	10 380	38.22	4.22

Abbreviations: see Definitions

Gold	(kg)	1 452	1 550	4 794	7 290	6 944	378.24	-4.75
Palladium	(kg)	100	100	140	110	25	-75.00	-77.27
Platinum	(kg)	10	22	30	10	5	-50.00	-50.00
Silver	(kg)	14 502	15 900	11 600	10 900	5 000	-65.52	-54.13
Kaolin	(t)	254 000	234 000	249 000	301 000	275 000	8.27	-8.64
Salt	(t)	13 464	6 703	6 469	5 969	5 311	-60.55	-11.02
Lignite	(t)	38 880 520	39 673 059	36 417 513	35 129 690	31 937 750	-17.86	-9.09
Nat. Gas	(Mio m³)	439	409	362	328	315	-28.25	-3.96
Petroleum	(t)	881 000	859 226	835 319	823 280	829 599	-5.83	0.77
Total	(t)	40 441 250	41 172 323	37 936 712	36 742 985	33 556 191		

Sierra Leone

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	418 950	0	950 300	4 546 760	6 070 960	1 349.09	33.52
Tantalum	(t)	16	29	36	17	22	37.50	29.41
Titanium	(t)	165 180	135 930	149 380	161 250	142 490	-13.74	-11.63
Bauxite	(t)	1 883 863	1 342 139	1 396 678	910 344	1 353 708	-28.14	48.70
Gold	(kg)	75	25	149	185	163	117.33	-11.89
Diam. (Gem)	(ct)	433 054	603 360	541 400	524 880	408 270	-5.72	-22.22
Diam. (Ind)	(ct)	391 403	83 040	297 700	155 550	121 950	-68.84	-21.60
Zircon	(t)	8 500	4 564	39 352	34 065	27 776	226.78	-18.46
Total	(t)	2 476 509	1 482 662	2 535 746	5 652 436	7 594 956		

Slovakia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	174 794	151 875	163 995	71 933	0	-100.00	-100.00
Copper	(t)	17	20	76	30	37	117.65	23.33
Lead	(t)	111	102	101	126	155	39.64	23.02
Zinc	(t)	119	96	25	65	90	-24.37	38.46
Gold	(kg)	346	336	392	399	492	42.20	23.31
Silver	(kg)	295	269	328	354	407	37.97	14.97
Bentonite	(t)	260 120	261 640	274 350	302 135	272 234	4.66	-9.90
Feldspar	(t)	19 100	29 100	10 000	22 900	6 300	-67.02	-72.49
Gypsum	(t)	58 250	72 300	66 600	54 300	60 000	3.00	10.50
Kaolin	(t)	24 970	30 960	38 780	24 610	12 250	-50.94	-50.22
Magnesite	(t)	1 015 800	787 476	781 600	592 900	432 200	-57.45	-27.10
Perlite	(t)	32 450	37 850	37 240	38 280	39 270	21.02	2.59
Talc	(t)	70 100	91 600	99 900	114 600	100 000	42.65	-12.74
Lignite	(t)	1 474 830	986 270	1 080 562	1 065 412	764 854	-48.14	-28.21
Nat. Gas	(Mio m³)	80	70	71	58	51	-36.25	-12.07
Petroleum	(t)	6 331	3 790	6 130	3 680	2 840	-55.14	-22.83
Total	(t)	3 200 992	2 509 079	2 616 159	2 337 371	1 731 030		

Abbreviations: see Definitions

Slovenia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	68 255	50 185	37 867	19 211	1 487	-97.82	-92.26
Bentonite	(t)	99	77	75	68	86	-13.13	26.47
Salt	(t)	1 437	805	1 671	2 342	738	-48.64	-68.49
Lignite	(t)	3 218 696	3 259 309	2 807 476	2 745 022	3 030 494	-5.85	10.40
Nat. Gas	(Mio m³)	8	6	6	5	3	-62.50	-40.00
Petroleum	(t)	490	385	296	127	147	-70.00	15.75
Total	(t)	3 295 377	3 315 561	2 852 185	2 770 770	3 035 352		

Solomon Islands

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nickel	(t)				0	1 050	.	.
Bauxite	(t)	1 234 030	841 890	0	0	0	-100.00	.
Gold	(kg)			0	121	1 788	.	1 377.69
Silver	(kg)			0	25	220	.	780.00
Total	(t)	1 234 030	841 890	0	0	1 052		

South Africa

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	47 064 410	36 163 000	46 707 500	40 777 100	40 440 200	-14.07	-0.83
Chromium	(t)	7 384 000	5 479 400	7 583 150	7 862 000	7 968 350	7.91	1.35
Cobalt	(t)	1 027	897	355	250	378	-63.19	51.20
Manganese	(t)	6 456 400	6 029 368	7 065 750	7 090 400	7 058 600	9.33	-0.45
Nickel	(t)	43 443	34 908	31 848	29 033	29 750	-31.52	2.47
Titanium	(t)	1 064 000	950 000	900 000	1 050 000	1 010 000	-5.08	-3.81
Vanadium	(t)	8 062	8 584	8 799	8 872	8 667	7.50	-2.31
Aluminium	(t)	717 000	717 000	714 000	718 000	716 000	-0.14	-0.28
Copper	(t)	52 501	38 334	51 138	49 194	50 023	-4.72	1.69
Lead	(t)	42 936	28 048	31 224	39 974	40 271	-6.21	0.74
Zinc	(t)	125 157	160 816	193 785	224 356	197 630	57.91	-11.91
Gold	(kg)	105 185	95 781	107 890	89 598	96 626	-8.14	7.84
Palladium	(kg)	80 684	66 264	84 336	73 104	74 918	-7.15	2.48
Platinum	(kg)	132 989	111 993	141 626	124 401	124 870	-6.11	0.38
Rhodium	(kg)	19 545	16 972	20 875	18 687	18 549	-5.10	-0.74
Silver	(kg)	55 903	38 118	37 146	45 724	41 929	-25.00	-8.30
Bentonite	(t)	105 084	85 558	98 606	96 540	77 598	-26.16	-19.62
Diam. (Gem)	(ct)	3 373 210	4 158 000	4 498 200	4 210 400	2 437 800	-27.73	-42.10
Diam. (Ind)	(ct)	3 807 495	4 318 000	5 228 000	5 439 000	3 466 200	-8.96	-36.27
Feldspar	(t)	76 255	48 427	67 113	75 382	142 820	87.29	89.46
Fluorspar	(t)	252 974	330 000	400 000	410 000	452 000	78.67	10.24
Gypsum	(t)	277 102	205 542	277 376	243 008	226 749	-18.17	-6.69

Abbreviations: see Definitions

Kaolin	(t)	27 827	20 639	29 168	10 553	8 690	-68.77	-17.65
Magnesite	(t)	8 100	8 500	5 000	8 000	6 000	-25.93	-25.00
Perlite	(t)	1 000	1 000	1 000	1 000	1 000	0.00	0.00
Phosphates	(t)	639 000	650 600	621 300	714 800	628 000	-1.72	-12.14
Salt	(t)	510 012	538 355	545 942	570 012	615 889	20.76	8.05
Sulfur	(t)	919 624	608 509	105 924	70 640	63 695	-93.07	-9.83
Talc	(t)	135 430	92 318	270 944	438 698	319 775	136.12	-27.11
Vermiculite	(t)	158 013	118 223	150 104	171 898	169 797	7.46	-1.22
Zircon	(t)	368 336	311 800	301 000	307 285	289 479	-21.41	-5.79
Steam Coal	(t)	252 040 300	245 089 400	230 333 900	227 570 100	228 731 000	-9.25	0.51
Coking Coal	(t)	3 722 225	2 057 020	2 840 646	2 350 879	2 880 342	-22.62	22.52
Nat. Gas (Mio m³)		658	554	44	5	5	-99.24	0.00
Petroleum	(t)	29 774	31 974	15 633	4 946	1 044	-96.49	-78.89
Uranium	(t)	163	131	153	188	275	68.71	46.28
Total	(t)	322 756 952	300 251 882	299 386 952	290 897 462	292 138 381		

South Sudan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Petroleum	(t)	8 448 490	8 126 230	7 515 700	6 947 860	7 272 710	-13.92	4.68
Total	(t)	8 448 490	8 126 230	7 515 700	6 947 860	7 272 710		

Spain

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)		0	36 580	0	0	.	.
Tantalum	(t)	18	16	19	19	24	33.33	26.32
Tungsten	(t)	414	238	642	396	711	71.74	79.55
Aluminium	(t)	230 000	200 000	190 000	0	0	-100.00	.
Copper	(t)	170 556	182 678	142 381	128 764	114 786	-32.70	-10.86
Lead	(t)	11 390	11 397	10 965	9 272	10 547	-7.40	13.75
Tin	(t)	101	115	255	315	356	252.48	13.02
Zinc	(t)	90 980	90 368	90 480	82 963	89 219	-1.94	7.54
Gold	(kg)	1 913	1 609	1 822	1 369	1 605	-16.10	17.24
Silver	(kg)	77 501	92 662	80 848	58 235	88 796	14.57	52.48
Bentonite	(t)	160 477	205 773	171 572	186 363	117 550	-26.75	-36.92
Diatomite	(t)	62 741	59 250	55 982	87 095	73 997	17.94	-15.04
Feldspar	(t)	855 139	911 095	820 749	716 535	617 009	-27.85	-13.89
Fluorspar	(t)	145 185	185 958	187 225	153 415	146 975	1.23	-4.20
Gypsum	(t)	11 279 443	13 376 353	14 629 150	14 380 727	14 462 507	28.22	0.57
Kaolin	(t)	463 617	274 137	303 743	277 170	403 105	-13.05	45.44
Magnesite	(t)	634 580	626 055	703 834	676 699	667 248	5.15	-1.40
Potash	(t)	519 644	351 918	375 779	429 896	420 000	-19.18	-2.30

Abbreviations: see Definitions

Salt	(t)	4 330 514	3 676 039	4 329 090	3 987 690	3 269 197	-24.51	-18.02
Sulfur	(t)	663 100	584 300	687 800	641 800	737 700	11.25	14.94
Talc	(t)	13 100	2 920	651	0	0	-100.00	.
Nat. Gas	(Mio m³)	135	47	38	33	26	-80.74	-21.21
Petroleum	(t)	40 244	26 819	5 785	910	606	-98.49	-33.41
Total	(t)	19 779 323	20 803 124	22 773 165	21 786 488	21 152 428		

Sri Lanka

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Titanium	(t)	25 940	11 150	28 775	17 060	31 665	22.07	85.61
Feldspar	(t)	65 400	50 000	60 000	50 000	50 000	-23.55	0.00
Graphite	(t)	3 100	2 500	3 388	3 096	2 998	-3.29	-3.17
Kaolin	(t)	34 100	30 000	30 000	30 000	30 000	-12.02	0.00
Phosphates	(t)	16 600	18 240	23 880	12 360	16 330	-1.63	32.12
Salt	(t)	57 291	60 076	63 254	111 000	60 000	4.73	-45.95
Zircon	(t)	971	419	400	267	556	-42.74	108.24
Total	(t)	203 402	172 385	209 697	223 783	191 549		

Sudan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium	(t)	5 950	4 300	2 700	1 450	2 100	-64.71	44.83
Manganese	(t)	1 000	0	0	0	0	-100.00	.
Gold	(kg)	57 700	35 700	49 700	41 800	23 200	-59.79	-44.50
Silver	(kg)	1 000	1 000	1 000	2 000	1 000	0.00	-50.00
Feldspar	(t)	17 000	25 000	6 400	10 000	10 000	-41.18	0.00
Gypsum	(t)	193 000	173 000	136 000	150 000	150 000	-22.28	0.00
Kaolin	(t)	29 000	19 700	3 700	20 000	20 000	-31.03	0.00
Salt	(t)	263 000	237 000	121 000	200 000	140 000	-46.77	-30.00
Talc	(t)	2 000	0	4 500	4 500	4 500	125.00	0.00
Petroleum	(t)	3 778 300	2 932 600	2 605 000	2 532 000	2 321 000	-38.57	-8.33
Total	(t)	4 289 309	3 391 637	2 879 351	2 917 994	2 647 624		

Suriname

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	24 516	21 214	18 634	19 541	17 853	-27.18	-8.64
Petroleum	(t)	825 200	818 400	811 600	837 500	855 230	3.64	2.12
Total	(t)	825 225	818 421	811 619	837 520	855 248		

Abbreviations: see Definitions

Sweden

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	19 367 200	20 112 200	19 964 200	18 799 000	19 126 500	-1.24	1.74
Aluminium	(t)	120 000	117 000	124 000	120 000	119 000	-0.83	-0.83
Copper	(t)	99 332	100 065	88 108	88 337	73 780	-25.72	-16.48
Lead	(t)	68 635	65 402	65 404	70 339	65 570	-4.47	-6.78
Selenium	(t)	53	69	51	20	20	-62.26	0.00
Tellurium	(t)	41	42	41	33	36	-12.20	9.09
Zinc	(t)	247 657	234 811	236 416	233 958	217 596	-12.14	-6.99
Gold	(kg)	7 972	8 249	8 805	8 054	7 358	-7.70	-8.64
Silver	(kg)	419 926	400 929	428 585	422 086	404 055	-3.78	-4.27
Feldspar	(t)	25 000	27 537	28 000	25 000	25 000	0.00	0.00
Sulfur	(t)	347 990	339 890	375 370	379 200	385 000	10.64	1.53
Total	(t)	20 276 336	20 997 425	20 882 028	19 716 317	20 012 913		

Switzerland

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	330 000	320 000	330 000	330 000	330 000	0.00	0.00
Salt	(t)	477 325	324 527	512 700	422 665	373 183	-21.82	-11.71
Total	(t)	807 325	644 527	842 700	752 665	703 183		

Syria

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	70 000	70 000	200 000	225 000	250 000	257.14	11.11
Phosphates	(t)	134 000	580 000	400 000	250 000	250 000	86.57	0.00
Salt	(t)	50 000	70 000	70 000	112 000	112 000	124.00	0.00
Nat. Gas	(Mio m³)	3 330	2 920	3 110	2 540	2 600	-21.92	2.36
Petroleum	(t)	1 510 590	1 964 180	1 982 680	1 951 220	1 815 890	20.21	-6.94
Total	(t)	4 428 590	5 020 180	5 140 680	4 570 220	4 507 890		

Taiwan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	6	3	1	1	3	-50.00	200.00
Kaolin	(t)	500	404	30	0	45	-91.00	.
Salt	(t)	76 255	77 854	77 297	78 415	111 662	46.43	42.40
Sulfur	(t)	195 358	167 337	192 228	162 571	122 238	-37.43	-24.81
Talc	(t)	6	0	43	0	0	-100.00	.

Abbreviations: see Definitions

Nat. Gas (Mio m ³)	167	105	110	96	91	-45.51	-5.21
Petroleum (t)	3 300	1 860	2 110	1 600	1 400	-57.58	-12.50
Total (t)	409 019	331 455	359 708	319 386	308 145		

Tajikistan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium (t)		100 800	84 000	61 000	62 000	66 649	-33.88	7.50
Antimony (t)		29 900	24 070	24 110	14 500	14 800	-50.50	2.07
Copper (t)		8 500	978	4 480	19 240	4 500	-47.06	-76.61
Lead (t)		52 720	33 282	48 058	47 510	37 809	-28.28	-20.42
Mercury (t)		91	178	311	326	300	229.67	-7.98
Zinc (t)		78 150	48 416	70 573	59 055	45 071	-42.33	-23.68
Gold (kg)		8 100	8 764	9 330	9 225	9 220	13.83	-0.05
Silver (kg)		11 100	11 350	11 500	11 000	12 000	8.11	9.09
Fluorspar (t)		1 000	10 000	10 000	2 000	2 000	100.00	0.00
Gypsum (t)		14 000	8 183	12 500	15 100	15 500	10.71	2.65
Salt (t)		35 324	37 023	26 898	31 111	44 171	25.05	41.98
Steam Coal (t)		2 027 790	2 029 100	2 088 700	2 393 600	2 084 200	2.78	-12.93
Nat. Gas (Mio m ³)		1	1	1	1	0	-100.00	-100.00
Petroleum (t)		23 293	24 400	24 635	24 860	18 000	-22.72	-27.59
Total (t)		2 372 387	2 300 450	2 372 086	2 670 122	2 333 021		

Tanzania

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron (t)		0	14 200	39 100	25 500	33 800	.	32.55
Bauxite (t)		0	25 995	38 142	40 921	61 353	.	49.93
Copper (t)		1 500	1 706	1 521	4 090	3 785	152.33	-7.46
Lithium (t)				0	20	57	.	185.00
Tin (t)		18	35	158	404	316	1 655.56	-21.78
Gold (kg)		48 408	55 805	59 638	56 943	54 760	13.12	-3.83
Silver (kg)		12 550	13 187	9 324	13 602	14 481	15.39	6.46
Diam. (Gem) (ct)		354 240	125 110	53 165	375 715	108 760	-69.30	-71.05
Diam. (Ind) (ct)		62 510	22 080	9 380	66 300	23 875	-61.81	-63.99
Graphite (t)		10 860	2 490	3 230	7 270	13 475	24.08	85.35
Gypsum (t)		256 529	443 926	598 053	604 408	549 836	114.34	-9.03
Kaolin (t)		15 343	98 454	100 950	46 973	75 247	390.43	60.19
Phosphates (t)		5 050	6 240	5 390	5 850	6 980	38.22	19.32
Salt (t)		99 510	83 974	112 995	181 818	159 020	59.80	-12.54
Steam Coal (t)		712 136	689 959	976 319	2 511 419	3 256 481	357.28	29.67
Nat. Gas (Mio m ³)		1 807	1 616	1 838	2 239	2 412	33.48	7.73
Total (t)		2 546 607	2 659 848	3 346 327	5 219 944	6 090 019		

Abbreviations: see Definitions

Thailand

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	10 950	70 210	201 450	117 800	215 320	1 866.39	82.78
Manganese	(t)	2 305	670	0	320	290	-87.42	-9.38
Titanium	(t)	64	84	36	1	0	-100.00	-100.00
Tungsten	(t)	22	57	58	60	32	45.45	-46.67
Tin	(t)	46	198	220	85	30	-34.78	-64.71
Gold	(kg)				0	857	.	.
Silver	(kg)				0	10 417	.	.
Baryte	(t)	33 644	22 394	4 988	6 509	30 685	-8.80	371.42
Diatomite	(t)				0	3 000	.	.
Feldspar	(t)	1 251 143	1 105 344	1 346 997	1 953 918	1 884 301	50.61	-3.56
Fluorspar	(t)	22 247	9 807	9 766	59 243	187 566	743.11	216.60
Gypsum	(t)	9 787 287	9 279 119	10 402 998	9 847 562	8 736 085	-10.74	-11.29
Kaolin	(t)	92 414	87 320	124 798	86 076	169 644	83.57	97.09
Perlite	(t)	15 000	3 500	3 500	2 500	2 500	-83.33	0.00
Salt	(t)	1 580 390	1 439 877	1 563 970	1 737 090	1 392 649	-11.88	-19.83
Talc	(t)	14 564	38 146	31 950	30 369	32 484	123.04	6.96
Lignite	(t)	14 071 710	13 250 574	14 221 573	13 641 283	12 713 628	-9.65	-6.80
Nat. Gas	(Mio m³)	35 879	33 799	33 117	27 367	27 053	-24.60	-1.15
Petroleum	(t)	10 813 080	10 077 510	8 820 540	7 134 630	6 780 010	-37.30	-4.97
Total	(t)	66 398 066	62 424 010	63 226 444	56 511 046	53 790 635		

Togo

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gold	(kg)	8 227	3 565	3 600	3 600	3 600	-56.24	0.00
Diam. (Ind)	(ct)	16	2	0	0	0	-100.00	.
Phosphates	(t)	260 320	488 900	538 860	570 460	561 470	115.68	-1.58
Total	(t)	260 328	488 904	538 864	570 464	561 474		

Trinidad and Tobago

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Nat. Gas	(Mio m³)	35 545	30 230	25 425	26 735	25 715	-27.66	-3.82
Petroleum	(t)	3 869 080	3 600 510	3 652 900	3 524 510	3 236 260	-16.36	-8.18
Total	(t)	32 305 080	27 784 510	23 992 900	24 912 510	23 808 260		

Abbreviations: see Definitions

Tunisia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	100 700	93 400	143 900	133 600	135 000	34.06	1.05
Lead	(t)	300	900	1 500	900	1 000	233.33	11.11
Zinc	(t)	1 500	1 000	1 900	1 400	1 600	6.67	14.29
Baryte	(t)	10 000	10 000	11 100	10 000	10 000	0.00	0.00
Gypsum	(t)	946 892	890 000	908 130	900 000	900 000	-4.95	0.00
Phosphates	(t)	1 124 700	911 800	1 080 700	1 033 300	844 200	-24.94	-18.30
Salt	(t)	1 966 528	1 666 075	1 889 614	1 900 000	1 900 000	-3.38	0.00
Nat. Gas	(Mio m ³)	1 780	1 850	2 240	2 030	1 843	3.54	-9.21
Petroleum	(t)	1 859 060	1 726 250	2 079 000	1 757 000	1 704 000	-8.34	-3.02
Total	(t)	7 433 680	6 779 425	7 907 844	7 360 200	6 970 200		

Türkiye

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	8 828 800	13 087 300	9 791 300	10 799 400	10 227 200	15.84	-5.30
Chromium	(t)	1 528 700	1 087 400	1 227 900	1 142 300	1 152 200	-24.63	0.87
Cobalt	(t)	115	250	290	320	400	247.83	25.00
Manganese	(t)	39 900	35 600	30 300	36 900	35 700	-10.53	-3.25
Nickel	(t)	4 740	20 200	11 650	14 540	18 390	287.97	26.48
Titanium	(t)	6 130	6 455	7 080	6 860	0	-100.00	-100.00
Aluminium	(t)	78 100	79 600	79 200	82 000	82 000	4.99	0.00
Antimony	(t)	3 815	2 570	4 210	10 640	3 816	0.03	-64.14
Bauxite	(t)	2 255 480	2 399 680	2 764 873	3 637 217	2 934 790	30.12	-19.31
Copper	(t)	73 300	107 000	108 100	121 000	127 000	73.26	4.96
Lead	(t)	60 770	70 650	81 170	72 130	69 230	13.92	-4.02
Zinc	(t)	146 800	140 400	180 500	184 800	187 700	27.86	1.57
Gold	(kg)	39 000	42 100	39 290	31 020	36 250	-7.05	16.86
Silver	(kg)	241 590	98 270	162 670	143 260	96 130	-60.21	-32.90
Baryte	(t)	413 811	283 161	256 076	344 322	215 946	-47.82	-37.28
Bentonite	(t)	1 533 547	1 658 837	2 020 356	2 018 993	2 494 366	62.65	23.55
Boron	(t)	2 040 000	1 680 000	2 540 000	2 590 000	1 920 000	-5.88	-25.87
Diatomite	(t)	220 757	100 327	207 732	237 267	154 444	-30.04	-34.91
Feldspar	(t)	9 447 810	10 050 911	12 936 959	15 781 540	9 478 458	0.32	-39.94
Fluorspar	(t)	14 400	19 896	10 348	17 252	32 407	125.05	87.84
Graphite	(t)	9 990	15 205	28 336	27 715	27 974	180.02	0.93
Gypsum	(t)	7 489 129	9 280 864	10 620 061	10 679 212	10 336 796	38.02	-3.21
Kaolin	(t)	1 283 776	1 224 746	1 748 014	2 289 367	1 348 023	5.00	-41.12
Magnesite	(t)	1 496 081	1 560 818	1 927 280	1 820 068	1 333 728	-10.85	-26.72
Perlite	(t)	1 174 486	1 146 341	1 428 695	1 319 432	1 174 125	-0.03	-11.01
Phosphates	(t)	94 600	261 900	287 100	289 000	381 400	303.17	31.97
Salt	(t)	6 961 015	7 698 018	7 843 502	9 085 711	8 587 332	23.36	-5.49
Sulfur	(t)	242 600	117 400	120 600	132 700	140 800	-41.96	6.10
Talc	(t)	92 077	143 470	220 350	43 196	232 927	152.97	439.23
Vermiculite	(t)	1 370	19 230	3 300	21 230	10 500	666.42	-50.54

Abbreviations: see Definitions

Steam Coal	(t)	2 695 628	2 457 720	2 288 148	2 474 890	2 448 755	-9.16	-1.06
Coking Coal	(t)	698 870	617 280	619 565	541 495	470 145	-32.73	-13.18
Lignite	(t)	83 694 600	71 637 000	83 558 680	92 296 100	75 613 340	-9.66	-18.08
Nat. Gas (Mio m³)		483	458	415	408	852	76.40	108.82
Petroleum	(t)	2 984 800	3 202 924	3 441 659	3 583 040	4 094 898	37.19	14.29
Total	(t)	136 002 678	130 579 693	146 725 536	162 027 211	136 016 522		

Turkmenistan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Bentonite	(t)	10 000	10 000	10 000	10 000	10 000	0.00	0.00
Potash	(t)	11 100	16 000	19 000	26 500	260 700	2 248.65	883.77
Salt	(t)	100 000	94 600	96 000	96 480	98 000	-2.00	1.58
Sulfur	(t)	330 000	470 000	590 000	320 000	400 000	21.21	25.00
Nat. Gas (Mio m³)		71 000	67 960	83 773	82 700	80 619	13.55	-2.52
Petroleum	(t)	10 420 000	9 490 000	10 961 000	10 756 800	8 316 700	-20.19	-22.68
Total	(t)	67 671 100	64 448 600	78 694 400	77 369 780	73 580 600		

Uganda

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	0	0	34 300	61 600	216 700	.	251.79
Niobium	(t)	3	52	9	0	0	-100.00	.
Tungsten	(t)	87	7	25	38	20	-77.01	-47.37
Beryllium	(t)	15	186	35	35	0	-100.00	-100.00
Tin	(t)	15	0	7	0	0	-100.00	.
Gold	(kg)	7	10	13	8	4	-42.86	-50.00
Diatomite	(t)	0	96	433	21	0	.	-100.00
Feldspar	(t)		0	95	1 388	555	.	-60.01
Kaolin	(t)	10 448	12 014	10 264	226	8 809	-15.69	3 797.79
Vermiculite	(t)	9 674	14 170	21 754	22 947	23 837	146.40	3.88
Total	(t)	20 242	26 525	66 922	86 255	249 921		

Ukraine

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	47 584 000	49 274 000	52 431 000	19 958 000	19 495 000	-59.03	-2.32
Manganese	(t)	686 100	698 500	652 300	369 600	186 500	-72.82	-49.54
Titanium	(t)	564 050	537 430	489 200	157 300	147 700	-73.81	-6.10
Gallium	(t)	5	4	1	0	0	-100.00	.
Germanium	(t)	1	1	1	0	0	-100.00	.
Bentonite	(t)	124 700	125 000	125 000	50 000	50 000	-59.90	0.00
Feldspar	(t)	60 000	50 000	60 000	30 000	30 000	-50.00	0.00

Abbreviations: see Definitions

Graphite	(t)	10 000	10 000	17 000	846	1 666	-83.34	96.93
Gypsum	(t)	1 409 400	1 529 000	1 783 300	499 448	100 000	-92.90	-79.98
Kaolin	(t)	1 843 561	1 680 891	2 317 723	647 980	550 000	-70.17	-15.12
Salt	(t)	2 092 795	2 075 000	1 900 000	500 000	0	-100.00	-100.00
Sulfur	(t)	220 400	223 500	255 600	150 000	100 000	-54.63	-33.33
Zircon	(t)	18 000	16 000	28 800	14 100	5 000	-72.22	-64.54
Steam Coal	(t)	19 747 200	17 733 500	20 554 900	17 829 600	13 330 000	-32.50	-25.24
Coking Coal	(t)	5 783 200	6 434 800	3 207 000	2 480 000	3 109 000	-46.24	25.36
Nat. Gas (Mio m³)		20 520	20 183	19 757	17 910	18 110	-11.74	1.12
Petroleum	(t)	2 453 600	2 430 800	2 455 400	2 147 600	1 410 000	-42.53	-34.35
Uranium	(t)	944	877	536	142	310	-67.16	118.31
Total	(t)	99 013 956	98 965 703	102 083 361	59 162 616	53 003 176		

United Arab Emirates

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	2 579 000	2 505 000	2 577 680	2 650 000	2 660 000	3.14	0.38
Sulfur	(t)	5 980 000	5 500 000	5 950 000	5 384 000	6 300 000	5.35	17.01
Nat. Gas (Mio m³)		53 720	53 690	53 120	54 185	55 560	3.43	2.54
Petroleum	(t)	179 898 440	165 945 480	163 436 800	181 125 330	176 067 470	-2.13	-2.79
Total	(t)	231 433 440	216 902 480	214 460 480	232 507 330	229 475 470		

United Kingdom

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Aluminium	(t)	39 400	35 700	37 571	31 337	29 246	-25.77	-6.67
Lead	(t)	150	100	100	100	100	-33.33	0.00
Gold	(kg)	50	28	79	266	126	152.00	-52.63
Silver	(kg)	130	100	358	1 328	650	400.00	-51.05
Baryte	(t)	46 000	46 000	30 000	30 000	30 000	-34.78	0.00
Fluorspar	(t)	14 000	15 000	16 674	13 000	8 000	-42.86	-38.46
Gypsum	(t)	1 600 000	1 300 000	2 400 000	2 400 000	2 400 000	50.00	0.00
Kaolin	(t)	644 000	572 000	735 000	788 000	771 994	19.87	-2.03
Potash	(t)	88 480	99 260	110 460	133 420	141 260	59.65	5.88
Salt	(t)	2 377 765	2 327 965	2 687 483	2 645 573	2 715 118	14.19	2.63
Sulfur	(t)	130 000	106 000	107 000	121 000	120 000	-7.69	-0.83
Talc	(t)	3 131	1 386	1 397	2 795	2 000	-36.12	-28.44
Steam Coal	(t)	1 849 060	1 166 420	717 080	457 050	345 860	-81.30	-24.33
Coking Coal	(t)	742 340	506 870	336 740	193 890	160 070	-78.44	-17.44
Nat. Gas (Mio m³)		39 386	39 433	32 570	37 737	34 043	-13.57	-9.79
Petroleum	(t)	52 856 200	49 361 500	41 162 470	38 036 800	33 754 600	-36.14	-11.26
Total	(t)	91 899 326	87 084 601	74 397 975	75 042 566	67 712 649		

Abbreviations: see Definitions

United States

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	29 547 000	24 100 000	30 100 000	24 687 000	28 295 000	-4.24	14.61
Cobalt	(t)	500	600	650	500	500	0.00	0.00
Molybdenum	(t)	43 600	51 100	41 100	34 600	34 000	-22.02	-1.73
Nickel	(t)	13 500	16 700	18 400	17 500	16 400	21.48	-6.29
Titanium	(t)	100 000	100 000	100 000	200 000	100 000	0.00	-50.00
Vanadium	(t)	460	17	0	0	0	-100.00	.
Aluminium	(t)	1 126 032	1 026 617	907 846	872 270	750 000	-33.39	-14.02
Bauxite	(t)	154 900	16 440	0	12 580	48 230	-68.86	283.39
Beryllium	(t)	4 050	4 160	4 380	4 330	4 590	13.33	6.00
Cadmium	(t)	131	211	241	212	375	186.26	76.89
Copper	(t)	1 260 000	1 200 000	1 230 000	1 230 000	1 130 000	-10.32	-8.13
Germanium	(t)	2	2	2	2	2	0.00	0.00
Lead	(t)	266 000	297 000	286 000	264 000	263 000	-1.13	-0.38
Lithium	(t)	1 450	1 220	2 505	1 640	1 325	-8.62	-19.21
Mercury	(t)	15	15	15	15	15	0.00	0.00
Rare Earths	(t)	27 620	38 503	42 413	42 499	41 557	50.46	-2.22
Rhenium	(kg)	8 360	8 830	9 290	8 870	9 410	12.56	6.09
Selenium	(t)	144	66	112	112	100	-30.56	-10.71
Tellurium	(t)	2	2	10	10	10	400.00	0.00
Zinc	(t)	753 000	723 000	704 000	763 000	767 000	1.86	0.52
Gold	(kg)	201 000	193 400	187 000	173 000	170 000	-15.42	-1.73
Palladium	(kg)	14 323	14 555	13 725	10 096	10 251	-28.43	1.54
Platinum	(kg)	4 152	4 203	4 017	3 003	3 038	-26.83	1.17
Rhodium	(kg)	100	100	100	100	100	0.00	0.00
Silver	(kg)	981 000	1 080 000	1 020 000	1 010 000	1 020 000	3.98	0.99
Baryte	(t)	414 000	125 409	257 450	361 582	344 750	-16.73	-4.66
Bentonite	(t)	4 520 000	4 250 000	4 580 000	4 580 000	4 360 000	-3.54	-4.80
Boron	(t)	1 030 000	830 000	900 000	1 160 000	1 200 000	16.50	3.45
Diatomite	(t)	768 000	822 000	998 000	827 000	849 000	10.55	2.66
Feldspar	(t)	450 000	480 000	420 000	430 000	450 000	0.00	4.65
Gypsum	(t)	21 600 000	21 300 000	20 800 000	22 300 000	21 500 000	-0.46	-3.59
Kaolin	(t)	5 120 000	4 640 000	4 360 000	4 340 000	4 560 000	-10.94	5.07
Magnesite	(t)	294 590	419 076	442 976	357 811	523 540	77.72	46.32
Perlite	(t)	629 000	853 000	879 000	672 000	654 000	3.97	-2.68
Phosphates	(t)	6 547 000	6 604 000	6 070 000	5 564 000	5 508 000	-15.87	-1.01
Potash	(t)	510 000	460 000	480 000	430 000	390 000	-23.53	-9.30
Salt	(t)	44 800 000	42 600 000	39 300 000	39 400 000	42 000 000	-6.25	6.60
Sulfur	(t)	8 710 000	7 880 000	8 070 000	8 640 000	8 650 000	-0.69	0.12
Talc	(t)	578 000	491 000	577 000	511 000	508 000	-12.11	-0.59
Vermiculite	(t)	100 000	100 000	100 000	100 000	100 000	0.00	0.00
Zircon	(t)	30 000	30 000	30 000	20 000	20 000	-33.33	0.00
Steam Coal	(t)	521 540 300	394 850 100	429 228 900	439 784 100	426 601 300	-18.20	-3.00
Coking Coal	(t)	64 168 100	50 358 700	56 084 900	55 280 200	59 982 200	-6.52	8.51
Lignite	(t)	48 255 700	44 783 600	42 968 700	43 115 700	37 082 300	-23.15	-13.99
Nat. Gas (Mio m³)		959 920	957 430	977 770	1 026 630	1 070 480	11.52	4.27
Petroleum	(t)	809 941 800	777 010 300	784 368 000	839 163 500	909 154 300	12.25	8.34
Uranium	(t)	79	7	9	88	23	-70.89	-73.86
Total	(t)	2 341 242 183	2 152 408 146	2 216 569 843	2 316 472 456	2 412 274 729		

Abbreviations: see Definitions

Uruguay

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	2 510	1 240	3 310	2 220	910	-63.75	-59.01
Bentonite	(t)	6 730	16 550	19 710	21 574	15 547	131.01	-27.94
Feldspar	(t)	100	210	240	300	800	700.00	166.67
Talc	(t)	50	520	570	1 162	145	190.00	-87.52
Total	(t)	9 390	18 520	23 830	25 256	17 402		

Uzbekistan

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Molybdenum	(t)	800	741	854	785	713	-10.88	-9.17
Tungsten	(t)	100	60	40	27	77	-23.00	185.19
Bismuth	(t)	2	2	2	3	0	-100.00	-100.00
Cadmium	(t)	250	450	470	453	470	88.00	3.75
Copper	(t)	137 300	142 800	148 500	148 520	148 500	8.16	-0.01
Indium	(t)	1	1	1	1	1	0.00	0.00
Lead	(t)	19 100	18 400	30 500	17 200	14 550	-23.82	-15.41
Rhenium	(kg)	800	585	631	650	670	-16.25	3.08
Selenium	(t)	30	40	90	35	35	16.67	0.00
Tellurium	(t)	2	3	5	3	3	50.00	0.00
Zinc	(t)	35 400	37 200	42 000	42 000	41 600	17.51	-0.95
Gold	(kg)	100 900	100 000	100 360	105 540	107 120	6.16	1.50
Palladium	(kg)	28	91	160	93	60	114.29	-35.48
Silver	(kg)	172 000	196 000	211 500	217 725	239 500	39.24	10.00
Bentonite	(t)	32 588	48 739	59 053	60 000	60 000	84.12	0.00
Kaolin	(t)	377 184	373 440	413 910	441 900	580 000	53.77	31.25
Phosphates	(t)	137 100	150 500	158 700	160 100	186 500	36.03	16.49
Potash	(t)	198 400	210 000	197 600	228 000	238 500	20.21	4.61
Sulfur	(t)	511 900	516 600	534 600	541 700	517 000	1.00	-4.56
Steam Coal	(t)	245 168	246 800	258 100	264 800	352 000	43.58	32.93
Lignite	(t)	3 807 600	3 869 375	4 781 193	5 073 900	5 836 000	53.27	15.02
Nat. Gas (Mio m³)		60 712	49 768	53 802	51 678	46 710	-23.06	-9.61
Petroleum	(t)	2 815 400	2 030 400	2 098 040	2 075 026	1 977 700	-29.75	-4.69
Uranium	(t)	4 127	4 127	4 158	4 198	4 304	4.29	2.53
Total	(t)	56 892 326	47 464 375	51 769 729	50 401 376	47 326 301		

Venezuela

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	2 062 800	1 159 000	1 372 500	4 575 000	2 440 000	18.29	-46.67
Aluminium	(t)	10 000	9 996	38 340	8 430	10 000	0.00	18.62
Bauxite	(t)	50 000	0	22 000	770 000	900 000	1 700.00	16.88
Gold	(kg)	9 100	9 000	9 000	9 000	9 000	-1.10	0.00

Abbreviations: see Definitions

Diam. (Gem)	(ct)	0	794	457	1 665	0	.	-100.00
Feldspar	(t)	30 000	30 000	30 000	30 000	30 000	0.00	0.00
Phosphates	(t)	21 500	20 000	20 000	10 000	10 000	-53.49	0.00
Salt	(t)	600 000	500 000	300 000	350 000	650 700	8.45	85.91
Sulfur	(t)	500 000	300 000	300 000	300 000	300 000	-40.00	0.00
Steam Coal	(t)	379 907	683 583	223 660	148 585	150 000	-60.52	0.95
Nat. Gas	(Mio m ³)	25 576	21 561	28 059	29 056	29 683	16.06	2.16
Oil Sands*	(t)	18 000 000	14 900 000	15 000 000	18 000 000	20 000 000	11.11	11.11
Petroleum	(t)	53 437 200	34 631 750	34 450 740	37 511 430	43 727 330	-18.17	16.57
Total	(t)	77 552 216	54 583 138	59 204 449	66 948 254	71 964 439		

*Oil Sands as part of Petroleum

Vietnam

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Iron	(t)	3 663 400	2 136 200	1 850 300	1 084 400	876 700	-76.07	-19.15
Manganese	(t)	106 000	121 100	147 000	155 000	150 000	41.51	-3.23
Nickel	(t)				0	2 100	.	.
Titanium	(t)	112 680	139 760	156 000	156 210	114 500	1.62	-26.70
Tungsten	(t)	4 816	5 970	11 735	10 817	7 900	64.04	-26.97
Antimony	(t)	396	312	268	517	394	-0.51	-23.79
Bauxite	(t)	3 700 000	3 610 000	4 100 000	3 900 000	3 800 000	2.70	-2.56
Bismuth	(t)	917	993	2 067	1 938	1 148	25.19	-40.76
Copper	(t)	29 240	30 780	33 930	34 560	29 040	-0.68	-15.97
Lead	(t)	12 500	14 100	16 350	20 560	15 870	26.96	-22.81
Rare Earths	(t)	300	700	1 000	1 300	1 100	266.67	-15.38
Tin	(t)	6 071	7 229	7 804	8 016	9 079	49.55	13.26
Zinc	(t)	13 000	11 150	10 700	14 420	20 970	61.31	45.42
Gold	(kg)	540	559	664	1 114	962	78.15	-13.64
Silver	(kg)	500	555	670	1 451	1 744	248.80	20.19
Baryte	(t)	43 000	51 500	39 600	42 000	48 500	12.79	15.48
Fluorspar	(t)	238 003	219 920	215 027	217 975	146 007	-38.65	-33.02
Graphite	(t)	3 500	3 700	1 200	500	1 100	-68.57	120.00
Kaolin	(t)	100 000	100 000	100 000	50 000	50 000	-50.00	0.00
Phosphates	(t)	1 346 880	606 650	813 960	711 780	895 020	-33.55	25.74
Salt	(t)	945 000	1 134 600	1 208 100	569 900	648 700	-31.35	13.83
Zircon	(t)	6 600	10 700	30 400	16 500	16 750	153.79	1.52
Steam Coal	(t)	47 158 000	44 598 400	48 315 600	49 688 100	47 258 700	0.21	-4.89
Nat. Gas	(Mio m ³)	10 200	9 160	7 460	8 080	7 468	-26.78	-7.57
Petroleum	(t)	11 043 000	9 650 000	9 100 000	8 980 000	8 628 000	-21.87	-3.92
Total	(t)	76 693 305	69 781 766	72 129 043	72 128 495	68 695 981		

Yemen

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Gypsum	(t)	20 000	20 000	20 000	20 000	20 000	0.00	0.00
Salt	(t)	50 000	50 000	50 000	50 000	50 000	0.00	0.00

Abbreviations: see Definitions

Nat. Gas (Mio m ³)	100	20	20	20	20	-80.00	0.00
Petroleum (t)	3 967 300	3 588 000	3 289 000	2 750 800	1 447 100	-63.52	-47.39
Total (t)	4 117 300	3 674 000	3 375 000	2 836 800	1 533 100		

Zambia

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Cobalt (t)		1 271	316	247	252	207	-83.71	-17.86
Manganese (t)		11 970	20 000	56 860	68 230	73 560	514.54	7.81
Nickel (t)		2 500	2 760	3 672	3 946	7 848	213.92	98.88
Beryllium (t)		7	2	6	7	6	-14.29	-14.29
Copper (t)		796 430	882 061	830 357	795 141	732 583	-8.02	-7.87
Gold (kg)		4 522	3 994	3 987	3 409	2 145	-52.57	-37.08
Sulfur (t)		960 200	917 300	691 900	640 800	576 200	-39.99	-10.08
Steam Coal (t)		361 648	446 153	663 345	823 450	706 115	95.25	-14.25
Total (t)		2 134 031	2 268 596	2 246 391	2 331 829	2 096 521		

Zimbabwe

		2019	2020	2021	2022	2023	Change 19/23	Change 22/23
Chromium (t)		720 330	572 460	644 400	499 400	484 800	-32.70	-2.92
Cobalt (t)		402	956	298	211	386	-3.98	82.94
Nickel (t)		16 918	16 480	16 213	14 260	17 784	5.12	24.71
Tungsten (t)		37	30	8	18	0	-100.00	-100.00
Copper (t)		8 731	7 933	8 650	10 168	14 221	62.88	39.86
Lithium (t)		2 650	860	1 670	3 540	33 900	1 179.25	857.63
Gold (kg)		29 429	20 873	31 477	37 265	32 391	10.06	-13.08
Palladium (kg)		11 640	12 890	12 619	13 935	15 857	36.23	13.79
Platinum (kg)		13 857	15 004	14 732	16 460	19 180	38.41	16.52
Rhodium (kg)		1 224	1 368	1 334	1 461	1 672	36.60	14.44
Silver (kg)		1 500	1 522	2 677	1 545	753	-49.80	-51.26
Diam. (Gem) (ct)		423 840	534 090	844 860	968 800	764 730	80.43	-21.06
Diam. (Ind) (ct)		1 695 350	2 136 370	3 379 440	3 875 220	4 333 480	155.61	11.83
Phosphates (t)		8 100	13 500	11 900	6 600	2 700	-66.67	-59.09
Vermiculite (t)		25 524	26 388	27 713	26 380	28 277	10.79	7.19
Steam Coal (t)		2 428 370	2 328 030	1 716 120	3 125 100	3 826 750	57.59	22.45
Coking Coal (t)		301 550	422 860	1 529 890	1 060 300	1 071 990	255.49	1.10
Total (t)		3 512 670	3 389 549	3 956 926	4 746 048	5 480 879		

Abbreviations: see Definitions

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